

**DRAFT**  
**CONTRACTOR'S CLOSEOUT REPORT**  
**FOR**  
**CONTAMINATED SOIL REMOVAL AT THE FORMER**  
**MONTFORD POINT WATER TOWER SITE**  
**MCB CAMP LEJEUNE**  
**JACKSONVILLE, NORTH CAROLINA**

Prepared for:

**DEPARTMENT OF THE NAVY**  
MCB Camp Lejeune, North Carolina

Prepared by:



**OHM Remediation**  
**Services Corp.**

A Subsidiary of THE IT GROUP

5445 Triangle Parkway, Suite 400  
Norcross, GA 30092

October 1998

OHM Project No. 919668



**OHM Remediation  
Services Corp.**

A Subsidiary of OHM Corporation

October 12, 1998

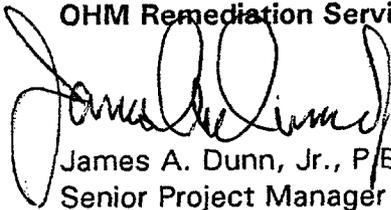
Ms. Kate Landman  
Atlantic Division Code 18232  
Naval Facilities Engineering Command  
1510 Gilbert Street  
Norfolk, VA 23511-2699

Re: Draft Contractor's Closeout Report  
Lead Contaminated Soil Removal  
Montford Point Water Tower  
MCB Camp Lejeune, NC  
Contract N62470-93-D-3032; Delivery Order 0151  
OHM Project No. 19668

Dear Ms. Landman:

Enclosed herewith please find one complete copy of the subject report for your review. As indicated below, copies have been sent to all parties for review. Please forward all comments to my attention at your earliest convenience.

Very truly yours,  
OHM Remediation Services Corp.



James A. Dunn, Jr., P.E.  
Senior Project Manager

Enclosures

Pc: Mick Senus – IRD/EMD w/enclosure  
Brent Rowse – ROICC w/enclosure  
Tom Tribilcock – Baker Environmental w/enclosure  
Randy Smith – OHM w/enclosure  
Dave Lown – NCDEHNR w/enclosure  
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OHM Project File / 19668  
Roland Moreau – OHM w/enclosure

**Contractor's Closeout Report  
For  
Contaminated Soil Removal at the former  
Montford Point Water Tower Site  
MCB Camp Lejeune  
Jacksonville, North Carolina**

DRAFT

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Prepared for:

**DEPARTMENT OF THE NAVY**  
MCB Camp Lejeune, North Carolina

Contract No. N62470-93-D-3032  
Delivery Order 0151

Prepared by:

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**October, 1998**  
Delivery Order No. 0151  
OHM Project No. 919668

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## ***EXECUTIVE SUMMARY***

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From August 1997 to April 1998, OHM Remediation Services Corp. (OHM) performed a removal action for approximately 400 tons of lead contaminated soils at the former Montford Point Water Tower Site, Camp Johnson, Marine Corps Base Camp Lejeune, North Carolina. OHM's project activities involved delineation excavation, stabilization, confirmation sampling, backfilling, and transportation and disposal of the contaminated soil.

A 10 ft. by 10 ft. grid was established at the site and samples were collected from each grid. Samples were analyzed for the contaminants of concern (total lead) and limits of excavation determined by levels of contamination present versus the remedial goals. Areas identified as contaminated were excavated and direct loaded into roll-off containers which were then stored and sampled. Roll-offs exhibiting contamination levels above 5.0 mg/L TCLP lead were stabilized through the addition of the sodium phosphate. Final disposal of the soils was at the MCB Camp Lejeune Base Landfill, a permitted Subtitle D facility.

Confirmation sampling performed upon completion of the excavation activities revealed that soils remaining on-site exhibited concentrations of total lead below the action levels for soil remediation. Site restoration included placement of clean backfill from the Base borrow area and re-vegetation.

## 1.0 INTRODUCTION

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This document is a Final Contractor's Closeout Report for soil remediation activities conducted at the former Montford Point Elevated Water Tower Site, Marine Corps Base Camp Lejeune, North Carolina, and has been prepared in accordance with Specification Section 01010, Paragraph 1.3.1.10. Included is a description of how OHM removed, stabilized, transported, and disposed of lead-contaminated soil at the project site. OHM has completed all activities as required for soil remediation at the former Montford Point Elevated Water Tower Site, at Marine Corps Camp Lejeune, North Carolina, in accordance with the Statement of Work Design Package Specifications dated March 4, 1997.

MCB Camp Lejeune was placed on the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) National Priorities List (NPL) effective October 4, 1989 (54 Federal Register 41015, October 4, 1989). Subsequent to this listing, the United States Environmental Protection Agency (USEPA), Region IV, the North Carolina Department of Environment, Health and Natural Resources (NCDEHNR), and the United States Department of the Navy (DoN) entered into a Federal Facilities Agreement (FFA) for MCB Camp Lejeune. The primary purpose of the FFA was to ensure that environmental impacts associated with past and present activities at MCB Camp Lejeune were thoroughly investigated and appropriate CERCLA response/Resources Conservation and Recovery Act (RCRA) corrective action alternatives were developed and implemented, as necessary, to protect the public health and environment.

MCB Camp Lejeune is a training base for the U.S. Marine Corps, located in Onslow County, North Carolina. The base covers approximately 234 square miles and includes 14 miles of coastline. MCB Camp Lejeune is bounded to the southeast by the Atlantic Ocean, to the northeast by state Route 24, and to the west by U.S. Route 17. The town of Jacksonville, North Carolina is located north of the base. The remedial action area at Montford Point had recently been discovered and identified as a Solid Waste Management Unit (SWMU)/Area of Concern (AOC) within Camp Lejeune.

The Montford Point elevated water tower was located near SM-624 at Camp Lejeune, as shown in *Figure 1*. The Montford Point water tower is reported to have been used to store portable water. In late November, 1996, Rock Environmental Services conducted soil screening at the site. Two samples were taken and analyzed for lead using TCLP protocols. Lead was reported at 21.6 mg/L and 11.4 mg/L respectively, which are above the USEPA characteristic lead limit of 5.0 mg/L. This water tower was demolished in early 1997.

The remedial objective for the soil at the base of the former Montford Point Water Elevated Tower site was to remove and dispose of the lead-contaminated soils which exhibited contaminants of concern exceeding the established remediation goals. The remediation goals for the site were 5 mg/L for TCLP extract for lead in soil, and 270 mg/kg for total lead in soil. This level (270 mg/kg) is protective of ground water and less than the level required for dermal protection (400 mg/kg).

## **2.0 SUMMARY OF ACTION**

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### **2.1 SUMMARY OF REMEDIAL ACTION**

Upon receipt of the Notice to Proceed, preparatory activities for the project such as work plans preparation and review of existing documents began. The work was broken into definable portions for economical and efficient execution. Listed below are the major phases of site work that was performed from September 1997 to April 1998 to fulfill the project specifications.

- Phase I included delineation sampling within the AOC.
- Phase II was the mobilization of all heavy equipment and personnel to the site.
- Phase III consisted of the excavation and loadout of the lead-contaminated soil into 20 cubic-yard roll-off boxes.
- Phase IV consisted of the confirmation analysis from the excavation and the roll-off boxes.
- Phase V consisted of the stabilization of the roll-off boxes that failed TCLP and transportation and disposal to the Camp Lejeune Subtitle D landfill.
- Phase VI involved site restoration, including backfilling and seeding with grass.
- Phase VII was the demobilization of all equipment and personnel from the site.

The following sections provide more detail on specific events and topics of the project that were performed to support the major site work efforts:

### **2.2 SUBMITTALS**

In July 1997, OHM submitted draft work plans for Delivery Order No. 151. The plans consisted of a Remedial Action Work Plan, Construction Quality Control Plan, Transportation and Disposal Plan, Sampling and Analysis Plan, Environmental Protection Plan and a Site-Specific Health and Safety Plan. The plans provided a description of the project objectives, schedule, sampling and analysis requirements, decontamination procedures, site work and excavation procedures, construction requirements and storage, transportation and removal requirements that would be implemented to fulfill the requirements of the project specifications. The plans were reviewed and approved by LANTDIV and final plans incorporating all comments were issued August 14, 1997.

### **2.3 DELINEATION SAMPLING**

On August 20, 1997, OHM laid out a 60' x 60' grid divided into 10' x 10' sections and commenced delineation sampling. A discrete grid sample was collected from each grid starting

at a depth of 0-6" and continuing deeper at 6" intervals until the sample results indicated total lead levels below the action level of 270 mg/kg total lead. The grid system was expanded as the horizontal and vertical extent of contamination grew larger.

Initially the area of concern was expected to be confined to the footprint of the water tower, which had been previously removed by others. During the delineation phase, the horizontal and vertical extent of contamination was found to be larger than anticipated. The contamination extended to a maximum depth of 42" at several grid locations.

*Figure 3A* identifies the final grid system. The grids were sampled using a stainless steel bucket auger. Each sample was collected as a composite from a certain sample depth from the center of the grid. Each sample was then homogenized by the quartering technique using a clean stainless steel bowl and stainless steel spoon. One 4-ounce jar was filled for each sample. A total of 285 samples from 112 grid points were collected and analyzed for total lead. *Table 2.1* which follows summarizes the data from the delineation sampling events which concluded on October 10, 1997.

TABLE 2.1

Delineation Sampling

GRID POINT	SAMPLE NUMBER	SAMPLE DEPTH	RESULT (mg/Kg)	COC NUMBER	DATE SAMPLED	PASSED (Y/N)
1	1	0-6"	170	205653	8/21/97	Y
1	2	6-12"	NA		8/21/97	N/A
2	3	0-6"	54	205653	8/21/97	Y
2	4	6-12"	NA		8/21/97	N/A
3	5	0-6"	2600	205653	8/21/97	N
3	6	6-12"	1000	205693	8/21/97	N
3	112	12-18"	1600	205685	9/3/97	N
3	127	18-24"	630	205698	9/9/97	N
3	128	24-30"	1400	205659	9/9/97	N
3	225	30-36"	870	205671	9/18/97	N
3	226	36-42"	910	205672	9/18/97	N
4	7	0-6"	3300	205653	8/21/97	N
4	8	6-12"	590	205693	8/21/97	N
4	113	12-18"	820	205686	9/3/97	N
4	129	18-24"	370	205698	9/9/97	N
4	130	24-30"	180	205659	9/9/97	Y
5	9	0-6"	800	205653	8/21/97	N
5	10	6-12"	140	205693	8/21/97	Y
6	35	0-6"	510	205654	8/21/97	N
6	36	6-12"	120	205692	8/21/97	Y
7	11	0-6"	200	205653	8/21/97	Y
7	12	6-12"	NA		8/21/97	N/A
8	13	0-6"	160	205653	8/21/97	Y
8	14	6-12"	NA		8/21/97	N/A
9	15	0-6"	740	205653	8/21/97	N
9	16	6-12"	67	205693	8/21/97	Y
10	17	0-6"	370	205653	8/21/97	N
10	18	6-12"	550	205693	8/21/97	N
10	114	12-18"	100	205686	9/3/97	Y
11	19	0-6"	550	205653	8/21/97	N
11	20	6-12"	2000	205693	8/21/97	N
11	115	12-18"	240	205686	9/3/97	Y
12	33	0-6"	300	205654	8/21/97	N
12	34	6-12"	1700	205692	8/21/97	N
12	131	12-18"	1400	205698	9/9/97	N
12	132	18-24"	90	205659	9/9/97	Y
13	21	0-6"	230	205654	8/21/97	Y
13	22	6-12"	NA		8/21/97	N/A
14	23	0-6"	930	205654	8/21/07	N
14	24	6-12"	130	205692	8/21/97	Y
15	25	0-6"	410	205654	8/21/97	N
15	26	6-12"	620	205692	8/21/97	N
15	116	12-18"	560	205686	9/3/97	N
15	133	18-24"	320	205698	9/9/97	N
15	134	24-30"	740	205659	9/9/97	N

15	227	30-36"	300	205671	9/18/97	N
15	228	36-42"	660	205672	9/18/97	N
16	27	0-6"	400	205654	8/21/97	N
16	28	6-12"	850	205692	8/21/97	N
16	117	12-18"	170	205686	9/3/97	Y
17	29	0-6"	220	205654	8/21/97	Y
17	30	6-12"	NA		8/21/97	N/A
18	31	0-6"	1100	205654	8/21/97	N
18	32	6-12"	190	205692	8/21/97	Y
19	37	0-6"	560	205654	8/21/97	N
19	38	6-12"	610	205692	8/21/97	N
19	118	12-18"	130	205686	9/3/97	Y
20	39	0-6"	290	205654	8/21/97	N
20	40	6-12"	190	205692	8/21/97	Y
21	41	0-6"	770	205656	8/21/97	N
21	42	6-12"	480	205657	8/21/97	N
21	119	12-18"	580	205686	9/3/97	N
21	135	18-24"	760	205698	9/9/97	N
21	136	24-30"	490	205659	9/9/97	N
21	229	30-36"	730	205671	9/18/97	N
21	230	36-42"	450	205672	9/18/97	N
22	43	0-6"	280	205656	8/21/97	N
22	44	6-12"	290	205657	8/21/97	N
22	120	12-18"	1400	205686	9/3/97	N
22	137	18-24"	1300	205698	9/9/97	N
22	138	24-30"	250	205659	9/9/97	Y
23	45	0-6"	240	205656	8/21/97	Y
23	46	6-12"	NA		8/21/97	N/A
24	47	0-6"	180	205656	8/21/97	Y
24	48	6-12"	NA		8/21/97	N/A
25	49	0-6"	170	205656	8/21/97	Y
25	50	6-12"	NA		8/21/97	N/A
26	51	0-6"	330	205656	8/21/97	N
26	52	6-12"	140	205657	8/21/97	Y
27	53	0-6"	330	205656	8/21/97	N
27	54	6-12"	280	205657	8/21/97	N
27	121	12-18"	230	205686	9/3/97	Y
28	55	0-6"	320	205656	8/21/97	N
28	56	6-12"	620	205657	8/21/97	N
28	122	12-18"	590	205687	9/3/97	N
28	139	18-24"	520	205698	9/9/97	N
28	140	24-30"	510	205659	9/9/97	N
28	231	30-36"	560	205671	9/18/97	N
28	232	36-42"	45	205672	9/18/97	Y
29	57	0-6"	520	205656	8/21/97	N
29	58	6-12"	850	205657	8/21/97	N
29	123	12-18"	1200	208687	9/3/97	N
29	141	18-24"	220	205698	9/9/97	Y
30	59	0-6"	950	205656	8/21/97	N
30	60	6-12"	560	205657	8/21/97	N
30	124	12-18"	17	205687	9/3/97	Y

31	61	0-6"	240	205694	8/22/97	Y
31	62	6-12"	NA		8/22/97	N/A
32	63	0-6"	300	205694	8/22/97	N
32	64	6-12"	48	205660	8/22/97	Y
33	65	0-6"	670	205694	8/22/97	N
33	66	6-12"	930	205660	8/22/97	N
33	125	12-18"	5.4	205687	9/3/97	Y
34	67	0-6"	330	205694	8/22/97	N
34	68	6-12"	600	205660	8/22/97	N
34	126	12-18"	18	205687	9/3/97	Y
35	69	0-6"	91	205694	8/22/97	Y
35	70	6-12"	NA		8/22/97	N/A
36	71	0-6"	270	205695	8/22/97	Y
36	72	6-12"	NA		8/22/97	N/A
37	73	0-6"	410	205683	8/27/97	N
37	74	6-12"	51	205682	8/27/97	Y
38	75	0-6"	650	205683	8/27/97	N
38	76	6-12"	1900	205682	8/27/97	N
38	143	12-18"	760	205698	9/9/97	N
38	144	18-24"	700	205659	9/9/97	N
38	233	24-30"	420	205671	9/18/97	N
38	234	30-36"	40	205672	9/18/97	Y
39	77	0-6"	2900	205683	8/27/97	N
39	78	6-12"	77	205682	8/27/97	Y
40	79	0-6"	300	205683	8/27/97	N
40	80	6-12"	110	205682	8/27/97	Y
40	241	12-18"	NA		8/27/97	N/A
40	242	18-24"	NA		8/27/97	N/A
41	81	0-6"	620	205683	8/27/97	N
41	82	6-12"	61	205682	8/27/97	Y
42	83	0-6"	220	205683	8/27/97	Y
42	84	6-12"	NA		8/27/97	NA
43	85	0-6"	960	205683	8/27/97	N
43	86	6-12"	140	205682	8/27/97	Y
44	87	0-6"	330	205683	8/27/97	N
44	88	6-12"	27	205682	8/27/97	Y
45	89	0-6"	42	205683	8/27/97	Y
45	90	6-12"	NA		8/27/97	N/A
46	91	0-6"	410	205683	8/27/97	N
46	92	6-12"	140	205682	8/27/97	Y
47	93	0-6"	540	205685	9/2/97	N
47	94	6-12"	120	205688	9/3/97	Y
48	95	0-6"	190	205685	9/3/97	Y
48	96	6-12"	NA		9/3/97	N/A
49	97	0-6"	450	205685	9/3/97	N
49	98	6-12"	91	205688	9/3/97	Y
50	99	0-6"	300	205685	9/3/97	N
50	100	6-12"	290	205688	9/3/97	N
50	197	12-18"	13	205374	9/14/97	Y
50	198	24-30"	NA		9/14/97	N/A
51	101	0-6"	24	205685	9/3/97	Y

51	102	6-12"	NA		9/13/97	N/A
52	103	0-6"	72	205685	9/3/97	Y
52	104	6-12"	NA		9/3/97	N/A
53	105	0-6"	1100	205685	9/3/97	N
53	106	6-12"	47	205688	9/3/97	Y
54	107	0-6"	53	205685	9/3/97	Y
54	108	6-12"	NA		9/3/97	N/A
55	109	0-6"	240	205685	9/3/97	Y
55	110	6-12"	NA		9/3/97	N/A
56	145	0-6"	430	205661	9/9/97	N
56	146	6-12"	310	205658	9/9/97	N
56	239	12-18"	84	205673	9/19/97	Y
56	240	18-24"	NA		9/19/97	N/A
56	260	6-12"	NA		9/19/97	N/A
57	147	0-6"	130	205661	9/9/97	Y
57	148	6-12"	NA		9/9/97	N/A
58	149	0-6"	290	205661	9/9/97	N
58	150	6-12"	140	205658	9/9/97	Y
59	151	0-6"	840	205661	9/9/97	N
59	152	6-12"	28	205658	9/9/97	Y
60	153	0-6"	1000	205661	9/9/97	N
60	154	6-12"	170	205658	9/9/97	Y
61	155	0-6"	510	205661	9/9/97	N
61	156	6-12"	410	205658	9/9/97	N
61	243	12-18"	7.4	205673	9/19/97	Y
61	244	18-24"	NA		9/19/97	N/A
62	157	0-6"	1100	205661	9/9/97	N
62	158	6-12"	390	205658	9/9/97	N
62	247	12-18"	8.8	205673	9/19/97	Y
62	248	18-24"	NA		9/19/97	N/A
63	159	0-6"	270	205661	9/9/97	Y
63	160	6-12"	NA		9/9/97	N/A
64	161	0-6"	1100	205661	9/9/97	N
64	162	6-12"	240	205658	9/9/97	Y
65	163	0-6"	130	205661	9/9/97	Y
65	164	6-12"	NA		9/9/97	N/A
66	165	0-6"	20	205696	9/9/97	Y
66	166	6-12"	NA		9/9/97	N/A
67	167	0-6"	120	205696	9/9/97	Y
67	168	6-12"	NA		9/9/97	N/A
68	169	0-6"	720	205696	9/9/97	N
68	170	6-12"	1600	205695	9/9/97	N
68	249	12-18"	490	205673	9/19/97	N
68	250	18-24"	240	127839	9/19/97	Y
69	171	0-6"	400	205696	9/9/97	N
69	172	6-12"	710	205695	9/9/97	N
69	245	12-18"	720	205673	9/19/97	N
69	246	18-24"	240	127839	9/19/97	Y
70	173	0-6"	1000	205696	9/9/97	N
70	174	6-12"	280	205695	9/9/97	N
70	235	12-18"	15	205671	9/18/97	Y

70	236	18-24"	NA		9/18/97	N/A
71	175	0-6"	180	205696	9/9/97	Y
71	176	6-12"	NA		9/9/97	N/A
72	177	0-6"	700	205375	9/12/97	N
72	178	6-12"	140	205376	9/12/97	Y
73	179	0-6"	290	205375	9/12/97	N
73	180	6-12"	54	205376	9/12/97	Y
74	181	0-6"	800	205375	9/12/97	N
74	182	6-12"	590	205376	9/12/97	N
74	237	12-18"	170	205671	9/18/97	Y
74	238	18-24"	NA		9/18/97	N/A
75	183	0-6"	1000	205375	9/12/97	N
75	184	6-12"	44	205376	9/12/97	Y
76	185	0-6"	260	205375	9/12/97	Y
76	186	6-12"	NA		9/12/97	N/A
77	187	0-6"	820	205374	9/14/97	N
77	188	6-12"	39	205373	9/14/97	Y
78	188	6-12"	NA		9/14/97	N/A
78	189	0-6"	83	205374	9/14/97	Y
79	191	0-6"	110	205374	9/14/97	Y
79	192	6-12"	NA		9/14/97	N/A
80	193	0-6"	290	205374	9/14/97	N
80	194	6-12"	45	205373	9/14/97	Y
81	195	0-6"	1500	205374	9/14/97	N
81	196	6-12"	58	205373	9/14/97	Y
82	199	0-6"	62	205666	9/17/97	Y
82	200	6-12"	NA		9/17/97	N/A
83	201	0-6"	19	205666	9/17/97	Y
83	202	6-12"	NA		9/17/97	N/A
84	203	0-6"	170	205666	9/17/97	Y
84	204	6-12"	NA		9/17/97	N/A
85	205	0-6"	110	205666	9/17/97	Y
85	206	6-12"	NA		9/17/97	N/A
86	207	0-6"	530	205666	9/17/97	N
86	208	6-12"	350	205667	9/17/97	
87	209	0-6"	64	205666	9/17/97	Y
87	210	6-12"	NA		9/17/97	N/A
88	211	0-6"	840	205666	9/17/97	N
88	212	6-12"	28	205667	9/17/97	Y
89	213	0-6"	29	205666	9/17/97	Y
89	214	6-12"	NA		9/17/97	N/A
90	215	0-6"	150	205666	9/17/97	Y
90	216	6-12"	NA		9/17/97	N/A
91	217	0-6"	61	205666	9/17/97	Y
91	218	6-12"	NA		9/17/97	N/A
92	219	0-6"	66	205669	9/17/97	Y
92	220	6-12"	NA		9/17/97	N/A
93	221	0-6"	550	205669	9/17/97	N
93	222	6-12"	270	205670	9/17/97	Y
94	251	0-6"	240	205673	9/19/97	Y
94	252	6-12"	NA		9/19/97	N/A

95	253	0-6"	680	205673	9/19/97	N
95	254	6-12"	21	205673	9/19/97	Y
96	257	0-6"	58	127840	9/19/97	Y
96	258	6-12"	NA		9/19/97	N/A
97	255	0-6"	220	205673	9/19/97	Y
97	256	6-12"	NA		9/19/97	N/A
98	261	0-6"	170	127840	9/19/97	Y
98	262	6-12"	NA		9/19/97	N/A
99	259	0-6"	2200	127840	9/19/97	N
99	260	6-12"	160	127869	9/19/97	Y
100	263	0-6"	1700	127840	9/19/97	N
100	264	6-12"	55	127869	9/19/97	Y
101	267	0-6"	230	127870	9/22/97	Y
101	268	6-12"	NA		9/22/97	N/A
102	265	0-6"	72	127870	9/22/97	Y
102	266	6-12"	NA		9/22/97	N/A
103	266A	0-6"	210	127841	9/24/97	Y
103	267A	6-12"	NA		9/24/97	N/A
104	268A	0-6"	380	127841	9/24/97	N
104	269	6-12"			9/24/97	N/A
105	270	0-6"	210	127841	9/24/97	Y
105	271	6-12"	NA		9/24/97	N/A
106	272	0-6"	220	127841	9/24/97	Y
106	273	6-12"	NA		9/24/97	N/A
107	274	0-6"	64	127841	9/24/97	Y
107	275	6-12"	NA		9/24/97	N/A
108	276	0-6"	180	127841	9/24/97	Y
108	277	6-12"	NA		9/24/97	N/A
109	278	0-6"	88	127841	9/24/97	Y
109	279	6-12"	NA		9/24/97	N/A
110	280	0-6"	59	127841	9/24/97	Y
110	281	6-12"	NA		9/24/97	N/A
110	282D	6-12"	NA		9/24/97	N/A
111	284	0-6"	110	127841	9/24/97	Y
111	283	6-12"	NA		9/24/97	N/A
112	285	0-6"	1.6	206845	10/1/97	Y

## 2.4 MOBILIZATION AND SITE PREPARATION

On March 17, 1998, OHM commenced mobilization and site preparation activities. During this phase of the field work, the following tasks were performed:

- OHM re-established the site grid lay-out which had been utilized for delineation sampling and marked the areas to be excavated
- A locator service marked the locations of all underground utilities
- Silt fencing was placed on the down gradient sides of the excavation areas
- A delineation area was established for both equipment and personnel
- Baseline air monitoring measurements were performed

## 2.5 CLEARING AND GRUBBING

Based upon the delineation sampling results, only minimal clearing was required to enable excavation of the contaminated soils. Vegetative matter that was removed was properly disposed.

## 2.6 EXCAVATION AND CONFIRMATION SAMPLING

A tracked excavator equipped with a ½ cubic yard bucket was used to excavate the soil. Figure 3 shows the grid designations. Excavation depths were manually checked with a tape measure to avoid over or under excavation. Figure 3B shows final excavation depths. The excavated materials were direct loaded into 20 cubic yard roll-off boxes. The filled boxes were then staged along the berm of the adjacent access roadway. A rail truck was used to transfer the filled boxes to the berm of access roadway. A total of 26 boxes were loaded with approximately 512 cubic yards of contaminated soils and staged along the berm of the access road.

Confirmation samples were collected from the excavation at the rate of one sample per fifty (50) linear feet of sidewall and one sample per 500 square feet of area from the excavation floor in accordance with the Sampling and Analysis plan. Figures 3D and 3C show the locations of the floor and sidewall sampling areas. These samples were collected with stainless steel spoons and stainless steel hand auger buckets. Table 2.2 summarizes these results. During this process, if a confirmation sample surpassed the clean-up criteria (270 mg/kg), then additional soil was removed and another confirmation sample was collected. This process continued until the clean-up goal was attained.

TABLE 2.2

SUMMARY OF CONFIRMATION ANALYSIS

DATE	SAMPLE ID	DESCRIPTION	RESULT (mg/kg)
3/20/98	CL151300	Wall Composite Grid 94, 81, 70, 49, 38	98
3/20/98	CL151301	Wall Composite 47, 58, 73	42
3/20/98	CL151302	Floor Composite 105, 104, 94, 81, 74	43
3/20/98	CL151303	Wall Composite 58, 47, 56, 72	350
3/27/98	CL151350	Wall Composite 58, 47, 56, 72	<5
3/20/98	CL151304	Floor Composite 88, 99, 70, 59, 75	91
3/20/98	CL151305	Floor Composite 73, 58, 47, 72, 56, 100	32
3/20/98	CL151306	Floor Composite 37, 38, 49, 50, 60	30
3/20/98	CL151307	Floor Composite 39, 40, 61, 77, 95	150
3/20/98	CL151308	Floor Composite 39, 40, 61, 77, 95	98
3/20/98	CL151309	Wall Composite 99, 88, 74	130
3/20/98	CL151310	Wall Composite 95, 77, 60, 75	180
3/20/98	CL151311	Wall Composite 95, 77, 60, 75	130
3/20/98	CL151314	Floor Composite 3, 4, 5, 6, 41	290
3/27/98	CL151351	Floor Composite 3, 4, 5, 6, 41	19
3/23/98	CL151317	Wall Composite 12, 41, 77, 95	85
3/23/98	CL151318	Wall Composite 12, 41, 77, 95	110
3/23/98	CL151319	Floor Composite 9, 10, 11, 12, 18	660
3/23/98	CL151320	Floor Composite 9, 10, 11, 12, 18	350
3/30/98	CL151357	Floor Composite 9, 10, 11, 12, 18	6.1
3/24/98	CL151323	Wall Composite 100, 97, 80	14
3/24/98	CL151328	Wall Composite 44, 34, 29	57
3/24/98	CL151329	Wall Composite 30, 43, 53, 64	8.4
3/24/98	CL151330	Wall Composite 64, 53, 62, 18	19
3/24/98	CL151331	Floor Composite 62, 30, 43, 53, 64	<5
3/24/98	CL151332	Floor Composite 29, 32, 33, 34, 44	430
3/30/98	CL151359	Floor Composite 29, 32, 33, 34, 44	<5
3/25/98	CL151335	Wall Composite 80, 46, 68	<5
3/25/98	CL151336	Wall Composite 19, 26, 32, 33	19
3/25/98	CL151337	Wall Composite 1, 7, 13	70
3/25/98	CL151338	Wall Composite 8, 2, 1	91
3/25/98	CL151339	Wall Composite 17, 23, 24	280
3/30/98	CL151361	Wall Composite 17, 23, 24	<5
3/25/98	CL151340	Wall Composite 24, 17	24
3/25/98	CL151341	Floor Composite 14, 15, 16, 19, 20	450
3/30/98	CL151358	Floor Composite 14, 15, 16, 19, 20	<5
3/25/98	CL151342	Floor Composite 21, 22, 26, 27, 28	180
3/25/98	CL151343	Floor Composite 97, 93, 80, 69, 46, 68	310
3/30/98	CL151360	Floor Composite 97, 93, 80, 69, 46, 68	<5

## 2.7 SOIL TREATMENT AND DISPOSAL

Representative composite samples were obtained from each roll-off box of lead-contaminated soil. The samples were analyzed for TCLP lead per the SAP. When lead levels exceeded the characteristic threshold of 5.0 mg/l, the soils were chemically stabilized on-site prior to land disposal.

Trisodium phosphate at a concentration of 2.5% by weight was added to each roll-off container (total of 3) of excavated soil exhibiting greater than 5.0 mg/l leacheable lead to stabilize the lead in the soil. The soil was thoroughly mixed with the trisodium phosphate material in the roll-off containers using the backhoe bucket. A second composite sample was collected from the stabilized soil and sent off-site for analyses as indicated in the Sampling and Analyses Plan. Table 2.3 contains a summary of the results of the analyses.

**TABLE 2.3**

**SUMMARY OF ROLL-OFF BOX ANALYSIS**

<b>DATE</b>	<b>ROLL-OFF BOX #</b>	<b>RESULT (mg/kg)</b>
3/18/98	#1	<1.0
3/18/98	#2	2.5
3/18/98	#3	1.1
3/18/98	#4	<1.0
3/18/98	#5	<1.0
3/18/98	#6	<1.0
3/19/98	#7	<1
3/20/98	#8	<1
3/20/98	#9	1.1
3/20/98	#10	1.9
3/20/98	#11	36
3/27/98	#11 Retest	1.8
3/20/98	#12	4.3
3/20/98	#13	6.5
3/28/98	#13 Retest	<1
3/23/98	#14	2.5
3/23/98	#15	14
3/24/98	#16	14
3/24/98	#17	<1
3/24/98	#18	4.7
3/24/98	#19	<1
3/25/98	#20	4.2
3/25/98	#21	<1
3/25/98	#22	7.0
3/30/98	#22 Retest	<1
3/27/98	#23	<1
3/30/98	#24	3.7
4/3/98	#25	<1
4/3/98	#26	<1

**2.8 BACKFILLING AND REVEGETATION**

Upon completion of field construction activities, disturbed areas were backfilled with “clean” stockpiled material and soils from offsite borrow sources and seeded with grass in accordance with the specifications. The backfill was compacted utilizing the heavy equipment on-site. Once the areas were brought to the approximate original grade the area was prepared for grassing. Fertilizer was applied to the seeded areas to enhance growth. The final topographic contours of the site match the original contours. Photographic documentation of the performance of the project activities can be found in Appendix B.

### **3.0 FINAL HEALTH AND SAFETY REPORT**

---

The site set-up for the field activities at the Montford Point Water Tower, Camp Lejeune, North Carolina, included the following:

- Placement of port-a-johns in predesignated locations in accordance with OSHA regulations
- Prior to the start of on-site operations, all on-site OHM personnel read, understood and signed the OHM Site-Specific Health and Safety Plan (HASP) and in accordance with OSHA requirements, the following items were set-up on-site:
  - An employee Right to Know poster and station
  - Material Safety Data Sheets (MSDSs) for all on-site chemicals
  - A hospital route and map was posted in the command center and a copy placed in the glove compartments of all site vehicles
  - The site-specific evacuation plan was posted in the command center
  - Exit signs were posted in the command center

### **3.1 ON-SITE OPERATIONS**

The remediation of lead contaminated soil under Delivery Order No. 151 at Camp Lejeune, North Carolina, included:

- Excavation, screening, and stockpiling of lead contaminated soil and "clean" soils;
- Confirmation sampling of the base and the sidewalls of open excavations;
- Loadout transportation and disposal of lead contaminated soils; and
- Backfill and site restoration

Prior to excavation of the contaminated soil, all utility companies were notified to locate their lines, if any, in the area. Water was made readily available on-site for dust control measures. This excavation task required protective clothing including MSA full-face air purifying respirators with attached MSA GMC-H type cartridges, tyvek, and hood, hard hat, safety, safety glasses, steel-toed safety shoes and vinyl booties. Issues stressed during work activities included good housekeeping, heat stress, a communication system for site personnel, and shoring and trenching requirements.

Confirmation sampling of soils was accomplished using a stainless steel auger. The contents of the auger were dumped into a stainless steel bowl and any mixing was accomplished with a

stainless steel spoon. Protective clothing required for this task included MSA air purifying respirator with attached MSA GMC-H type cartridges, tyvek and hood, sample gloves, hard hat, steel toe shoes, and vinyl booties. Safety issues stressed during work activities included good housekeeping and heat stress.

Backfill operations and hydroseeding were performed to restore the site. This task required protective clothing including hard hat, safety glasses, steel toe boots and cotton gloves. Safety issues stressed during work activities included good housekeeping, heat stress, and communication system for site personnel.

### **3.2 AIR MONITORING**

Air monitoring of the breathing zone was performed continuously during the excavation and loading of the waste. A photoionization detector (PID) was used to identify the VOCs and a Mini-Ram was used to identify air borne particulates. As outlined in the HASP air monitoring readings and calibration data for the instruments were recorded and documented. The results indicate that no concentrations of dust or VOCs above background levels were identified in workers breathing zone during the excavation and loading or the sampling activities. No upgrades of protection were necessary during the course of the project.

### **3.3 TRAINING REQUIREMENTS**

OHM employees, subcontractors and site visitors allowed access to work areas were required to have completed the 40-hour health and safety training course for Hazardous Waste Site Operations in accordance with 29 CFR 1910.120 and had to read, understand and sign the HASP.

### **3.4 ACCIDENTS AND/OR INJURIES**

The project was completed without an OSHA Reportable Accident or Lost Time Injury.

#### ***4.0 OFF-SITE DISPOSAL OF MATERIAL***

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A tabular summary of the record documents submitted to the Navy Technical Representative for Delivery Order 151 is on included in the submittal register which follows. Documentation associated with quality control and its frequency of submission are located in Section 9.0.

TABLE 4.1

MONTFORD POINT WATER TOWER SITE  
MCB CAMP LEJEUNE - DO 0151

Spec. No.	SD No. and Type of Submittal Material Or Product	Spec. Para. No.	Approval By CO	Gov. or A/E Reviewer	Trans Control No.	Planned Sub. Date	Action Code	Date of Action	Date Forwarded to Appr. Auth./Date Received from Contr.	Date Forwarded to Other Reviewer	Date Received from Other Reviewer	Action Code	Date of Action	Mailed to Contr./Recd From Appr. Auth	Remarks
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
01010	Work Plan	1.2.1				7/25/97	8/14/98								
01010	As-built records	3.6.1				CR									
01010	As-built record of Material	3.6.2				CR									
01010	Site Health and Safety Plan	3.6.3				WP		8/14/97							
01010	Environmental Protection Plan	3.6.4				WP		8/14/98							
01010	MIS Reports	3.6.6				WP		8/14/97							
01010	CQC Plan Addenda	3.6.7				WP		8/14/97							
01010	Testing Laboratory Qualifications	3.6.8				WP		8/14/98							
01010	CQC Meeting minutes	3.6.9				As Received									
01010	Non-compliance Check-Off List	3.6.10				Monthly									
01010	Test Results Summary Report	3.6.11				As Received/CR									
01010	Daily Report to Inspector (DRI)	3.6.12				Daily									
01010	CQC Report	3.6.13				CR									
01010	Submittal Status Log	3.6.14				Monthly									
01010	Permits	3.6.15				CR									

## **5.0 FIELD CHANGES AND CONTRACT MODIFICATIONS**

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### **5.1 FIELD CHANGES**

During field operations, bi-weekly quality control (QC) meetings were held with the Navy Technical Representative (NTR). During these meetings, items of concern and project status were discussed. Also during the QC meetings, field changes were discussed and implemented when conditions dictated. The following is a summary of changes agreed to by OHM and the Navy with a brief explanation:

- Protection level of sampling personnel  
The protection level of sampling personnel was changed from Level C to Modified Level d on continuous air monitoring in accordance with the instructions of the Health and Safety Officer.
- Compaction Testing of Backfill  
The NTR instructed OHM to compact soil in-place with the equipment on-site and not to perform *in situ* compaction control of the fill material.
- Contractor Production Reports  
The Contractor Production Report requirement was waived by the NTR and replaced by daily cost reports with narrative.
- Weekly Health and Safety Summary  
OHM submitted a weekly Health and Safety Summary Report for on-site operations.

### **5.2 CONTRACT MODIFICATIONS**

During the course of the project, one contract modification was made to D.O. 151.

- Modification 03 - \$62,700 – Issued 9/30/97  
Perform additional soil remediation at the Montford Point Water Tower Site per September 19, 1997 OHM revised proposal.

## 6.0 **TRANSPORTATION AND DISPOSAL**

All Lead contaminated material that was excavated at the site and destined for disposal was transported by licensed haulers and disposed at the Base Landfill, a permitted Subtitle D facility. A total of 396.74 tons of lead contaminated soil was disposed.

Prior to leaving the site, all trucks were brushed to remove soil and debris from the vehicles tires and bed, the manifests were signed by Base personnel, and the trucks released for travel to the disposal facility. All trucks were weighed by the disposal facility upon arrival. After unloading, the trucks were re-weighed to establish their Tare weight. Table 6.1 summarizes disposal activity including the ticket number, date, quantity in tons, and quantity in yards. Copies of the delivery tickets are included in this report as Appendix C.

TABLE 6.1

**TRANSPORTATION AND DISPOSAL LOG**  
**DISPOSAL FACILITY: CAMP LEJEUNE LANDFILL**

DATE	TRANSPORTER	TICKET #	TONS	CUBIC YARDS
4/3/98	Waste Industries	4748	17.60	22.70
4/3/98	Waste Industries	4774	15.90	20.51
4/3/98	Waste Industries	4783	9.55	12.32
4/6/98	Waste Industries	4822	20.06	25.88
4/6/98	Waste Industries	4853	12.12	15.65
4/6/98	Waste Industries	4854	9.77	12.60
4/6/98	Waste Industries	4871	12.00	15.48
4/6/98	Waste Industries	4887	9.07	11.70
4/7/98	Waste Industries	4896	10.12	13.05
4/7/98	Waste Industries	4917	15.38	19.84
4/7/98	Waste Industries	4933	17.18	22.16
4/7/98	Waste Industries	4950	19.58	25.26
4/7/98	Waste Industries	4976	23.19	29.92
4/8/98	Waste Industries	4999	16.69	21.53
4/8/98	Waste Industries	5015	18.01	23.25
4/8/98	Waste Industries	5029	15.74	20.30
4/8/98	Waste Industries	5040	13.29	17.14
4/8/98	Waste Industries	5051	17.99	23.21
4/8/98	Waste Industries	5056	21.70	27.99
4/8/98	Waste Industries	5074	17.88	23.07
4/10/98	Waste Industries	5151	14.16	18.27
4/10/98	Waste Industries	5156	13.31	17.17
4/10/98	Waste Industries	5157	15.37	19.83
4/10/98	Waste Industries	5158	11.63	15.00
4/13/98	Waste Industries	5205	14.78	19.07
4/13/98	Waste Industries	5212	14.67	18.92

## **7.0 SITE RESTORATION AND DEMOBILIZATION**

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Upon completion of field construction activities, disturbed areas were backfilled with "clean" soils from an off-site source and seeded with grass. The backfill was compacted utilizing the heavy equipment on-site to the approximate original grade. Areas to be seeded were fertilized to enhance seed growth and then seeded. Photographic documentation of the performance of the project activities can be found in Appendix B.

## 8.0 QUALITY CONTROL SUMMARY

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The Quality Control (QC) Engineer conducted preparatory and initial site inspections during a site visit. This offered the QC Engineer an opportunity to review the completeness and adequacy of mobilization activities, to observe health and safety practices, to evaluate excavation operations, and to check sampling and analysis documentation. Follow-up inspections were completed after my modifications were approved.

Inspections were performed in accordance with the requirements of the contract (Section 6.11) as supplemented by the Delivery Order Quality Control Plan. Inspection results were documented and submitted on Contractor QC Report Forms. A weekly QC meeting was conducted and the minutes recorded and submitted with the inspection report to the ROICC by the Site Supervisor. All QC documentation is located in Appendix F.

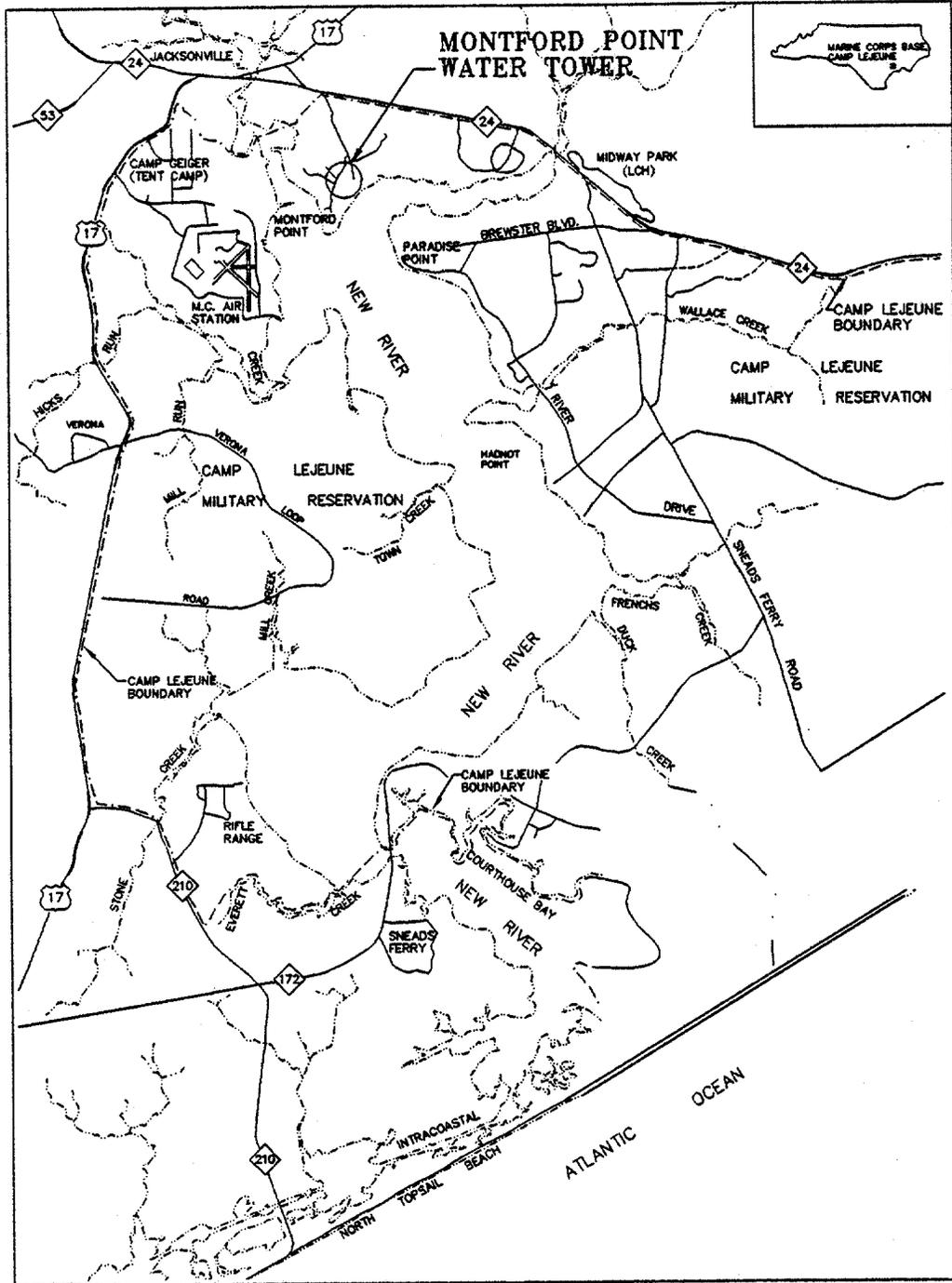
Additional submittals forwarded to the ROICC and their frequency of submission were as follows:

Daily:	Sign-in Log Health and Safety Report Daily Cost Report
Monthly:	Progress Report
As Generated	Field Sampling Test Results Confirmation Sample Test Results

APPENDIX A

As-Built Drawings

# REMEDIATION OF LEAD CONTAMINATED SOIL MONTFORD POINT WATER TOWER MARINE CORPS BASE, CAMP LEJEUNE NORTH CAROLINA



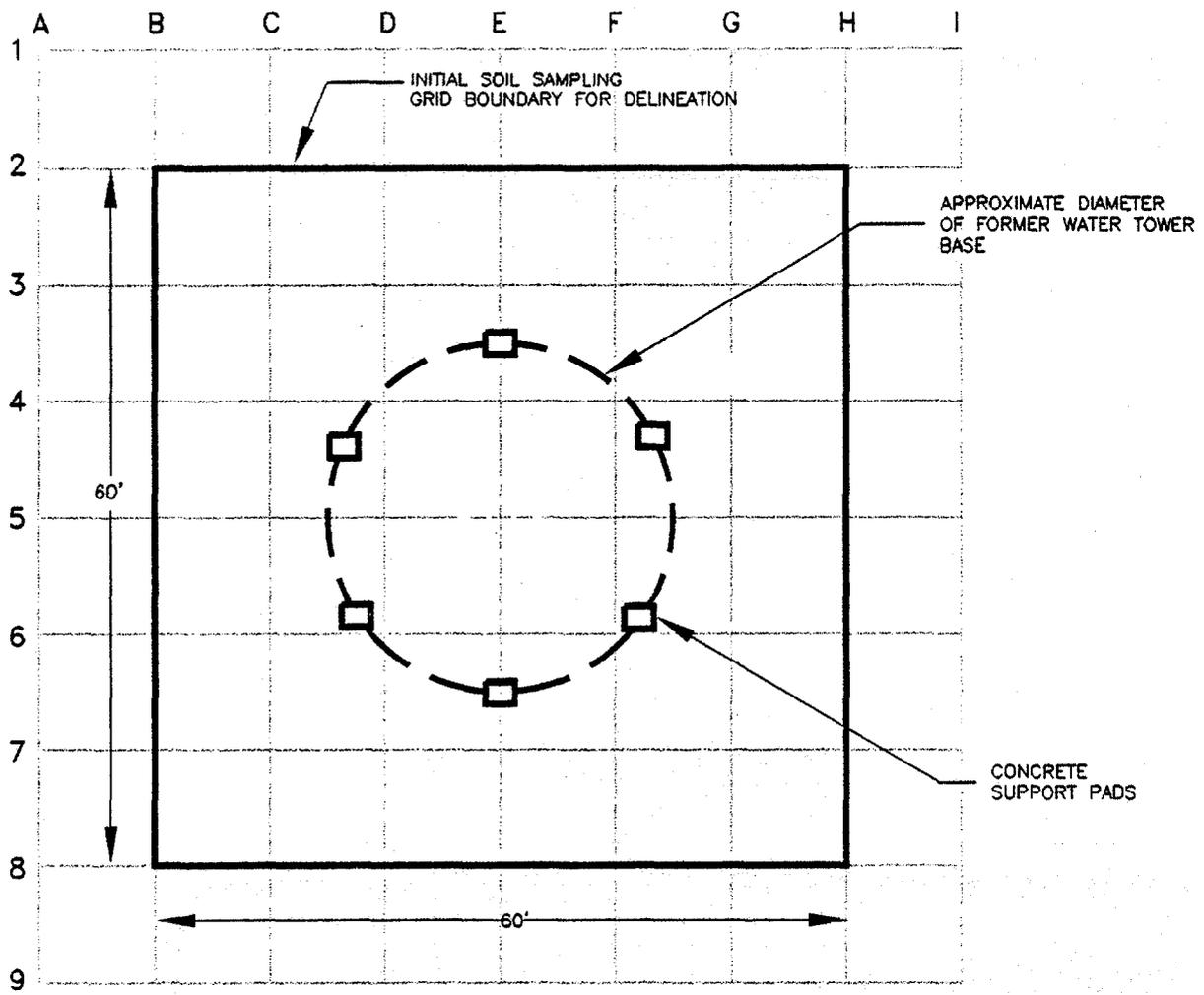
**VICINITY MAP**



**OHM Remediation  
Services Corp.**  
NORCROSS, GEORGIA  
A SUBSIDIARY OF O-H CORPORATION

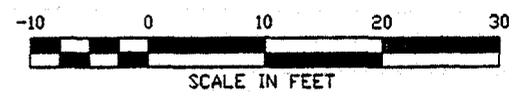
DRAWN BY	J. COLLINS	7/25/97
CHECKED BY	G. GILLES	7/25/97
APPROVED BY	J. DUNN	7/25/97
REV.	SHEET #	PROJECT NO.
0	-	19668

**FIGURE 1**  
**VICINITY MAP**  
**MONTFORD POINT WATER TOWER**  
**REMEDIATION OF LEAD**  
**CONTAMINATED SOIL**



**NOTES:**

1. UPON CLEARANCE OF UTILITY CONFLICTS, CONSTRUCT DECONTAMINATION PAD AND LAYOUT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD ADJUST THE SIZE SHAPE AND DESIGN OF THE NECESSARY DECONTAMINATION AND LAYDOWN AREAS WITHIN THE AREAL EXTENT DESIGNATE TO ACCOMMODATE THIS WORK.
2. CLEAR AND GRUB AS REQUIRED. INSTALL THE NECESSARY SEDIMENT AND EROSION CONTROL FACILITIES TO ACCOMMODATE THE SCOPE OF THIS WORK.
3. PROVIDE SAFETY FENCING IN ACCORDANCE WITH THE SPECIFICATIONS.
4. COLLECT SOIL SAMPLES AT GRID POINTS SHOWN ON THIS FIGURE AS INDICATED IN THE SAMPLING AND ANALYSIS PLAN.
5. EXCAVATE THE LEAD CONTAMINATED SURFACE SOIL TO THE HORIZONTAL LIMITS AS DEFINED IN THE SAP.
6. GRID SIZE IS 10' X 10'

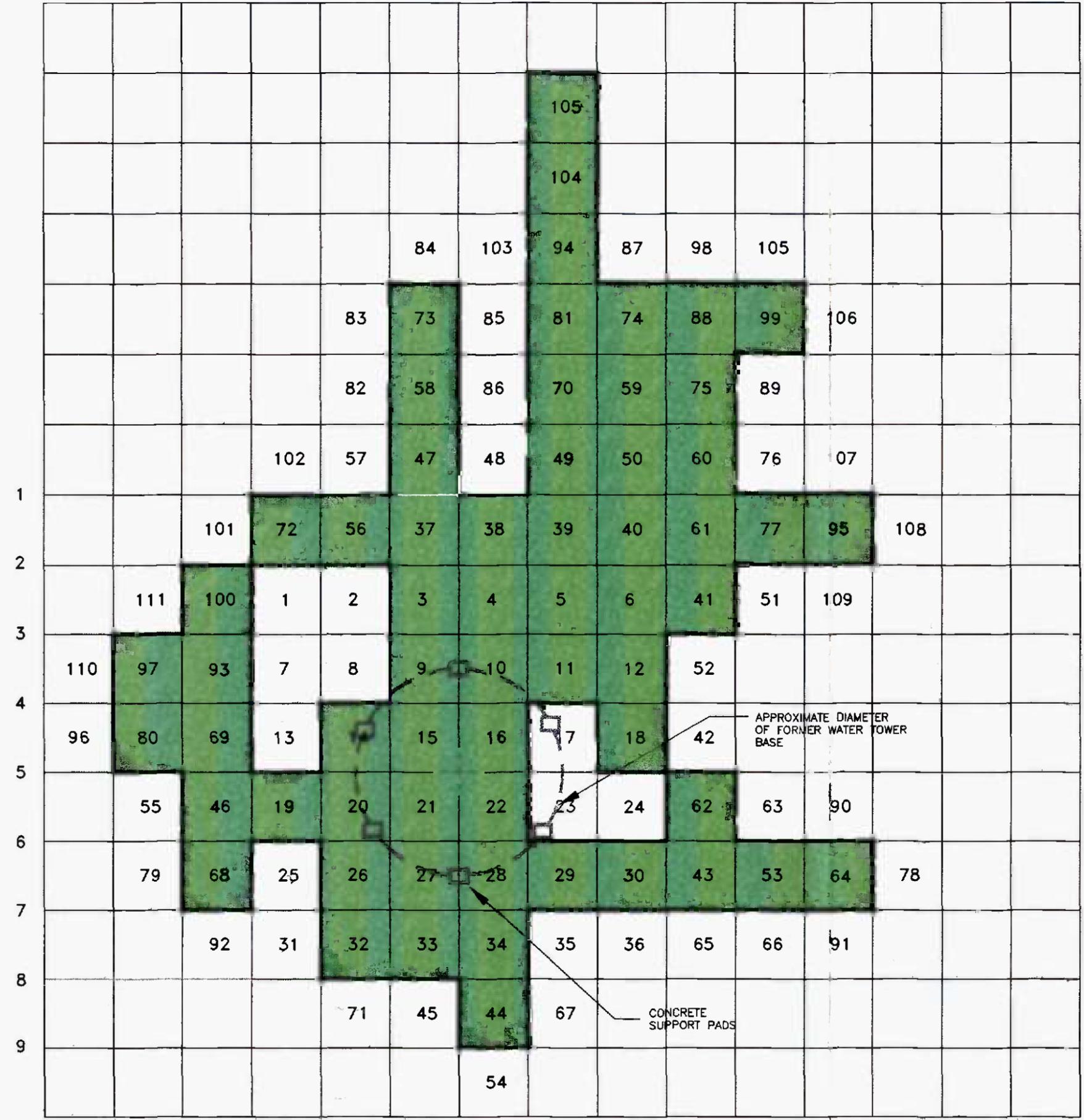


J:\ANTDVA\LEJ\19668\MONTFORDPT\19668BFIG.DWG

 <b>OHM Remediation Services Corp.</b> NORCROSS, GEORGIA A SUBSIDIARY OF O-IM CORPORATION		
DRAWN BY	J. COLLINS	7/25/97
CHECKED BY	G. GILLES	7/25/97
APPROVED BY	J. DUNN	7/25/97
REV. 0	SHEET # -	PROJECT NO. 19668

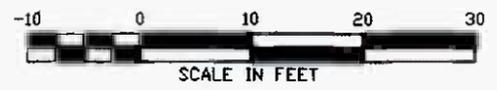
**FIGURE 2**  
**INITIAL SOIL SAMPLING GRID**  
**MONTFORD POINT WATER TOWER**  
**REMEDICATION OF LEAD**  
**CONTAMINATED SOIL**

A B C D E F G H I J K L M N



NOTES:

1. GRID SIZE IS 10' X 10'



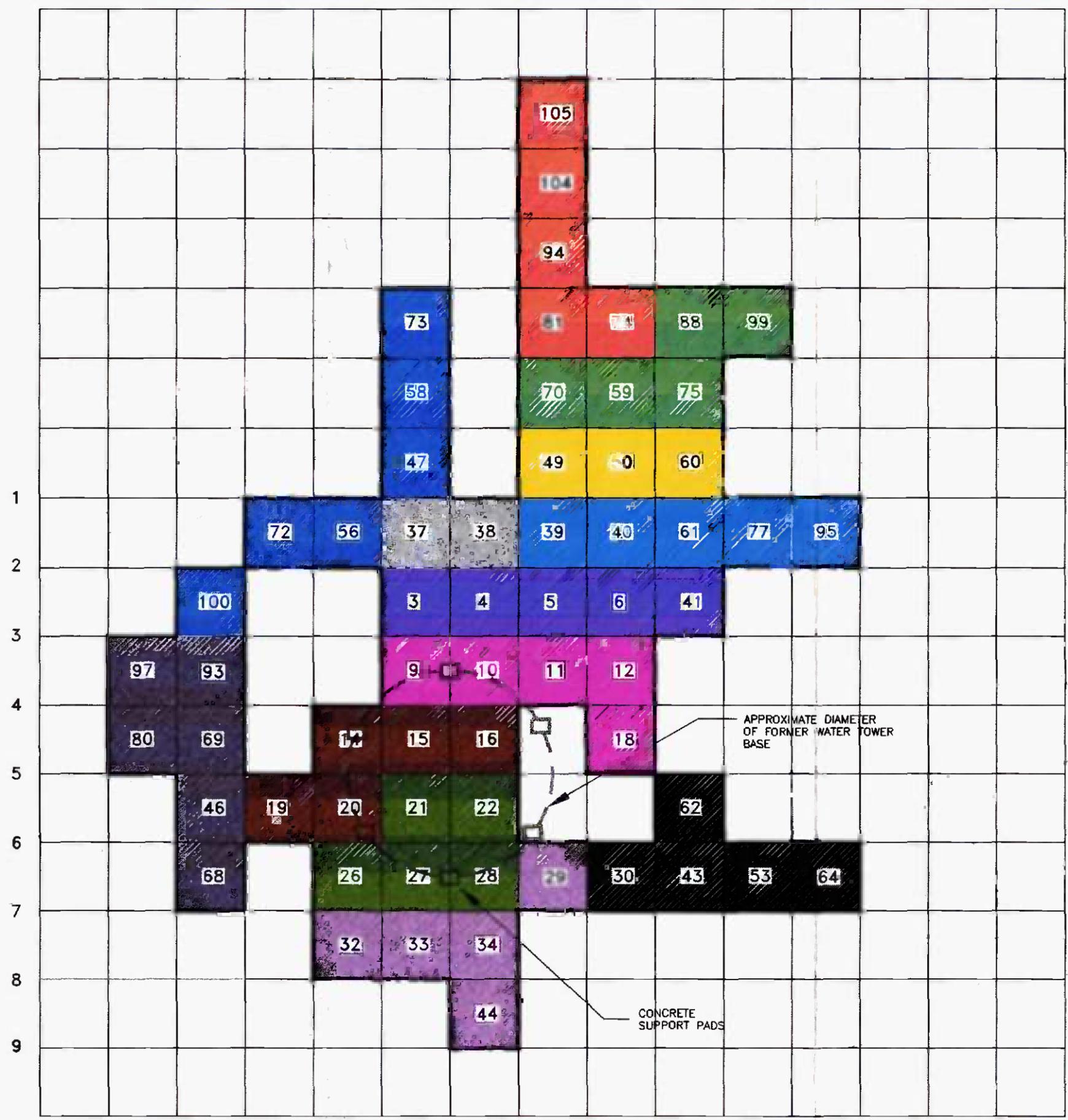
RECORD DRAWING

<p><b>OHM Remediation Services Corp.</b> NORCROSS, GEORGIA A SUBSIDIARY OF OHM CORPORATION</p>		
DRAWN BY	J. LANGE	9/16/98
CHECKED BY	A. WHITT	9/16/98
APPROVED BY	J. DUNN	9/16/98
REV. 0	SHEET # -	PROJECT NO. 919668

**FIGURE 3**  
**GRID DESIGNATION**  
**MONTFORD POINT WATER TOWER**  
**REMEDIATION OF LEAD**  
**CONTAMINATED SOIL**

00073101Y

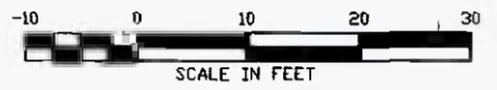
A B C D E F G H I J K L M N



- CL 151302
- CL 151304
- CL 151306
- CL 151307
- CL 151314 & CL 151351
- CL 151319 & CL 151357
- CL 151331
- CL 151332 & CL 151359
- CL 151342
- CL 151358 & CL 151342
- CL 151343 & CL 151360
- CL 151305
- CL 151306

NOTES:

1. GRID SIZE IS 10' X 10'

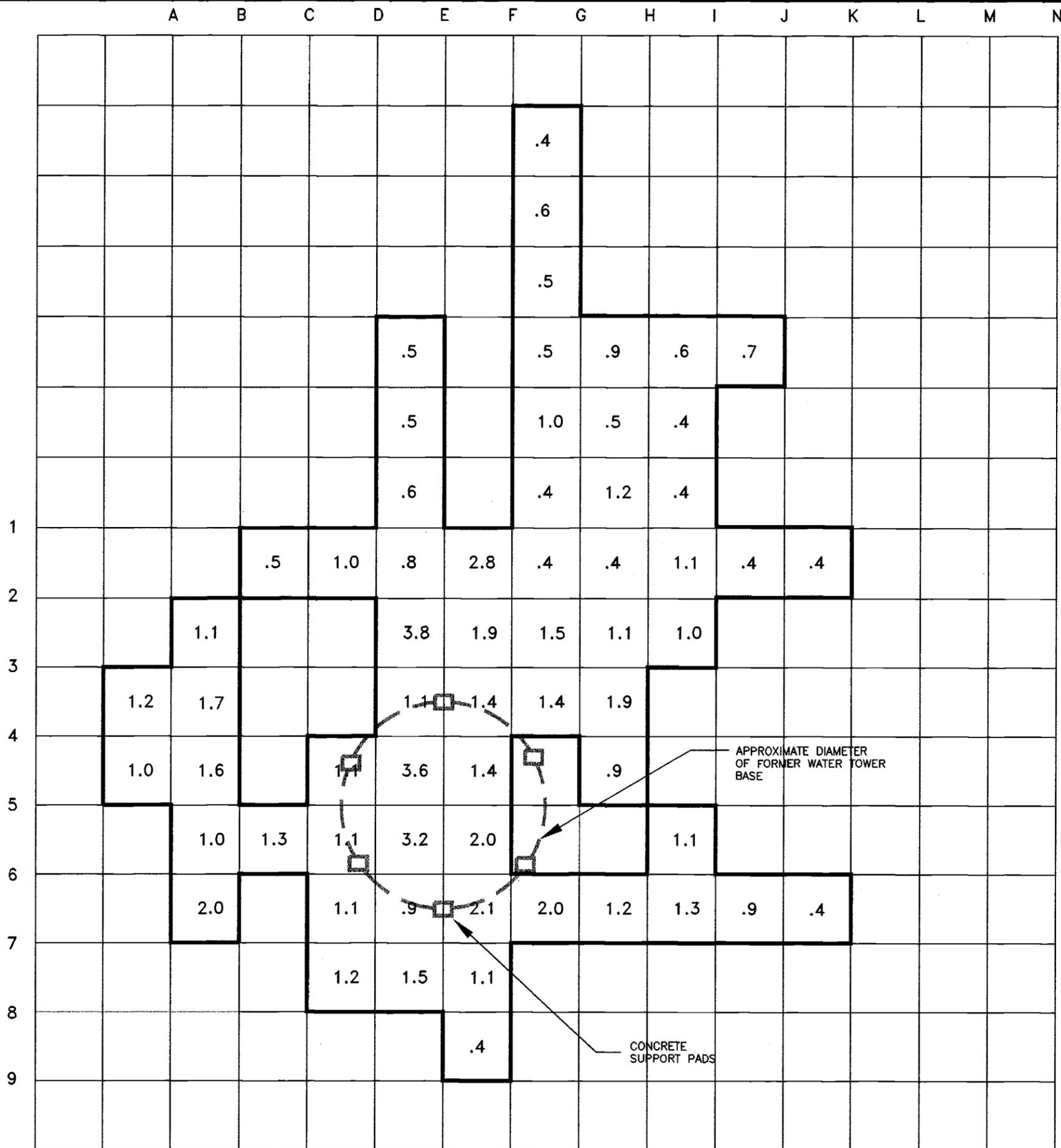


RECORD DRAWING

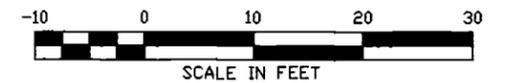
DRAWN BY	J. LANGE	9/16/98
CHECKED BY	A. WHITT	9/16/98
APPROVED BY	J. DUNN	9/16/98
REV. 0	SHEET # -	PROJECT NO. 919668

**FIGURE 3A**  
**FLOOR SAMPLE LOCATIONS**  
**MONTFORD POINT WATER TOWER**  
**REMEDICATION OF LEAD**  
**CONTAMINATED SOIL**

000731024



NOTES:  
1. GRID SIZE IS 10' X 10'

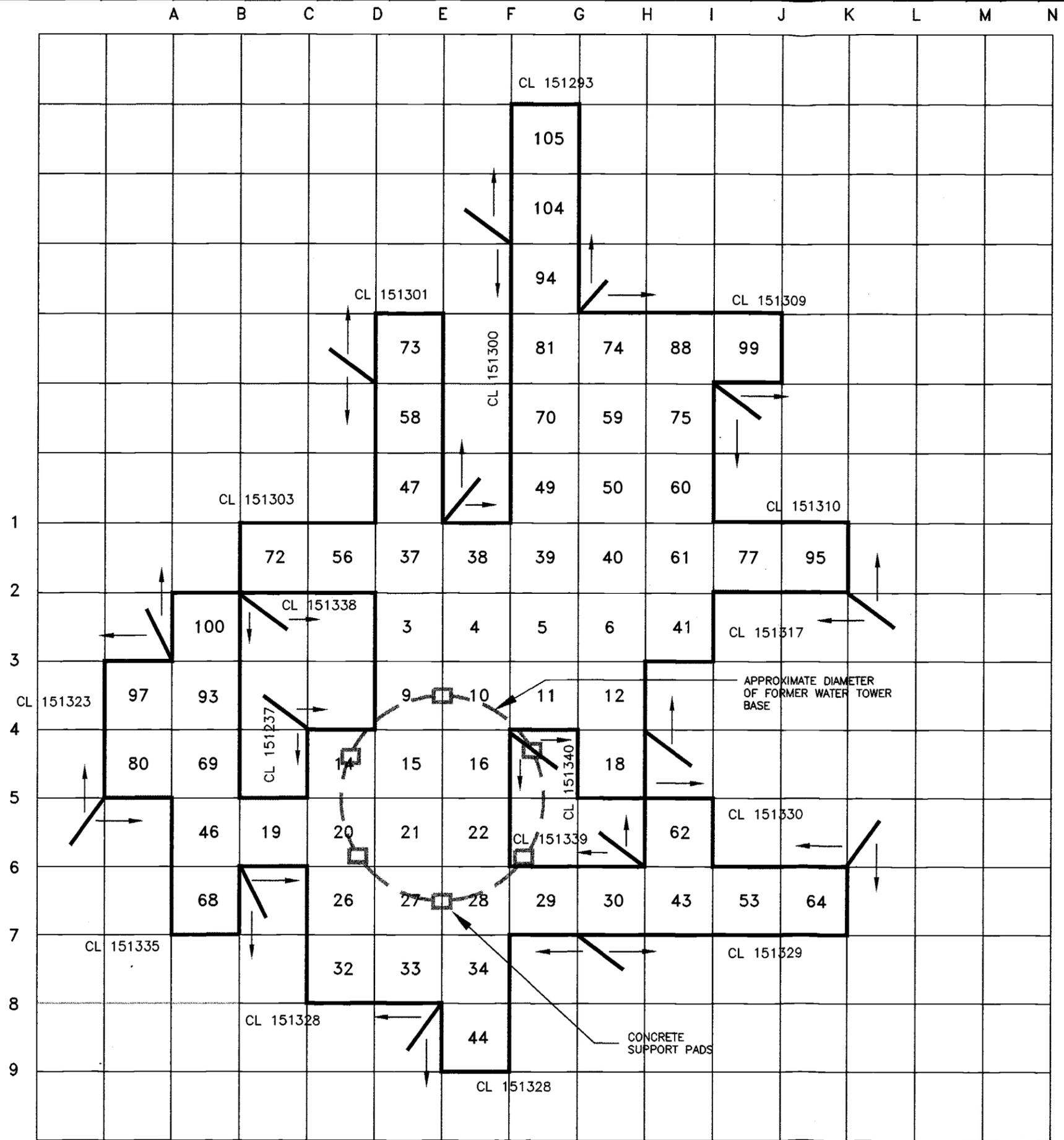


RECORD DRAWING

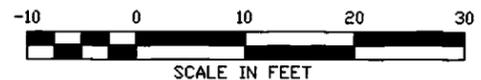
 OHM Remediation Services Corp. NORCROSS, GEORGIA A SUBSIDIARY OF OHM CORPORATION		
DRAWN BY	J. LANGE	9/16/98
CHECKED BY	A. WHITT	9/16/98
APPROVED BY	J. DUNN	9/16/98
REV.	SHEET #	PROJECT NO.
0	-	919668

FIGURE 3B  
ELEVATION DEPTHS  
MONTFORD POINT WATER TOWER  
REMEDICATION OF LEAD  
CONTAMINATED SOIL

000737037



NOTES:  
1. GRID SIZE IS 10' X 10'



RECORD DRAWING

 OHM Remediation Services Corp. NORCROSS, GEORGIA A SUBSIDIARY OF OHM CORPORATION		
DRAWN BY	J. LANGE	9/16/98
CHECKED BY	A. WHITT	9/16/98
APPROVED BY	J. DUNN	9/16/98
REV. 0	SHEET # -	PROJECT NO. 919668

FIGURE 3C  
LINEAR WALL SAMPLES  
MONTFORD POINT WATER TOWER  
REMEDICATION OF LEAD  
CONTAMINATED SOIL

00073104Z

**APPENDIX B**

**Photographic Documentation**



**Project No. 19668**                      **Date: September 1997**  
**Contract No. N62470-93-D-3032**  
**Delivery Order: 0151**  
**Location: MONTFORD POINT WATER TOWER**  
**Description: Delineation Sampling Grid**



**Project No. 19668**                      **Date: March 1998**  
**Contract No. N62470-93-D-3032**  
**Delivery Order: 0151**  
**Location: MONTFORD POINT WATER TOWER**  
**Description: Preparing to Excavate**



**Project No. 19668**                      **Date: March 1998**  
**Contract No. N62470-93-D-3032**  
**Delivery Order: 0151**  
**Location: MONTFORD POINT WATER TOWER**  
**Description: North End of Excavation**



**Project No. 19668**                      **Date: March 1998**  
**Contract No. N62470-93-D-3032**  
**Delivery Order: 0151**  
**Location: MONTFORD POINT WATER TOWER**  
**Description: North End of Excavation**



**Project No. 19668**                      **Date: March 1998**  
**Contract No. N62470-93-D-3032**  
**Delivery Order: 0151**  
**Location: MONTFORD POINT WATER TOWER**  
**Description: Final Excavation – North End**



**Project No. 19668**                      **April 1998**  
**Contract No. N62470-93-D-3032**  
**Delivery Order: 0151**  
**Location: MONTFORD POINT WATER TOWER**  
**Description: Backfilling – North End**



**Project No. 19668**                      **Date: April 1998**  
**Contract No. N62470-93-D-3032**  
**Delivery Order: 0151**  
**Location: MONTFORD POINT WATER TOWER**  
**Description: Backfilling**



**Project No. 19668**                      **Date: April 1998**  
**Contract No. N62470-93-D-3032**  
**Delivery Order: 0151**  
**Location: MONTFORD POINT WATER TOWER**  
**Description: Backfilling**



**Project No. 19668**                      **Date: April 1998**  
**Contract No. N62470-93-D-3032**  
**Delivery Order: 0151**  
**Location: MONTFORD POINT WATER TOWER**  
**Description: Backfilling**



**Project No. 19668**                      **Date: April 1998**  
**Contract No. N62470-93-D-3032**  
**Delivery Order: 0151**  
**Location: MONTFORD POINT WATER TOWER**  
**Description: Backfilling**



**Project No. 19668**                      **Date: April 1998**  
**Contract No. N62470-93-D-3032**  
**Delivery Order: 0151**  
**Location: MONTFORD POINT WATER TOWER**  
**Description: Backfilling**



**Project No. 19668**                      **Date: April 1998**  
**Contract No. N62470-93-D-3032**  
**Delivery Order: 0151**  
**Location: MONTFORD POINT WATER TOWER**  
**Description: Final Contours**

APPENDIX C

Transportation and Disposal Logs

*Weight  
Hours*

Camp Lejeune Landfill

Time: 08:58:25  
DATE: 04/03/19

Ticket #: 4748

Unit#: 12  
Unit:  
Phone:  
Waste: 5

Truck#: 2016  
Company: WASTE/INDST  
License: GRAY/ROLL OFF

Description: DIRT  
Cubic Yard: 1.290

SC: AS      MCAS  
Cell: 1  
Level: 1  
Gpsx: 0.000  
Gpsy: 0.000

Gross Wt = 72100  
Tare Wt = 36900 STD  
Net Wt = 35200

Net Tons = 17.60  
Total Cubic Yards = 22.70

Driver *[Signature]*

Weighmaster BRYANT

①



Camp Lejeune Landfill

Time: 13:24:33  
DATE: 04/03/19

Ticket #: 4783

Unit#: 12

Unit:

Phone:

Waste: 5

Description: DIRT

Cubic Yard: 1.290

Gross Wt = 56000

Tare Wt = 30900 STD

Net Wt = 19100

Truck#: 2016

Company: WASTE/INDST

License: GRAY/ROLL OFF

SC: AA

ON BASE

Cell: 1

Level: 1

Gpsx: 0.000

Gpsy: 0.000

Net Tons = 9.55

Total Cubic Yards = 12.32

Driver



Weighmaster BRYANT

3

Camp Lejeune Landfill

Time: 13:27:58  
DATE: 04/06/19

Ticket #: 4871

Unit#:12  
Unit:  
Phone:  
Waste:5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description:DIRT  
Cubic Yard: 1.290

SC: AA ON BASE  
Cell: 1  
Level: 1  
Gpsx: 0.000  
Gpsy: 0.000

Gross Wt = 56480  
Tare Wt = 32480 STD  
Net Wt = 24000

Net Tons = 12.00  
Total Cubic Yards = 15.48

Driver \_\_\_\_\_

Weighmaster BRYANT

19:50  
5  
Shrs  
Went

4

Camp Lejeune Landfill

Time: 15:11:24  
DATE: 04/06/19

Ticket #: 4887

Unit#: 12  
Unit:  
Phone:  
Waste: 5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description: DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx: 0.000  
Gpsy: 0.000

Gross Wt = 50620  
Tare Wt = 32480 STO  
Net Wt = 18140

Net Tons = 9.07  
Total Cubic Yards = 11.70

Driver *[Signature]*

Weighmaster BRYANT

19:50  
5:45  
05:61

(S)

Camp Lejeune Landfill

Truck 332  
From W11

Time: 11:15:40  
DATE: 04/06/19

Ticket #: 4854

Unit#: 12  
Unit:  
Phone:  
Waste: 5

Truck#: 332  
Company: WASTE IND.  
License: ROLL OFF

Description: DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx: 0.000  
Gpsy: 0.000

Gross Wt = 53660  
Tare Wt = 34120 INB  
Net Wt = 19540

Net Tons = 9.77  
Total Cubic Yards = 12.60

Driver \_\_\_\_\_

Weighmaster BRYANT

6

AD  
Camp Lejeune Landfill

Time: 10:59:49  
DATE: 04/06/19

Ticket #: 4853

Unit#:12

Unit:

Phone:

Waste:5

Description:DIRT

Cubic Yard: 1.290

Gross Wt = 56720

Tare Wt = 32400 STD

Net Wt = 24240

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

SC: AA ON BASE

Cell: J

Level: I

Gpsx: 0.000

Gpsy: 0.000

Net Tons = 12.12  
Total Cubic Yards = 15.65

Driver \_\_\_\_\_

Weighmaster BRYANT

7

Camp Lejeune Landfill

157

Time: 09:02:56  
DATE: 04/06/19

Ticket #: 4822

Unit#:12  
Unit:  
Phone:  
Waste:5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description:DIRT  
Cubic Yard: 1.290

SC: AA ON BASE  
Cell: 1  
Level: 1  
Gpsx: 0.000  
Gpsy: 0.000

Gross Wt = 72600  
Tare Wt = 32480 INB  
Net Wt = 40120

Net Tons = 20.06  
Total Cubic Yards = 25.88

Driver

*George Kase*

Weighmaster BRYANT

8

Camp Lejeune Landfill



Time: 08:01:29  
DATE: 04/07/19

Ticket #: 4896

Unit#: 12  
Unit:  
Phone:  
Waste: 5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description: DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx:      0.000  
Gpsy:      0.000

Gross Wt = 52720  
Tare Wt = 32480 STD  
Net Wt = 20240

Net Tons = 10.12  
Total Cubic Yards = 13.05

Driver

*George Cage*

Weighmaster BRYANT



Camp Lejeune Landfill

Time: 09:40:17  
DATE: 04/07/19

Ticket #: 4917

Unit#:12  
Unit:  
Phone:  
Waste:5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description:DIRT  
Cubic Yard: 1.290

SC: AA ON BASE  
Cell: 1  
Level: :  
Gpsx: 0.000  
Gpsy: 0.000

Gross Wt = 63240  
Tare Wt = 32480 STD  
Net Wt = 30760

Net Tons = 15.38  
Total Cubic Yards = 19.84

Driver

*[Signature]*

Weighmaster BRYANT

10

Camp Lejeune Landfill

Time: 11:08:54  
DATE: 04/07/19

Ticket #: 4933

Unit#:12  
Unit:  
Phone:  
Waste:5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description:DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx:      0.000  
Gpsy:      0.000

Gross Wt = 66840  
Tare wt = 32480 STU  
Net Wt = 34360

Net Tons = 17.18  
Total Cubic Yards = 22.16

Driver

*George Loral*

Weighmaster BRYANT

(12)

Camp Lejeune Landfill

Time: 12:51:36  
DATE: 04/07/19

Ticket #: 4950

Unit#: 12  
Unit:  
Phone:  
Waste: 5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description: DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx:      0.000  
Gpsy:      0.000

Gross Wt = 71640  
Tare Wt = 32480 STD  
Net Wt = 39160

Net Tons = 19.58  
Total Cubic Yards = 25.26

Driver



Weighmaster BRYANT

14

Camp Lejeune Landfill

Time: 14:44:03  
DATE: 04/07/19

Ticket #: 4976

Unit#: 12  
Unit:  
Phone:  
Waste: 5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description: DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx:      0.000  
Gpsy:      0.000

Gross Wt = 78860  
Tare Wt = 32480 STD  
Net Wt = 46380

Net Tons = 23.19  
Total Cubic Yards = 29.92

Driver

*[Handwritten signature]*

Weighmaster BRYANT

*[Handwritten mark]*

Camp Lejeune Landfill

Time: 11:44:42  
DATE: 04/08/19

Ticket #: 5040

Unit#: 12  
Unit:  
Phone:  
Waste: 5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description: DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx:      0.000  
Gpsy:      0.000

Gross Wt = 59060  
Tare Wt = 32480 STO  
Net Wt = 26580

Net Tons = 13.29  
Total Cubic Yards = 17.14

Driver

*[Handwritten Signature]*

Weighmaster BRYANT

16

Camp Lejeune Landfill

Time: 08:01:47  
DATE: 04/08/19

\*\*\*This Ticket Is A Reprint\*\*\*

Ticket #: 4999

Unit#:12  
Unit:  
Phone:  
Waste:5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description:DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx:      0.000  
Gpsy:      0.000

Gross Wt = 65860  
Tare Wt = 32480  
Net Wt = 33380

Net Tons = 16.69  
Total Cubic Yards = 21.53

Driver

Wmmy Brun

Weighmaster BRYANT

17

Camp Lejeune Landfill

Time: 09:34:08  
DATE: 04/08/19

Ticket #: 5015

Unit#:12  
Unit:  
Phone:  
Waste:5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description:DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx:      0.000  
Gpsy:      0.000

Gross Wt = 68500  
Tare Wt = 32480 STD  
Net Wt = 36020

Net Tons = 18.01  
Total Cubic Yards = 23.25

Driver

Harvey B...

Weighmaster BRYANT

18

Camp Lejeune Landfill

Time: 13:06:52  
DATE: 04/08/19

Ticket #: 5051

Unit#:12  
Unit:  
Phone:  
Waste:5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description:DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx: 0.000  
Gpsy: 0.000

Gross Wt = 68460  
Tare Wt = 32480 STO  
Net Wt = 35980

Net Tons = 17.99  
Total Cubic Yards = 23.21

Driver

Nancy Quinn

Weighmaster BRYANT

19

Camp Lejeune Landfill

Time: 14:46:12  
DATE: 04/08/19

Ticket #: 5074

Unit#:12  
Unit:  
Phone:  
Waste:5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description:DIRT  
Cubic Yard: 1.290

SC: AA ON BASE  
Cell: 1  
Level: 1  
Gpsx: 0.000  
Gpsy: 0.000

Gross Wt = 68240  
Tare Wt = 32480 STD  
Net Wt = 35760

Net Tons = 17.88  
Total Cubic Yards = 23.07

Driver

Harry Burton

Weighmaster BRYANT

20

Camp Lejeune Landfill

OAM

Time: 13:26:18  
DATE: 04/08/19

Ticket #: 5056

Unit#:12  
Unit:  
Phone:  
Waste:5

Truck#: 400  
Company: WASTE IND.  
License: ROLL OFF

Description:DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx:      0.000  
Gpsy:      0.000

Gross Wt = 79160  
Tare Wt = 35760 STD  
Net Wt = 43400

Net Tons = 21.70  
Total Cubic Yards = 27.99

Driver

*2*

Weighmaster BRYANT

*2*

Camp Lejeune Landfill

*OKM*

Time: 10:54:12  
DATE: 04/08/19

Ticket #: 5029

Unit#: 12  
Unit:  
Phone:  
Waste: 5

Truck#: 400  
Company: WASTE IND.  
License: ROLL OFF

Description: DIRT  
Cubic Yard: 1.290

SC: AA ON BASE  
Cell: 1  
Level: 1  
Gpsx: 0.000  
Gpsy: 0.000

Gross Wt = 67240  
Tare Wt = 35760 IND  
Net Wt = 31480

Net Tons = 15.74  
Total Cubic Yards = 20.30

Driver

*W. Bryant*

Weighmaster BRYANT

22

21m

Camp Lejeune Landfill

Time: 14:19:35  
DATE: 04/10/19

Ticket #: 5158

Unit#:12  
Unit:  
Phone:  
Waste:5

Truck#: 2016  
Company: WASTE/INDST  
License: GRAY/ROLL OFF

Description:DIRT  
Cubic Yard: 1.290

SC: AA ON BASE  
Cell: 1  
Level: 1  
Gpsx: 0.000  
Gpsy: 0.000

Gross Wt = 60160  
Tare Wt = 36900 STO  
Net Wt = 23260

Net Tons = 11.63  
Total Cubic Yards = 15.00

Driver Will Bryant Weighmaster BRYANT

23

Camp Lejeune Landfill

Time: 12:13:47  
DATE: 04/10/19

Ticket #: 5151

Unit#: 12  
Unit:  
Phone:  
Waste: 5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description: DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx: 0.000  
Gpsy: 0.000

Gross Wt = 60800  
Tare Wt = 32480 STO  
Net Wt = 28320

Net Tons = 14.16  
Total Cubic Yards = 18.27

Driver



Weighmaster LARRY





Camp Lejeune Landfill

Time: 14:07:09  
DATE: 04/10/19

Ticket #: 5156

Unit#:12  
Unit:  
Phone:  
Waste:5

Truck#: 330  
Company: WASTE IND.  
License: ROLL OFF

Description:DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpsx:      0.000  
Gpsy:      0.000

Gross Wt = 59100  
Tare Wt = 32400 STD  
Net Wt = 26620

Net Tons = 13.31  
Total Cubic Yards = 17.17

Driver

*Nancy Dun*

Weighmaster BRYANT

26

O.H.m # 111

Camp Lejeune Landfill

Time: 11:27:57  
DATE: 04/13/19

Ticket #: 5205

Unit#:12  
Unit:  
Phone:  
Waste:5

Truck#: 2016  
Company: WASTE/INDST  
License: GRAY/ROLL OFF

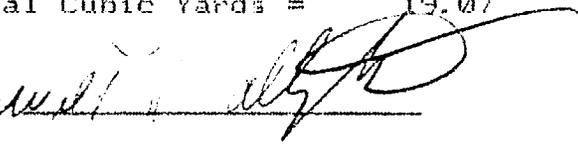
Description:DIRT  
Cubic Yard: 1.290

SC: AA ON BASE  
Cell: 1  
Level: 1  
Gpsx: 0.000  
Gpsy: 0.000

Gross Wt = 66460  
Tare Wt = 36900 STD  
Net Wt = 29560

Net Tons = 14.78  
Total Cubic Yards = 19.07

Driver



Weighmaster BRYANT

11

04m 18

Camp Lejeune Landfill

Time: 13:08:02  
DATE: 04/13/19

Ticket #: 5212

Unit#: 12  
Unit:  
Phone:  
Waste: 5

Truck#: 2016  
Company: WASTE/INDST  
License: GRAY/ROLL OFF

Description: DIRT  
Cubic Yard: 1.290

SC: AA      ON BASE  
Cell: 1  
Level: 1  
Gpx: 0.000  
Gpsy: 0.000

Gross Wt = 66240  
Tare Wt = 36900 STD  
Net Wt = 29340

Net Tons = 14.67  
Total Cubic Yards = 18.98

Driver

*Will O. Bryant*

Weighmaster BRYANT

13

APPENDIX D

QC Analytical Report

**QUALITY CONTROL RESULTS  
 TCLP METALS**

**Laboratory Control Sample**

Spike Compound	LCS Recovery (%)	LCSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
Arsenic	96	NA	NA	20	82-108
Barium	88	NA	NA	20	76-121
Cadmium	93	NA	NA	20	83-106
Chromium	93	NA	NA	20	84-106
Lead	95	NA	NA	20	82-108
Mercury	106	NA	NA	20	67-139
Selenium	98	NA	NA	20	82-112
Silver	89	NA	NA	20	80-105

**Matrix Spike (MS) / Matrix Spike Duplicate (MSD)**

Sample ID: AB39571\*

Spike Compound	MS Recovery (%)	MSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
Arsenic	93	101	8	20	82-115
Barium	93	96	3	20	82-116
Cadmium	86	91	6	20	83-109
Chromium	94	99	5	20	85-105
Lead	80	86	7	20	83-114
Mercury	96	89	8	20	57-144
Selenium	99	105	6	20	86-111
Silver	87	90	3	20	80-110

\* = Batch QC; Hg QC performed on AB39976  
 The TCLP metals listed above were spiked with a 100 ppm solution.

**QUALITY CONTROL RESULTS  
 TCLP VOLATILES**

**Laboratory Control Sample**

Spike Compound	LCS Recovery (%)	LCSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
1,1-Dichloroethene	104	NA	NA	20	61-154
Benzene	114	NA	NA	20	76-127
Trichloroethene	99	NA	NA	20	71-120
Toluene	94	NA	NA	20	76-125
Chlorobenzene	93	NA	NA	20	75-130

**Matrix Spike (MS) / Matrix Spike Duplicate (MSD)**

Sample ID: AB39897\*

Spike Compound	MS Recovery (%)	MSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
1,1-Dichloroethene	112	105	7	20	61-154
Benzene	116	116	0	20	76-127
Trichloroethene	99	9	1	20	71-120
Toluene	90	93	4	20	76-125
Chlorobenzene	95	92	3	20	75-130

\* = Batch QC

The TCLP VOCs were spiked with a 50 ppb solution.

**QUALITY CONTROL RESULTS  
TCLP SEMIVOLATILES**

**Laboratory Control Sample**

Spike Compound	LCS Recovery (%)	LCSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
Pentachlorophenol	59	NA	NA	20	14-176
1,4-Dichlorobenzene	24	NA	NA	20	20-124
2,4-Dinitrotoluene	28	NA	NA	20	39-139

**Matrix Spike (MS) / Matrix Spike Duplicate (MSD)**

Sample ID: AB39897\*

Spike Compound	MS Recovery (%)	MSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
Phenol	20	21	5	20	5-112
2-Chlorophenol	70	66	6	20	23-134
4-Chloro-3-methylphenol	69	62	11	20	22-147
4-Nitrophenol	63	44	36**	20	0-132
Pentachlorophenol	78	68	14	20	14-176
1,4-Dichlorobenzene	62	68	9	20	20-124
n-Nitroso-di-n-propylamine	74	60	21**	20	30-230
1,2,4-Trichlorobenzene	66	64	3	20	44-142
Acenaphthene	92	86	7	20	47-145
2,4-Dinitrotoluene	54	54	0	20	39-139
Pyrene	88	82	7	20	52-115

\* = Batch QC

\*\* = RPD outside method specified limits; however, the MS and MSD recoveries were both within acceptable limits.

The TCLP SVOCs were spiked with a 100ppm solution for the following analytes: Phenol, 2-Chlorophenol, 4-Chloro-3-methyl 4-Nitrophenol, and Pentachlorophenol. The remaining analytes were spiked with a 50 ppm solution.

**QUALITY CONTROL RESULTS  
 TCLP PESTICIDES**

**Laboratory Control Sample**

Spike Compound	LCS Recovery (%)	LCSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
gamma-BHC	110	NA	NA	20	19-140
Endrin	100	NA	NA	20	30-147
Heptachlor epoxide	111	NA	NA	20	37-142
Heptachlor	101	NA	NA	20	17-147
Methoxychlor	96	NA	NA	20	50-185

**Matrix Spike (MS) / Matrix Spike Duplicate (MSD)**

Sample ID: AB39897\*

Spike Compound	MS Recovery (%)	MSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
Lindane	120	122	2	20	19-140
Heptachlor	129**	133**	3	20	34-111
Aldrin	108	110	2	20	42-122
Dieldrin	136	138	1	20	36-146
Endrin	152**	155**	2	20	30-147
DDT	142	139	3	20	25-160

\* = Batch QC reported

\*\* = Outside method specified limits due to matrix interference.

The TCLP Pesticides were spiked with a 0.25 ppm solution.

Accura Analytical Laboratory  
 6017 Financial Drive  
 Norcross, GA 30071  
**QUALITY CONTROL RESULTS**  
**TCLP HERBICIDES**

**Laboratory Control Sample**

Spike Compound	LCS Recovery (%)	LCSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
2,4-D	74	NA	NA	20	50-150
2,4,5-TP (Silvex)	70	NA	NA	20	50-150

**Matrix Spike (MS) / Matrix Spike Duplicate (MSD)**

Sample ID: AB39897\*

Spike Compound	MS Recovery (%)	MSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
2,4-D	62	78	23**	20	50-150
2,4,5-TP (Silvex)	119	84	35**	20	50-150

\* = Batch QC

\*\* = RPD outside the method specified limits; however the MS and MSD recoveries were both within acceptable limits. The TCLP Herbicides were spiked with a 0.125 ppm solution.

**Accura Analytical Laboratory, Inc.**

**MS/MSD Report**

<b>Sample ID:</b>	<u>39897 MS&amp;MSD</u>	<b>Date Acquired:</b>	<u>3/31/98</u>
<b>Operator:</b>	<u>JW</u>	<b>Instrument ID:</b>	<u>INST. C 5970</u>
<b>Data File:</b>	<u>C02243 &amp; C02244</u>	<b>Bottle #:</b>	<u>9 &amp; 10</u>
<b>Method:</b>	<u>8270B3.M</u>	<b>Matrix:</b>	<u>Water</u>

Compound	Expected Rec. (ppm)	MS Rec. (ppm)	MS % Recovery	MSD Rec. (ppm)	MSD % Recovery	Recovery Limits (%)*	MS	MSD	%RPD	%RPD Limit	Pass/Fail
							Pass/Fail	Pass/Fail			
Phenol	100	20	20%	21	21%	5 - 112	Pass	Pass	5%	< 20	Pass
2-Chlorophenol	100	70	70%	66	66%	23 - 134	Pass	Pass	6%	< 20	Pass
4-Chloro-3-methylphenol	100	69	69%	62	62%	22 - 147	Pass	Pass	11%	< 20	Pass
4-Nitrophenol	100	63	63%	44	44%	0 - 132	Pass	Pass	36%	< 20	Fail
Pentachlorophenol	100	78	78%	68	68%	14 - 176	Pass	Pass	14%	< 20	Pass
1,4-Dichlorobenzene	50	31	62%	34	68%	20 - 124	Pass	Pass	9%	< 20	Pass
N-Nitroso-di-n-propylamine	50	37	74%	30	60%	0 - 230	Pass	Pass	21%	< 20	Fail
1,2,4-Trichlorobenzene	50	33	66%	32	64%	44 - 142	Pass	Pass	3%	< 20	Pass
Acenaphthene	50	46	92%	43	86%	47 - 145	Pass	Pass	7%	< 20	Pass
2,4-Dinitrotoluene	50	27	54%	27	54%	39 - 139	Pass	Pass	0%	< 20	Pass
Pyrene	50	44	88%	41	82%	52 - 115	Pass	Pass	7%	< 20	Pass

\*Method limits from SW846 Method 8270B. Inhouse limits to be developed.

Surrogates	Expected Rec. (ppm)	MS Rec. (ppm)	MS % Recovery	MSD Rec. (ppm)	MSD % Recovery	Recovery Limits (%)*	MS	MSD
							Pass/Fail	Pass/Fail
2-Fluorophenol	100	67	67%	61	61%	21 - 100	Pass	Pass
Phenol-d6	100	60	60%	54	54%	10 - 94	Pass	Pass
Nitrobenzene-d5	100	68	68%	67	67%	35 - 114	Pass	Pass
2-Fluorobiphenyl	100	84	84%	84	84%	43 - 116	Pass	Pass
2,4,6-Tribromophenol	100	80	80%	73	73%	10 - 123	Pass	Pass
p-Terphenyl-d14	100	86	86%	86	86%	33 - 141	Pass	Pass

**Accura Analytical Laboratory, Inc.**

**MS/MSD Report**

<b>Sample ID:</b>	<u>MS/MSD 39897</u>	<b>Date Acquired:</b>	<u>3/30/98</u>
<b>Operator:</b>	<u>YGK</u>	<b>Instrument ID:</b>	<u>#1</u>
<b>Data File:</b>	<u>033098\008F&amp;004F</u>	<b>Bottle #:</b>	<u>4&amp;8</u>
<b>Method:</b>	<u>8151</u>	<b>Matrix:</b>	<u>Water</u>

Compound	Expected Rec. (ppm)	MS Rec. (ppm)	MS % Recovery	MSD Rec. (ppm)	MSD % Recovery	Recovery Limits (%)*	MS	MSD	%RPD	%RPD Limit	Pass/Fail
							Pass/Fail	Pass/Fail			
2,4-D	0.125	0.0777	62%	0.0981	78%	50 - 150	Pass	Pass	23%	< 20	Fail
2,4,5-TP (Silvex)	0.125	0.149	119%	0.105	84%	50 - 150	Pass	Pass	35%	< 20	Fail

\* Inhouse limits to be developed.

Surrogates	Expected Rec. (ppm)	MS Rec. (ppm)	MS % Recovery	MSD Rec. (ppm)	MSD % Recovery	Recovery Limits (%)	MS	MSD
							Pass/Fail	Pass/Fail
DCAA	0.5	0.422	84%	0.512	102%	12 - 154	Pass	Pass

=====  
 External Standard Report  
 =====

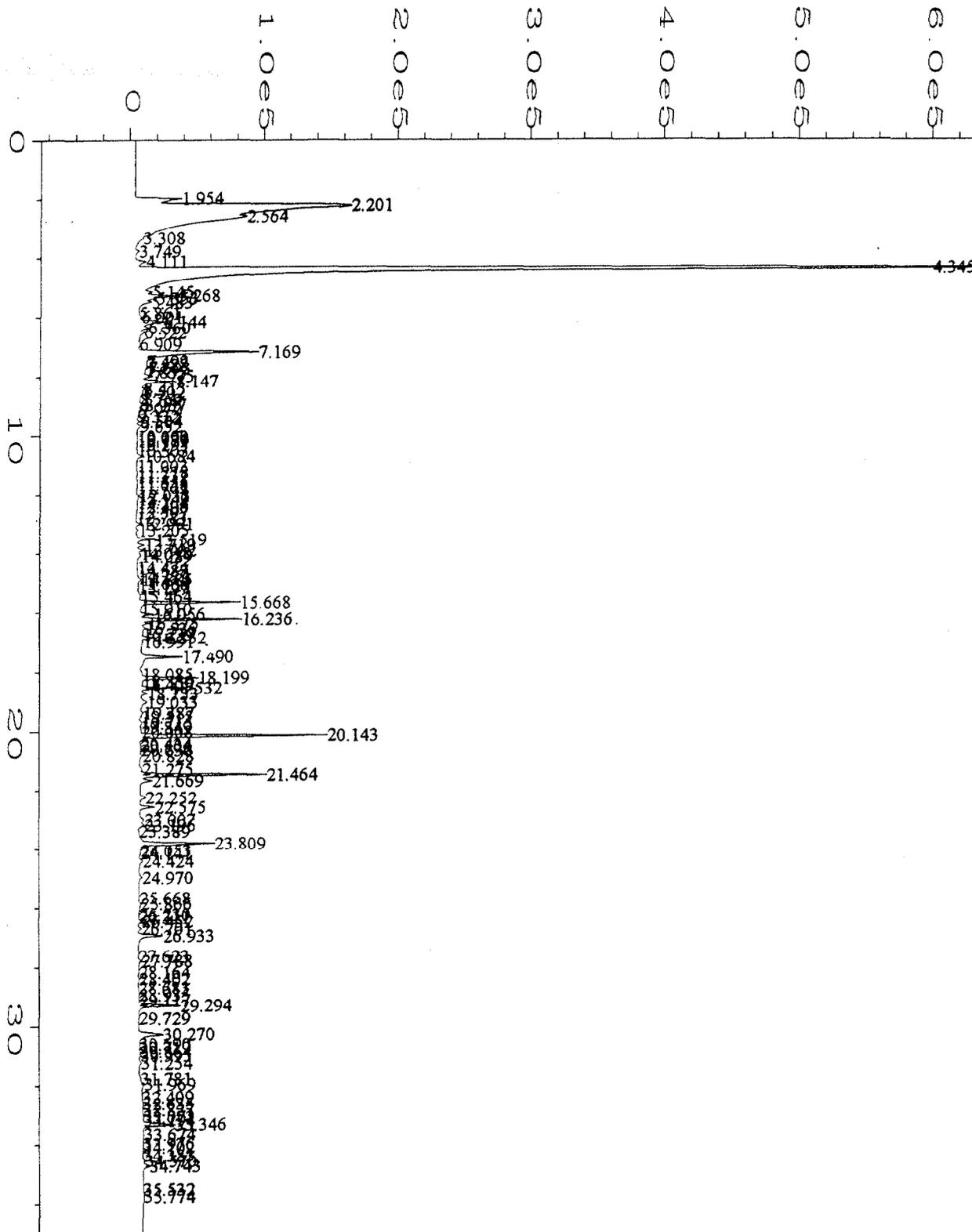
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 Operator : YGK Page Number : 1  
 Instrument : ANALYZER1 Vial Number : 4  
 Sample Name : 39897 W MS REDER Injection Number : 1  
 Run Time Bar Code: Sequence Line : 1  
 Acquired on : 30 Mar 98 10:22 AM Instrument Method: 8151.MTH  
 Report Created on: 01 Apr 98 02:41 PM Analysis Method : 032598HF.MT  
 Last Recalib on : 27 MAR 98 09:04 AM Sample Amount : 0  
 Multiplier : 1 ISTD Amount :

Sig. 1 in C:\HPCHEM\1\DATA\033098\004F0101.D

Ret Time	Area	Type	Width	Ref#	ug/ml	Name
5.483	54408	VB	0.086	1	0.0296	DALAPON
15.668	301880	BB	0.061	1-R	0.422	DCAA SUR.STD. 84
16.056	37658	BV	0.060	1	-25.910	MCPA
16.236	281872	PV	0.058	1	0.0963	DICAMBA
16.852	32698	BV	0.054	1	3.289	MCPD
17.490	128879	BB	0.065	1	0.153	DICHLOROPROP
18.532	84966	BV	0.060	1	0.0777	2,4D
20.143	586128	BBA	0.065	1	0.149	SILVEX (2,4,5-TP)
21.464	438105	VV	0.070	1	0.120	2,4,5T
21.669	47350	VB	0.077	1	0.0128	DINOSEB (DNBP)
22.575	50758	BB	0.069	1	0.0818	2,4DB

Time Reference Peak	Expected RT	Actual RT	Difference
2	15.685	15.668	-0.1%

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Data File Name	: C:\HPCHEM\1\DATA\033098\004F0101.D	Page Number	: 1
Operator	: YGK	Vial Number	: 4
Instrument	: ANALYZER1	Injection Number	: 1
Sample Name	: 39897 W MS REDER	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	8151.MTH
Acquired on	: 30 Mar 98 10:22 AM	Analysis Method	: 032598HF.MTH
Report Created on:	01 Apr 98 02:55 PM	Sample Amount	: 0
Last Recalib on	: 27 MAR 98 09:04 AM	ISTD Amount	:
Multiplier	: 1		

External Standard Report

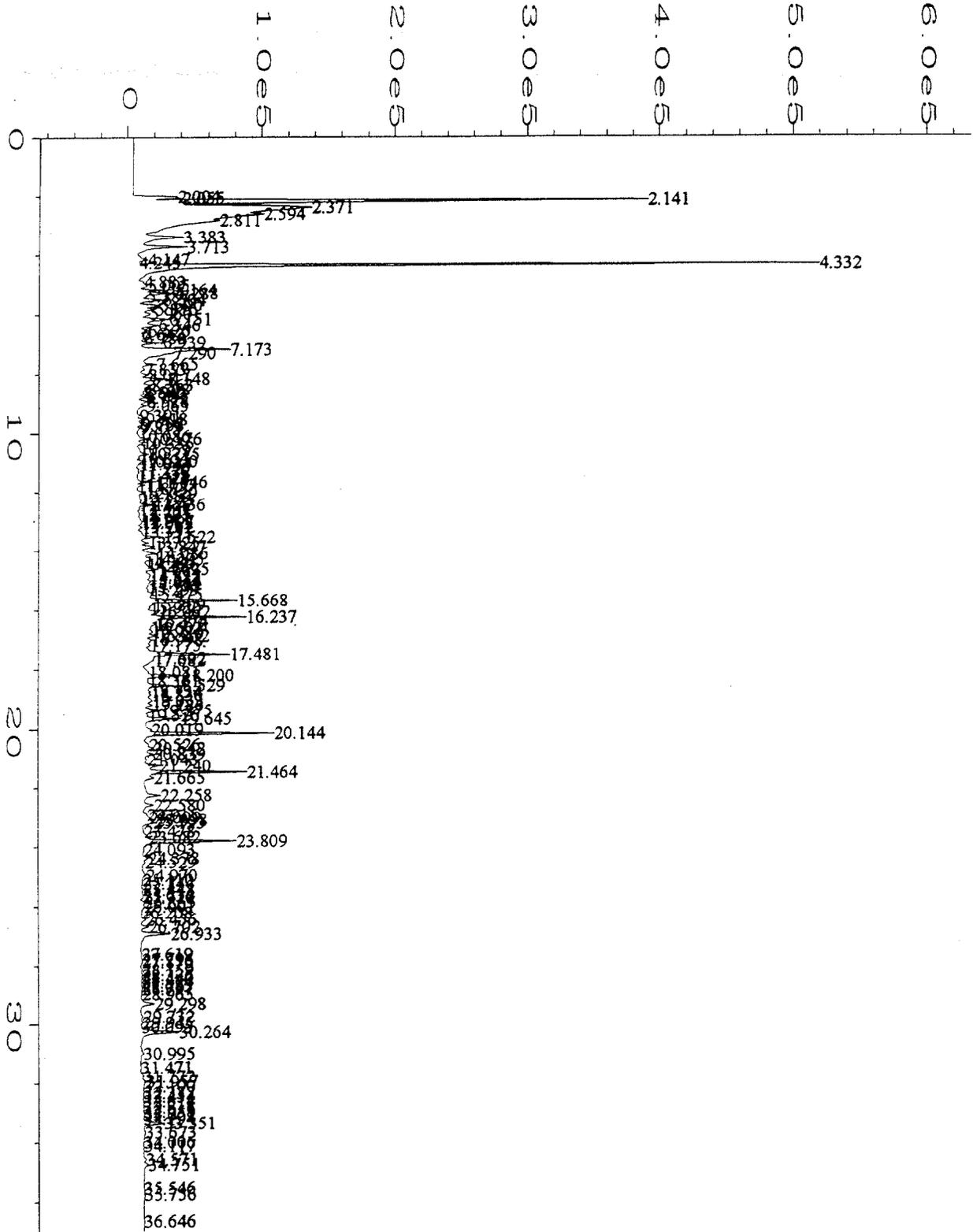
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Data File Name      : C:\HPCHEM\1\DATA\033098\008F0101.D
Operator           : YGK                               Page Number      : 1
Instrument         : ANALYZER1                         Vial Number      : 8
Sample Name       : 39897 T MSD                       Injection Number  : 1
Run Time Bar Code :                                     Sequence Line    : 1
Acquired on      : 30 Mar 98  02:43 PM                Instrument Method: 8151.MTH
Report Created on: 01 Apr 98  02:43 PM                Analysis Method  : 032598HF.MTH
Last Recalib on  : 27 MAR 98  09:04 AM                Sample Amount    : 0
Multiplier       : 1                                   ISTD Amount     :
  
```

Sig. 1 in C:\HPCHEM\1\DATA\033098\008F0101.D

Ret Time	Area	Type	Width	Ref#	ug/ml	Name
5.387	41083	VV	0.058	1	0.0223	DALAPON
15.668	356414	VV	0.072	1-R	0.512	DCAA SUR.STD. 102
15.920	32167	VV	0.070	1	-15.659	MCPA
16.237	366058	VV	0.069	1	0.132	DICAMBA
16.852	59234	VV	0.074	1	8.089	MCPD
17.481	376551	VV	0.082	1	0.505	DICHLOROPROP
18.529	102380	VV	0.073	1	0.0981	2,4D
20.144	431732	VV	0.068	1	0.105	SILVEX (2,4,5-TP)
21.464	378551	VV	0.074	1	0.101	2,4,5T
21.665	42714	VV	0.082	1	0.0115	DINOSEB (DNBP)
22.580	36205	PV	0.077	1	0.0516	2,4DB

Time Reference Peak	Expected RT	Actual RT	Difference
2	15.685	15.668	-0.1%



Data File Name : C:\HPCHEM\1\DATA\033098\008F0101.D  
 Operator : YGK  
 Instrument : ANALYZER1  
 Sample Name : 39897 T MSD  
 Run Time Bar Code:  
 Acquired on : 30 Mar 98 02:43 PM  
 Report Created on: 01 Apr 98 02:43 PM  
 Last Recalib on : 27 MAR 98 09:04 AM  
 Multiplier : 1

Page Number : 1  
 Vial Number : 8  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: 8151.MTH  
 Analysis Method : 032598HF.MTH  
 Sample Amount : 0  
 ISTD Amount :

**Accura Analytical Laboratory, Inc.**

**MS/MSD Report**

Sample ID: 39897 MS/MSD  
 Operator: YGK  
 Data File: 032898\010F&011F  
 Method: 8081

Date Acquired: 3/29/98  
 Instrument ID: #1  
 Bottle #: 12&13  
 Matrix: Water

Compound	Expected Rec. (ppm)	MS Rec. (ppm)	MS % Recovery	MSD Rec. (ppm)	MSD % Recovery	Recovery Limits (%)*	MS Pass/Fail	MSD Pass/Fail	%RPD	%RPD Limit	Pass/Fail
Lindane	0.25	0.3	120%	0.305	122%	19 - 140	Pass	Pass	2%	< 20	Pass
Heptachlor	0.25	0.322	129%	0.333	133%	34 - 111	Fail	Fail	3%	< 20	Pass
Aldrin	0.25	0.27	108%	0.276	110%	42 - 122	Pass	Pass	2%	< 20	Pass
Dieldrin	0.25	0.341	136%	0.345	138%	36 - 146	Pass	Pass	1%	< 20	Pass
Endrin	0.25	0.381	152%	0.388	155%	30 - 147	Fail	Fail	2%	< 20	Pass
DDT	0.25	0.356	142%	0.347	139%	25 - 160	Pass	Pass	3%	< 20	Pass

\*Method limits from SW846 Method 8080. Inhouse limits to be developed.

Surrogates	Expected Rec. (ppm)	MS Rec. (ppm)	MS % Recovery	MSD Rec. (ppm)	MSD % Recovery	Recovery Limits (%)	MS Pass/Fail	MSD Pass/Fail
Tetrachloro-m-xylene	0.25	0.229	92%	0.232	93%	19 - 129	Pass	Pass
Decachlorobiphenyl	0.25	0.338	135%	0.317	127%	13 - 160	Pass	Pass

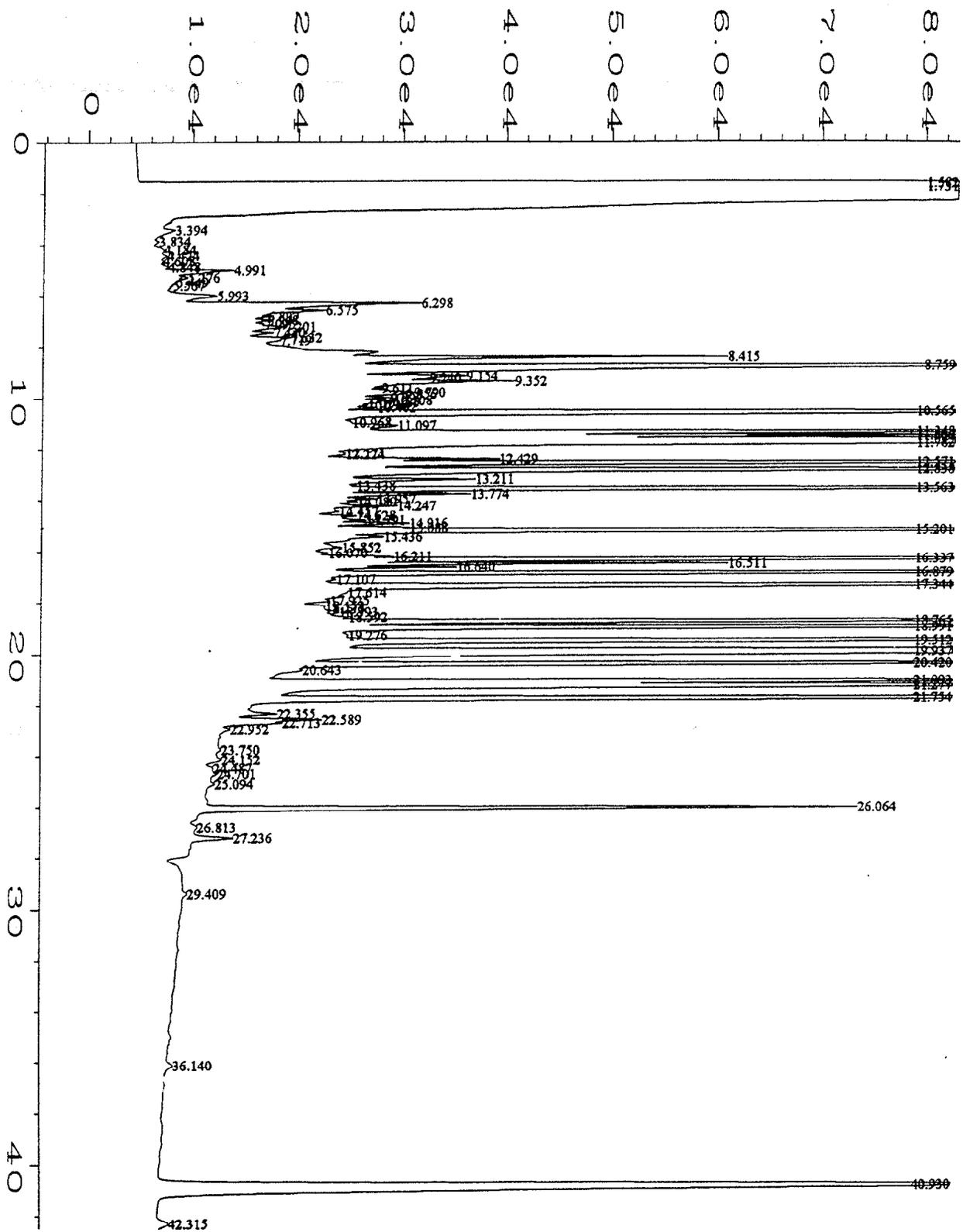
External Standard Report

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Data File Name      : C:\HPCHEM\1\DATA\032898\011F0101.D
Operator           : YGK                               Page Number      : 1
Instrument         : ANALYZER1                         Vial Number      : 11
Sample Name       : 39897 W MSD                       Injection Number  : 1
Run Time Bar Code :                                     Sequence Line    : 1
Acquired on      : 29 Mar 98 01:21 AM                 Instrument Method: 8081P.MTH
Report Created on: 30 Mar 98 02:22 PM                 Analysis Method  : 031898F.MTH
Last Recalib on  : 19 MAR 98 03:58 PM                 Sample Amount    : 0
Multiplier       : 1                                   ISTD Amount     :
  
```

Sig. 1 in C:\HPCHEM\1\DATA\032898\011F0101.D

Ret Time	Area	Type	Width	Ref#	ug/ml	Name
8.759	1150264	PV	0.083	1	0.232	TCMX (SURR)
10.565	2059744	VV	0.069	1	0.277	A-BHC
11.633	1941858	VV	0.068	1	0.305	LINDANE
11.782	1012440	VV	0.075	1	0.282	B-BHC
12.571	1452790	VV	0.065	1	0.333	HEPTACHLOR
12.838	1765893	VV	0.066	1	0.290	D-BHC
13.563	1721909	VV	0.070	1	0.276	ALDRIN
15.201	1679914	VV	0.068	1	0.296	HEPT. EPOXIDE
16.337	1633328	VV	0.067	1	0.317	ENDOSULFAN 1
16.879	1650300	VV	0.063	1	0.328	DDE
17.344	1913907	VV	0.074	1	0.345	DIELDRIN
18.765	1232321	VV	0.079	1	0.388	ENDRIN
18.991	1245396	VV	0.078	1	0.318	DDD
19.512	1610616	VV	0.087	1	0.330	ENDOSULFAN2
20.420	1135305	BV	0.083	1	0.347	DDT
21.093	732276	PV	0.102	1	0.211	ENDRIN ALDEHYDE
21.754	1297567	VV	0.102	1	0.285	ENDO. SULFATE
26.064	515222	VV	0.128	1	0.364	METHOXYCHLOR
27.236	44476	VV	0.157	1	0.0102	ENDRIN KETONE
40.930	1430178	BB	0.262	1	0.317	DCB (SURR)



Data File Name	: C:\HPCHEM\1\DATA\032898\011F0101.D	Page Number	: 1
Operator	: YGK	Vial Number	: 11
Instrument	: ANALYZER1	Injection Number	: 1
Sample Name	: 39897 W MSD	Sequence Line	: 1
Time Bar Code:		Instrument Method	: 8081P.MTH
Acquired on	: 29 Mar 98 01:21 AM	Analysis Method	: 031898F.MTH
Report Created on	: 30 Mar 98 02:22 PM	Sample Amount	: 0
Last Recalib on	: 19 MAR 98 03:58 PM	ISTD Amount	:
Multiplier	: 1		

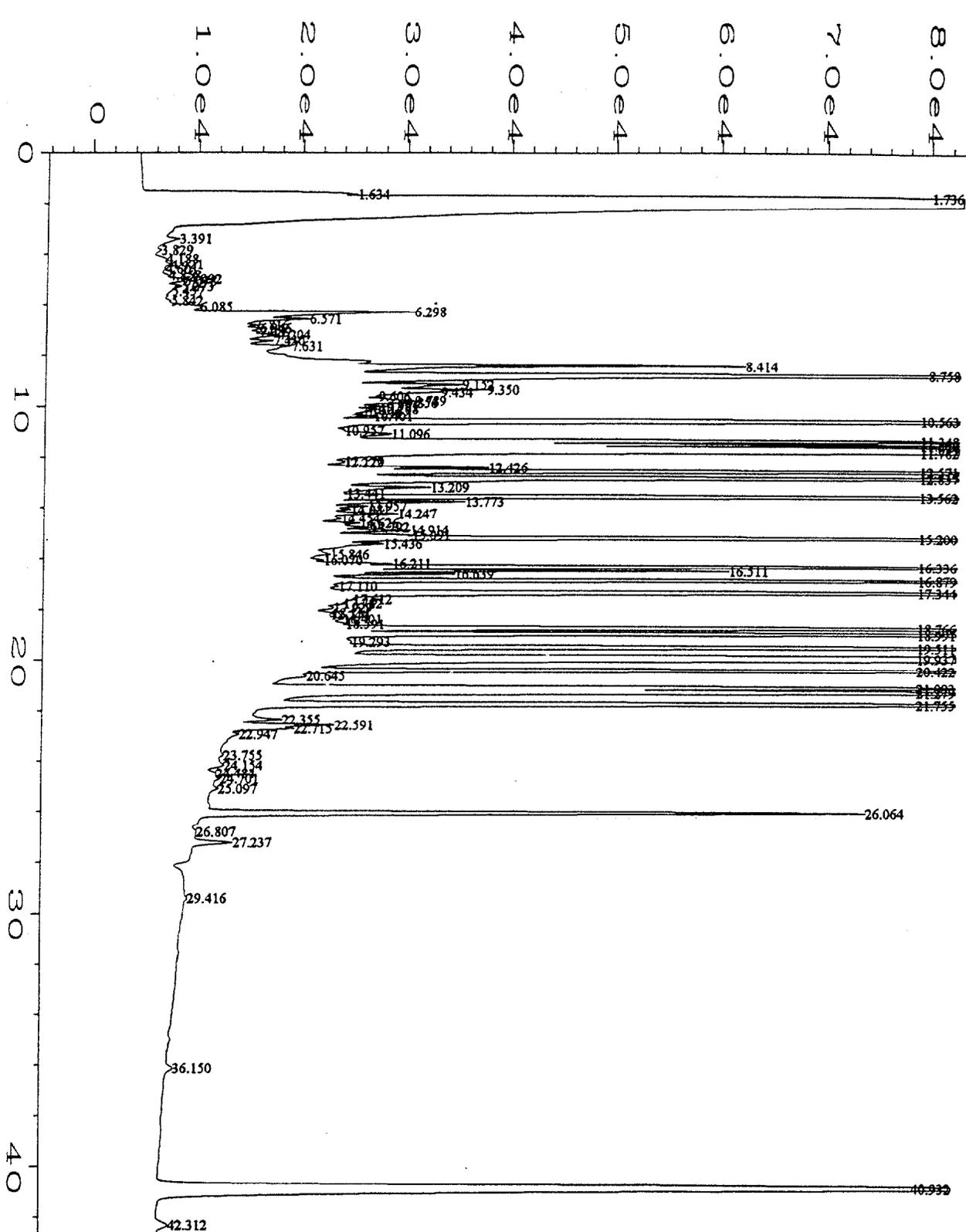
External Standard Report

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Data File Name      : C:\HPCHEM\1\DATA\032898\010F0101.D
Operator           : YGK
Instrument          : ANALYZER1
Sample Name        : 39897 W MS
Run Time Bar Code  :
Acquired on        : 29 Mar 98 00:35 AM
Report Created on  : 30 Mar 98 02:20 PM
Last Recalib on   : 19 MAR 98 03:58 PM
Multiplier         : 1
Page Number        : 1
Vial Number        : 10
Injection Number   : 1
Sequence Line      : 1
Instrument Method   : 8081P.MTH
Analysis Method    : 031898F.MTH
Sample Amount      : 0
ISTD Amount        :
  
```

Sig. 1 in C:\HPCHEM\1\DATA\032898\010F0101.D

Ret Time	Area	Type	Width	Ref#	ug/ml	Name
8.758	1134048	PV	0.079	1	0.229	TCMX (SURR)
10.563	2009228	VV	0.066	1	0.270	A-BHC
11.631	1913578	VV	0.066	1	0.300	LINDANE
11.782	985491	VV	0.071	1	0.274	B-BHC
12.571	1404880	VV	0.064	1	0.322	HEPTACHLOR
12.837	1771733	VV	0.065	1	0.291	D-BHC
13.562	1682120	VV	0.067	1	0.270	ALDRIN
15.200	1683837	VV	0.066	1	0.297	HEPT. EPOXIDE
16.336	1630233	VV	0.068	1	0.317	ENDOSULFAN 1
16.879	1642809	VV	0.062	1	0.327	DDE
17.344	1891345	VV	0.074	1	0.341	DIELDRIN
18.766	1210890	VV	0.078	1	0.381	ENDRIN
18.991	1223534	VV	0.077	1	0.313	DDD
19.511	1587592	VV	0.088	1	0.325	ENDOSULFAN2
20.422	1168745	BV	0.083	1	0.356	DDT
21.093	713750	PV	0.101	1	0.206	ENDRIN ALDEHYDE
21.755	1321651	VV	0.102	1	0.290	ENDO. SULFATE
26.064	522403	VV	0.129	1	0.369	METHOXYCHLOR
27.237	34702	VV	0.139	1	0.00792	ENDRIN KETONE
40.932	1519602	BB	0.262	1	0.338	DCB (SURR)



Data File Name : C:\HPCHEM\1\DATA\032898\010F0101.D  
 Operator : YGK  
 Instrument : ANALYZER1  
 Sample Name : 39897 W MS  
 Time Bar Code :  
 Acquired on : 29 Mar 98 00:35 AM  
 Report Created on : 30 Mar 98 02:20 PM  
 Last Recalib on : 19 MAR 98 03:58 PM  
 Multiplier : 1

Page Number : 1  
 Vial Number : 10  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method : 8081P.MTH  
 Analysis Method : 031898F.MTH  
 Sample Amount : 0  
 ISTD Amount :

**Cyani (waters)**  
EPA SW-846 9010B/9014

Date: 3-31-98  
Analyst: RL

Wavelength: 578nm  
Spike Witness: \_\_\_\_\_

Lot #'s: Cyanide Working Std: 25I  
Cyanide ICV Working Std: 25T  
NaOH 0.25N: 20L  
H<sub>2</sub>SO<sub>4</sub> 18N (1:1): 20F

Na<sub>2</sub>H<sub>2</sub>PO<sub>4</sub> Solution: 24J  
Chloramine-T Solution: 24I  
Pyridine/Barbituric Acid: 97-A669

Date 7-point curve generated: <u>3-19-98</u>							3-Point Curve: <u>3-31-98</u>					
Std Conc. (mg/L CN)	Blank	0.01	0.02	0.05	0.08	0.10	0.15	ICV 0.05	Blank	0.01	0.05	0.15
Absorbance								0.106	0.000	0.023	0.113	0.363
Calc. Conc (mg/L CN)					RL			0.045	<DL	0.0106	0.048	0.151
Standard %R (+/- 10%)								90	-	106	95	101
Correlation Coefficient									0.999			

#	AAL #	Sample Vol. (mL)	Dilution Factor		Absorbance	Result (mg/L CN')	RDL mg/L	Comments
			Initial	Mid				
1	40120	50	1:2		0.018	0.017		
2	40128	50	1:2		0.018	0.017		
3	40131	50	1:2		0.025	0.022		
4	40132	50	1:2		0.031	0.027		
5	40133	50	1:2		0.021	0.02		
6	40134	50	1:2		0.095	0.04		
7	39573	50 10 grams to 50	1:2:10	1:	0.001 * 10 = 0.01	<DL		
8			RL					
9			3-31-98					
10								
11								
12								
13								
14								
15								

QA/QC Samples

AAL#	Sample + Spike Amt	Absorbance	Conc. (mg/L)	%Recovery	Footnote	Comments
Blank	0.0	0.001				
LCS	0.05	0.105	0.044	90		
40120 MS	0.05	0.122	0.044	90	RPD = 80%	
40120 MSD	0.05	0.134	0.049	98		

Total Sulfides  
EPA 376.1

Date: 3-31-98  
 Working Sulfide Standard: 25H  
 ICV Sulfide Standard: -  
 Zinc Acetate Solution: -  
 Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 0.02500N: 97-A650  
                   0.010N: 98-A061  
 Date 6-Point Curve Generated: Reactive Sulfide

Analyst: RL  
 Starch Solution: 98-A057  
 I<sub>2</sub> 0.02500N: 97-A619  
 6N NaOH: -  
 1:1 HCl: 97-A476

lot #'s:

3-Point Curve:

Std. (mg/L)	Blank	1.0	2.0	5.0	8.0	10.0	ICV 5.0	Blank	1.0	5.0	10.0
titration (mL)											
Calc. Value (mg/L)			0.01N = 9.35								
Actual Value (mg/L)			0.0250N = 3.65								
% Recovery			0.400 = 0.390	RPD = 3%	RPD						
etc.											

AAL#	mL I <sub>2</sub>	Sample volume	Dilution	mL Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Calc. Value (mg/L)	Actual Value (mg/L)	QC
39573	10.00	50ml	1:4	9.95	0.124 = 0.4	<DL	4 mg/L = DL
10129	10.00	200	1	9.92	0.16	<DL	
10136	10.00	200	1	9.87	0.26	<DL	
10136MS	10.00	200+200spike	1	3.75	12.50	12.70	98% Recovery = 1% RPD
10136MSD	10.00	200+200spike	1	3.81	12.38	12.70	97% Recovery
Blank	10.00	—	1	9.98	<DL		
LCS	10.00	200 spike	1	3.71	12.58	12.70	99%

Calculation: mg S<sup>2-</sup>/L = 400(A-B) / mL sample, where:  
 A = mL 0.02500N I<sub>2</sub>  
 B = mL 0.02500N Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

# ACCURA ANALYTICAL LABORATORY, INC.

Environmental Analytical Services

## ICP Sample Run Log/ LCS Log

Std Lot #'s:  
 #1 T37A  
 #2 B  
 #3 C  
 #4 D  
 #8 E

ICV 1 Lot # T37F  
 ICV 2 Lot # G

QCS Lot #'s: QCS 19: 98-A105  
 for LCS: QCS 7: A104  
 MS, MSD: ICV Sn: A019

ICAP BATCH#: 032078A B  
MS 3-25-98

ICS A Lot # T37H  
 ICS AB Lot # F

SS I Lot # T37J  
 SS Ag Lot # K

Analyst: ECS  
 Date: 3-20-98

Method: 60103

Matrix: TCLP

Std	Dilution	Comment	AAU #	Dilution	Comment	AAU #	Dilution	Comment
STDS	-		39503	1:2				
ICB	-		39504					
PREP BLANK	1:2		39504D					
ICV1	-		39504MS					
ICSA	-		39504MSD					
IC SAB	-		ICV1	-				
SS I	-		ICB	-				
LCS030078A	1:2		390007SP	1:2				
39571			39571 50	1:10				
39573			39571 MS	1:4				
39573AD			ICV1	-				
39574			ICB	-				
39575			SS I	-				
39576			ICSA	-				
39577			IC SAB	-				
ICV1	-							
ICV1	-							
STD2	-							
ICB	-							
39577	1:2							
39571D								
39571MS								
39571MSD								
39572								

Dig. Batch	Analyte	Spike Amt	Range	Results	% Rec	Y/N
032078A	Pb	4.0	83-1104	7.81	95	Y
	As		82-115	3.84	96	
	Ba		82-116	3.53	88	
	Ca		83-109	3.73	93	
	Cr		85-105	2.72	93	
	Fe		86-111	3.93	98	
	Ag		80-110	2.55	89	Y

*cut 3/1/98*  
*needed to add metal*  
*rest of the*  
*on 3/31/98*  
*cut*  
*3/20/98*

ACCURA ANALYTICAL LABORATORY, INC.

Environmental Analytical Services

METALS QC REPORT

For Matrix Spikes

Analyst: SW  
 Date: 03-31-98  
 ICAP Batch #: 072098B

Method: \_\_\_\_\_  
 Matrix: \_\_\_\_\_  
 Units: \_\_\_\_\_

see p. 58

Project	Batch	Analysis	Sample Results	Sample Dup	%RPD	Pass (Y or N)	Spike Amt.	Range %	MS Results	MS % Rec.	Pass (Y or N)	MSD Results	MSD % Rec.	Pass (Y or N)	%RPD	Pass (Y or N)	Comments
39571	032098A	As	0.10	0.10	33	N*	4.0	11-112	3.86	93	Y	4.16	101	Y	8	Y	at matrix
		Pb	0.34	0.35	2.9	Y		72-124	4.06	93		4.19	96		3		
		Co	↓	↓	0	↓		71-104	2.43	86		3.65	91		6		
		Cr	↓	↓	↓	↓		80-112	3.74	99		3.94	99		5		
		Pb	0.97	0.95	26	N*		64-131	4.15	80		4.40	86		7		
		Co	↓	↓	0	Y		84-115	2.95	99		4.18	105		6		
		Ag	↓	↓	↓	↓		79-104	2.47	87	Y	3.61	90		3		
<p>see p. 3/31/98</p>																	

Reviewed By: \_\_\_\_\_

APPENDIX E

Chain-of-Custody



**OHM Remediation Services Corp**

Subsidiary of OHM Corporation  
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

**CHAIN-OF-CUSTODY RECORD**

PROJECT FILE CARD  
**206578**

FORM 0019 REV. 2-97

OHM's LAB COORDINATOR <b>Elena Rodriguez</b>	LAB COORDINATOR'S PHONE <b>770-734-8060</b>	LAB COORDINATOR'S FAX <b>770-453-7716</b>	LABORATORY SERVICE ID <b>Accura Analytical</b>	LABORATORY CONTACT <b>David Fuller</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Services</b>
PROJECT NAME <b>Camp Lejeune</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>H668</b>	LABORATORY PHONE <b>770 449-8800</b>	LABORATORY FAX	RECIPIENT NAME <b>Elena Rodriguez</b>
PROJECT CONTACT <b>Russell Henderson</b>	PROJECT PHONE NUMBER <b>910-451-2390</b>	PROJECT FAX <b>910-451-1809</b>	LABORATORY ADDRESS <b>6017 Financial Drive</b>		ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd. Camp Lejeune, NC</b>	CITY, STATE AND ZIPCODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIPCODE <b>Norcross, GA 30071</b>		CITY, STATE AND ZIPCODE <b>Norcross, GA 30092</b>
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>770-734-8072</b>	PROJECT MANAGER'S FAX <b>770-453-7743</b>			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	OC Level	T.A.T	Analyses							Comments	
									TCLP Pb	Full TCLP	RCI	Paint Filter	Total Pb				
1	CL151286 Rolloff #1	Soil	3/18/98	10:30	4°C	4	NEESA E	48hr	X								Please fax results to SITE & to Elena Rodriguez
2	CL151287 Rolloff #2	Soil	3/18/98	11:30	4°C	1	NEESA E	48hr	X								Hold 3 JARS OF Sample CL151286 For Full TCLP, RCI and Paint Filter Test until instructed to run test by Russell Henderson
3	CL151288 Rolloff #3	Soil	3/18/98	1300	4°C	1	NEESA E	48hr	X								
4	CL151289 Rolloff #4	Soil	3/18/98	1345	4°C	1	NEESA E	48hr	X								
5	CL151290 Rolloff #5	Soil	3/18/98	1435	4°C	1	NEESA E	48hr	X								
6	CL151291-FB Field Blank	Water	3/18/98	11:00	HMB	1	NEESA C	48hr	X			X					Total Pb only on CL151291-FB
7	CL151292 Rolloff #6	Soil	3/18/98	1515	4°C	1	NEESA E	48hr	X								
8	CL151293 Wall Composite 105, 104, 94	Soil	3/18/98	1530	4°C	1	NEESA E	48hr	X			X					CL151293 Total Pb Only
9	CL151294 Wall Composite 94, 91, 79, 74, 6	Soil	3/18/98	1540	4°C	1	NEESA E	48hr	X			X					CL151294 Total Pb Only
10																	

SAMPLES COLLECTED BY: <b>Russell Henderson</b>	COURIER AND AIR BILL NUMBER: <b>801960759764</b>	COOLER TEMPERATURE UPON RECEIPT:
RELINQUISHED BY: <b>[Signature]</b>	RECEIVED BY: <b>FED EX</b>	SAMPLE'S CONDITION UPON RECEIPT:
	DATE: <b>3/18/98</b>	
	TIME: <b>1600</b>	





# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

206596

FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR <b>Elena Rodriguez</b>	LAB COORDINATOR'S PHONE <b>770-734-8060</b>	LAB COORDINATOR'S FAX <b>770-453-7716</b>	LABORATORY SERVICE ID <b>Accura Analy David Fuller</b>	LABORATORY CONTACT <b>David Fuller</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Services</b>
PROJECT NAME <b>Montford P1</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19668</b>	LABORATORY PHONE <b>770-449-8800</b>	LABORATORY FAX	RECIPIENT NAME <b>Elena Rodriguez</b>
PROJECT CONTACT <b>Russell Henderson</b>	PROJECT PHONE NUMBER <b>910-451-2390</b>	PROJECT FAX <b>910-451-1809</b>	LABORATORY ADDRESS <b>6017 Financial Dr.</b>	ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>	
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd. Camp Lejeune, NC</b>	CITY, STATE AND ZIP CODE <b>LANTDIV</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Norcross, GA 30071</b>	CITY, STATE AND ZIP CODE <b>Norcross, GA 30092</b>	
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>770-734-8072</b>	PROJECT MANAGER'S FAX <b>770-453-7743</b>	Analyses Total Pb TCLP Pb		

Item	Sample Identifier	Matrix	Date	Time	Temp	Preserved	# of Cont	QC Level	T.A.T	Analyzes	Total Pb	TCLP Pb								Comments	
1	CL151295 Roll off #7	Soil	3/19/98	16:30	4°C	1	NEESA	E	48hr	X											Please fax results to SITE & to Elena Rodriguez
2	CL151296FB Field Blank	Water	3/20/98	0800	HNO <sub>3</sub>	1	NEESA	C	48hr	X											
3	CL151297 Roll off #8	Soil	3/20/98	0745	4°C	1	NEESA	E	48hr	X											
4	CL151298 Roll off #9	Soil	3/20/98	0845	4°C	1	NEESA	E	48hr	X											
5	CL151299 Roll off #10	Soil	3/20/98	1020	4°C	1	NEESA	E	48hr	X											
6	CL151300 Wall Comp #F 94, 81, 70, 49, 38	Soil	3/20/98	0900	4°C	1	NEESA	C	48hr	X											
7	CL151301 Wall Comp #F 47, 58, 73	Soil	3/20/98	0915	4°C	1	NEESA	C	48hr	X											
8	CL151302 Floor Comp #F 105, 104, 94, 81, 74	Soil	3/20/98	0930	4°C	1	NEESA	C	48hr	X											
9	CL151303 Wall Comp 58, 47, 56, 72	Soil	3/20/98	0945	4°C	1	NEESA	C	48hr	X											
10	CL151304 Floor Comp 88, 99, 70, 54, 75	Soil	3/20/98	1030	4°C	1	NEESA	C	48hr	X											

SAMPLE COLLECTED BY: <b>Russell Henderson</b>	COURIER AND AIR BILL NUMBER: <b>801960759753</b>	COOLER TEMPERATURE UPON RECEIPT:
RELINQUISHED BY: <b>Russell Henderson</b>	RECEIVED BY: <b>FED EX</b>	SAMPLE'S CONDITION UPON RECEIPT:
	DATE: <b>3/20/98</b>	TIME: <b>16:00</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



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## CHAIN-OF-CUSTODY RECORD

PROJECT FILE CARD

# 206598

FORM 0019 REV. 2-97

OHM's LAB COORDINATOR <b>Elena Rodriguez</b>	LAB COORDINATOR'S PHONE <b>770-734-8060</b>	LAB COORDINATOR'S FAX <b>770-453-7716</b>	LABORATORY SERVICE ID <b>Accura Analytical</b>	LABORATORY CONTACT <b>David Fuller</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Services</b>
PROJECT NAME: <b>Non Ford Point</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19668</b>	LABORATORY PHONE <b>770-449-8800</b>	LABORATORY FAX	RECIPIENT NAME <b>Elena Rodriguez</b>
PROJECT CONTACT <b>Russell Henderson</b>	PROJECT PHONE NUMBER <b>910-451-2390</b>	PROJECT FAX <b>910-451-1809</b>	LABORATORY ADDRESS <b>6017 Financial Drive</b>		ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd.</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Norcross GA 30071</b>		CITY, STATE AND ZIP CODE <b>Norcross, GA 30092</b>
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>770-734-8072</b>	PROJECT MANAGER'S FAX <b>770-453-7743</b>	Analyses Total Pb TCLP Pb		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	NEESA	OC Level	T.A.T	Comments
1	CL151315 Roll off # 13	Soil	3/23/98	1630	4°C	1	NEESA E	48hr	X	Please fax results to SITE & to Elena Rodriguez
2	CL151316FA Field Blank	Water					NEESA C		X	
3	CL151317 Comp Well 12, 41, 77, 95	Soil	3/23/98	1040	4°C		NEESA C		X	
4	CL151318 Comp Well 12, 41, 77, 95		3/23/98	1040			NEESA C		X	
5	CL151319 Comp Floor 9, 10, 11, 2, 18		3/23/98	1030			NEESA C		X	
6	CL151320 Comp Floor 9, 10, 11, 2, 18		3/23/98	1030			NEESA C		X	
7	CL151321 Roll off # 14		3/23/98	1100			NEESA E		X	
8	CL151322 Roll off # 15		3/23/98	1110			NEESA E		X	
9	CL151323 Comp Well 100, 97, 80		3/23/98	7:55			NEESA C		X	
10	<del>CL151324 Roll off # 16</del>									

SAMPLES COLLECTED BY: <b>Russell Henderson</b>	COURIER AND AIR BILL NUMBER: <b>80380914549-801960759720</b>	COOLER TEMPERATURE UPON RECEIPT:
RELINQUISHED BY: <b>[Signature]</b>	RECEIVED BY: <b>FED EX</b>	SAMPLE'S CONDITION UPON RECEIPT:
	DATE <b>3/23/98</b>	TIME <b>1600</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



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## CHAIN-OF-CUSTODY RECORD

PROJECT FILE CARD

# 206589

FORM 0019 REV. 2-97

OHM's LAB COORDINATOR <b>Elena Rodriguez</b>	LAB COORDINATOR'S PHONE <b>770-734-8060</b>	LAB COORDINATOR'S FAX <b>770-453-7716</b>	LABORATORY SERVICE ID <b>Accu-Analytical</b>	LABORATORY CONTACT <b>David Fuller</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Services</b>
PROJECT NAME: <b>Movaford Point</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19669</b>	LABORATORY PHONE <b>770-449-8800</b>	LABORATORY FAX	RECIPIENT NAME <b>Elena Rodriguez</b>
PROJECT CONTACT <b>Russell Henderson</b>	PROJECT PHONE NUMBER <b>910-451-2390</b>	PROJECT FAX <b>910-451-1809</b>	LABORATORY ADDRESS <b>6017 Financial Dr</b>		ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd.</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Norcross GA, 30071</b>		CITY, STATE AND ZIP CODE <b>Norcross, GA 30092</b>
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>770-734-8072</b>	PROJECT MANAGER'S FAX <b>770-453-7743</b>	Analyses <b>TOTAL Pb</b> <b>TCLP Pb</b>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Comments
1	CL151324 Roll off # 16	soil	3/21/98	7:30	40C	1	NEESA E	48h-	Please fax results to SITE & to Elena Rodriguez
2	CL151325 Roll off # 17	soil	3/21/98	7:25			E		
3	CL151326 Roll off # 18	soil	3/21/98	7:15			E		
4	CL151327 Roll off # 19	soil	3/21/98	7:40			E		
5	CL151328 44,34,29 Comp Wall	soil	3/21/98	8:10			C	X	
6	CL151329 30,43,53,64, Comp Wall	soil	3/21/98	8:20			C	X	
7	CL151330 64,53,62,18 Comp Wall	soil	3/21/98	7:50			C	X	
8	CL151331 62,30,43,53,64 Floor	soil	3/21/98	8:50			C	X	
9	CL151332 29,32,37,34,44	soil	3/21/98	9:00			C	X	
10	CL151333 FB Field Blank	Water	3/21/98	9:30	HMO's		C	X	

SAMPLES COLLECTED BY: <b>Ed Rogers</b>	COURIER AND AIR BILL NUMBER: <b>801960759720</b>	COOLER TEMPERATURE UPON RECEIPT:
RELINQUISHED BY: <b>Randy Smith</b>	RECEIVED BY: <b>Fed-x</b>	SAMPLE'S CONDITION UPON RECEIPT:
	DATE: <b>3/21/98</b>	TIME: <b>16:00</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager





# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

PROJECT FILE CARD

# 206585

FORM 0019 REV. 2-97

OHM's LAB COORDINATOR <b>Elena Rodriguez</b>	LAB COORDINATOR'S PHONE <b>770-734-8060</b>	LAB COORDINATOR'S FAX <b>770-453-7716</b>	LABORATORY SERVICE ID <b>Accura Analytical</b>	LABORATORY CONTACT <b>David Fuller</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Services</b>
PROJECT NAME <b>Montford Point</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19668</b>	LABORATORY PHONE <b>770-449-8800</b>	LABORATORY FAX	RECIPIENT NAME <b>Elena Rodriguez</b>
PROJECT CONTACT <b>Russell Henderson</b>	PROJECT PHONE NUMBER <b>910-451-2390</b>	PROJECT FAX <b>910-451-1809</b>	LABORATORY ADDRESS <b>6017 Financial Drive</b>	ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>	
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd. Camp Lejeune, NC</b>	CITY, STATE AND ZIP CODE <b>CAMP LEJEUNE, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Norcross GA 30071</b>	CITY, STATE AND ZIP CODE <b>Norcross, GA 30092</b>	
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>770-734-8072</b>	PROJECT MANAGER'S FAX <b>770-453-7743</b>	Analyses <b>ICLPP6</b>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Comments	
1	CL151344 COMP ALL WALLS	Soil	3/25/98	1350	48	1	NEESA C	48hr	X	Please fax results to SITE & to Elena Rodriguez
2	CL151345 COMP ALL FLOORS	↓	↓	1410	↓	↓	↓	↓	X	
3	CL151346 Roll off #20	↓	↓	1310	↓	↓	↓	↓	X	
4	CL151347 Roll off #21	↓	↓	1315	↓	↓	↓	↓	X	
5	CL151348 Roll off #22	↓	↓	1325	↓	↓	↓	↓	X	
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: <b>Russell Henderson</b>	COURIER AND AIR BILL NUMBER: <b>801960759710</b>	COOLER TEMPERATURE UPON RECEIPT:
RELINQUISHED BY: <b>[Signature]</b>	RECEIVED BY: <b>FED EX</b>	SAMPLE'S CONDITION UPON RECEIPT:
	DATE: <b>3/25/98</b>	TIME: <b>1600</b>













# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

Hydrologic

PROJECT DATA MANAGER'S COPY

205656

see page 1

FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR <b>Missy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID	LABORATORY CONTACT <b>Melanie Radabaugh</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>Pb Soil Removal</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19668</b>	LABORATORY PHONE <b>(419) 424-4948</b>	LABORATORY FAX <b>(419) 424-4998</b>	RECIPIENT NAME <b>Missy Art</b>
PROJECT CONTACT <b>Randy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <b>16406 U.S. Rte 24 East</b>	ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>	
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>	CITY, STATE AND ZIP CODE <b>Norcross, GA 30092</b>	
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8072</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>	Analyses Total Lead 16910		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses										Comments			
									Total Lead	Total Cd	Total Cr	Total Cu	Total Hg	Total Ni	Total Pb	Total Se	Total Zn	Total As		Total Mn	Total Fe	
1	CL151041	Soil	8/21/97	1628	✓	1	ACC-SP E	24 hrs.	✓													Soil from grid 21, 0-6"
2	CL151043		8/22/97	0820																		Soil from grid 22, 0-6"
3	CL151045			0830																		Soil from grid 23, 0-6"
4	CL151047			0836																		Soil from grid 24, 0-6"
5	CL151049			0847																		Soil from grid 25, 0-6"
6	CL151051			0855																		Soil from grid 26, 0-6"
7	CL151053			0900																		Soil from grid 27, 0-6"
8	CL151055			0905																		Soil from grid 28, 0-6"
9	CL151057			0910																		Soil from grid 29, 0-6"
10	CL151059			0925																		Soil from grid 30, 0-6"

SAMPLES COLLECTED BY <b>SSP/SSP</b>	COURIER AND AIR BILL NUMBER <b>FedEx 3665 344104</b>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <b>SSP/SSP</b>	RECEIVED BY <b>FedEx 3665 344104</b>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <b>8/22/97</b>	TIME <b>11:00</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



# OHM Remediation Services Corp

Subsidiary of OHM Corporation  
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## CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

205654

*Hydrologic*

*see page 1* FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR <b>Missy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID	LABORATORY CONTACT <b>Jelanda Radabaugh</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>Pb Soil Removal</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>17668</b>	LABORATORY PHONE <b>(419) 424-4943</b>	LABORATORY FAX <b>(419) 424-4998</b>	RECIPIENT NAME <b>Missy Art</b>
PROJECT CONTACT <b>Randy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(419) 451-1809</b>	LABORATORY ADDRESS <b>16406 U.S. Rte-224 East</b>		ADDRESS <b>5445 Triangle Pkwy. Ste 400</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>		CITY, STATE AND ZIP CODE <b>Worcross, GA 30092</b>
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8072</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>	<i>Analyses To be performed</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Comments
1	CL151021	soil	8/21/17	1430	✓	1	2.4	11:55	Soil from grid 13, 0-6"
2	CL151023			1436					Soil from grid 12, 0-6"
3	CL151025			1440					Soil from grid 13, 0-6"
4	CL151027			1450					Soil from grid 14, 0-6"
5	CL151029			1530					Soil from grid 17, 0-6"
6	CL151031			1535					Soil from grid 18, 0-6"
7	CL151033			1547					Soil from grid 12, 0-6"
8	CL151035			1600					Soil from grid 6, 0-6"
9	CL151037			1610					Soil from grid 19, 0-6"
10	CL151039	↓	↓	1620	↓	↓	↓	↓	Soil from grid 20, 0-6"

SAMPLES COLLECTED BY <b>SA/SSP</b>	COURIER AND AIR BILL NUMBER <b>FedEx 3665344104</b>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <b>S.S. P...pc</b>	RECEIVED BY <b>FedEx 3665344104</b>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <b>8/21/17</b>	TIME <b>1:50</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



# OHM Remediation Services Corp

Subsidiary of OHM Corporation

U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

## CHAIN-OF-CUSTODY RECORD

*1004*  
*Hazardous Waste*

PROJECT DATA MANAGER'S COPY

205653

FORM 0019 REV. 2/97

OHM'S LAB COORDINATOR <i>M. B. Art</i> <b>M. B. Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID <b>(770) 369-0630</b>	LABORATORY CONTACT <b>OHM-AD/111-1111</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>Ph Soil Removal</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19665</b>	LABORATORY PHONE <b>(419) 424-4943</b>	LABORATORY FAX <b>(419) 424-4998</b>	RECIPIENT NAME <i>Chanelle Blythe</i> <b>M. B. Art</b>
PROJECT CONTACT <b>Randy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <i>412 Mt. Hook Dr.</i> <b>16406 U.S. Rte 224 East</b>	ADDRESS <b>5445 Triangle Parkway</b>	
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <i>South 105</i> <b>Findlay, OH 45840-6111</b>	CITY, STATE AND ZIP CODE <b>Orcross, GA 30092</b>	
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8072</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>	<i>Analyses</i> <i>Total Lead, Cd, Pb</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses										Comments		
									1	2	3	4	5	6	7	8	9	10		11	12
1	CL 151 001	Soil	9/21/01	1035	✓	1	MEAN 24 E 11.5	✓													Soil from yard #1, 0-6"
2	CL 151 003			1040																	Soil from yard 2, 0-6"
3	CL 151 005			1050																	Soil from yard 3, 0-6"
4	CL 151 007			1120																	Soil from yard 4, 0-6"
5	CL 151 009			1135																	Soil from yard 5, 0-6"
6	CL 151 011			1155																	Soil from yard 6, 0-6"
7	CL 151 013			1200																	Soil from yard 7, 0-6"
8	CL 151 015			1205																	Soil from yard 8, 0-6"
9	CL 151 017			1412																	Soil from yard 9, 0-6"
10	CL 151 019			1420																	Soil from yard 10, 0-6"

SAMPLES COLLECTED BY: <b>SSP/SSP</b>	COURIER AND AIR BILL NUMBER: <b>FedEx 3665344104</b>	COOLER TEMPERATURE UPON RECEIPT:
RELINQUISHED BY: <b>SSP/SSP</b>	RECEIVED BY: <b>FedEx 3665344104</b>	SAMPLE'S CONDITION UPON RECEIPT:
	DATE: <b>9/22/01</b>	TIME: <b>1800</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

205660

FORM 0019 REV. 2-97

See page 1

OHM'S LAB COORDINATOR <b>Missy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID	LABORATORY CONTACT <b>Melanie Kadabaugh</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>Leach Site</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19658</b>	LABORATORY PHONE <b>(419) 424-4943</b>	LABORATORY FAX <b>(419) 424-4908</b>	RECIPIENT NAME <b>Missy Art</b>
PROJECT CONTACT <b>Randy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <b>16406 U.S. Rte 224 East</b>	LABORATORY ADDRESS <b>5715 Triangle Pkwy, Ste 400</b>	
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd Camp Lejeune, NC</b>	CITY, STATE AND ZIP CODE <b>LANTDIV</b>	CLIENT <b>Findlay, OH 45840</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>	CITY, STATE AND ZIP CODE <b>Waycross, GA 30092</b>	
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8072</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>	Analyses Total 1715, 6710		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses										Comments		
									1	2	3	4	5	6	7	8	9	10		11	12
1	CL151062	Soil	5/22/17	1758	✓	1	2.4	11.5	✓												Soil from point 31, 6/12
2	CL151064			1005																	Soil from point 32, 6/12
3	CL151066			1013																	Soil from point 33, 6/12
4	CL151068			1020																	Soil from point 34, 6/12
5	CL151070			1028																	Soil from point 35, 6/12
6	CL151072			1035																	Soil from point 36, 6/12
7	CL151045DP			0830																	Soil from Pb site
8	CL151072 DP			1035																	Soil from Pb site
9	CL151064 DP			1005	✓		✓	✓	✓	✓											Soil from Pb site
10																					

SAMPLES COLLECTED BY <b>SQ 15SP</b>	COURIER AND AIR BILL NUMBER <b>FedEx 3665344012</b>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <b>S.S. Prange, JPC</b>	RECEIVED BY <b>FedEx 3665344012</b>	SAMPLE CONDITION UPON RECEIPT
	DATE <b>5/22/17</b>	TIME <b>1800</b>



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

205657

FORM 0019 REV. 2-97

OHM LAB COORDINATOR <b>CLAUDE BIGHAM</b> <del>Htsby Art</del>	LAB COORDINATOR'S PHONE (770) 734-8060	LAB COORDINATOR'S FAX (770) 453-7716	LABORATORY SERVICE ID 7707362-0676	LABORATORY CONTACT 5577 192 HARRIS <del>Delante Kadabaugh</del>	MAIL REPORT (COMPANY NAME) OHM Remediation Corp.
PROJECT NAME <b>RD 5071 HARRIS</b>	PROJECT LOCATION Camp Lejeune	PROJECT NUMBER 19668	LABORATORY PHONE <del>(419) 424-4948</del>	LABORATORY FAX (419) 424-4998	RECIPIENT NAME <del>Htsby Art</del> CLAUDE BIGHAM
PROJECT CONTACT Randy Smith	PROJECT PHONE NUMBER (919) 451-2390	PROJECT FAX (919) 451-1809	LABORATORY ADDRESS 16406 U.S. Rte 224 East	LABORATORY ADDRESS 112 Oakbrook Ln	ADDRESS 5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb Blvd	CITY, STATE AND ZIP CODE Camp Lejeune, NC	CLIENT LANTDLY	CITY, STATE AND ZIP CODE Findlay, OH 45840	CITY, STATE AND ZIP CODE Northcross, GA 30092	CITY, STATE AND ZIP CODE
PROJECT MANAGER J. Jim Dunn	PROJECT MANAGER'S PHONE (770) 734-8072	PROJECT MANAGER'S FAX (770) 453-7743	Analyses Total Phosph		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Comments
1	CL151042	Soil	8/21/97	1630	✓	1	MEET E	24 hr	Soil from grid 21, 6-12
2	CL151044		8/22/97	0823					Soil from grid 22, 6-12
3	CL151046			0833					Soil from grid 23, 6-12
4	CL151048			0831					Soil from grid 24, 6-12
5	CL151050			0850					Soil from grid 25, 6-12
6	CL151052			0858					Soil from grid 26, 6-12
7	CL151054			0903					Soil from grid 27, 6-12
8	CL151056			0905					Soil from grid 28, 6-12
9	CL151058			0915					Soil from grid 29, 6-12
10	CL151060		8/27/97		✓	✓	✓	✓	Soil from grid 30, 6-12

SAMPLES COLLECTED BY SQ/SSP	COURIER AND AIR BILL NUMBER FedEx 3665344012	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY S.S. [Signature]	RECEIVED BY F. [Signature]	SAMPLE'S CONDITION UPON RECEIPT
	DATE 8/27/97	TIME 1500



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY  
**205692**

FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR <b>Missy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID <b>770-368-0678</b>	LABORATORY CONTACT <b>151-01-1640 RB Melanie Rebraugh</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>RB 5071</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>17668</b>	LABORATORY PHONE <b>(419) 424-4943</b>	LABORATORY FAX <b>(419) 453-4978</b>	RECIPIENT NAME <b>44999 Art Camp Lejeune</b>
PROJECT CONTACT <b>Randy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <b>16406 U.S. Rte 224 East</b>	LABORATORY CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>	ADDRESS <b>5445 Triangle Pkwy, Ste 400 Norcross, GA 30092</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>			
PROJECT MANAGER <b>Jira Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8072</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>			

Item	Sample Identifier	Matrix	Date		Time	Preserved	# of Cont	QC Level	T.A.T	Analyses <i>Tota Pb, Cd</i>									Comments
			Start	End															
1	CL 151022	soil	8/21/17	1432	✓	1	MESA	24	✓										Soil from grid 13, 6-12
2	CL 151024			1438															Soil from grid 14, 6-12
3	CL 151026			1444															Soil from grid 15, 6-12
4	CL 151028			1452															Soil from grid 16, 6-12
5	CL 151030			1532															Soil from grid 17, 6-12
6	CL 151032			1538															Soil from grid 18, 6-12
7	CL 151034			1550															Soil from grid 12, 6-12
8	CL 151036			1605															Soil from grid 16, 6-12
9	CL 151038			1615															Soil from grid 19, 6-12
10	CL 151040			1625	✓	✓	✓	✓	✓										Soil from grid 20, 6-12

SAMPLES COLLECTED BY <b>SR/SSP</b>	COURIER AND AIR BILL NUMBER <b>FedEx 3665344012</b>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <b>S.S. Pr...</b>	RECEIVED BY <b>FedEx 3665344012</b>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <b>8/22/17</b>	TIME <b>1600</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

Hydrologic

FORM 1 - ENVIRONMENTAL MANAGEMENT COPY

205693

FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR <b>Missy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID <b>23-368-268</b>	LABORATORY CONTACT <b>Delante Padabough</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>L-B SOZ/</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19668</b>	LABORATORY PHONE <b>(419) 424-4948</b>	LABORATORY FAX <b>(419) 424-4908</b>	RECIPIENT NAME <b>LANTDIV</b>
PROJECT CONTACT <b>Wandy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <b>11112 Oak Brook Dr</b>	LABORATORY ADDRESS <b>11112 Oak Brook Dr</b>	ADDRESS <b>5645 Tinsdale Pkwy, Ste 400</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>	CITY, STATE AND ZIP CODE <b>Moreno, CA 90002</b>
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8012</b>	PROJECT MANAGER'S FAX <b>(770) 453-7143</b>	Analyses Total Pb/6"AD		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Comments
1	CL151002	Soil	8/21/17	1033	✓	1	MEISS 24	11/17	Soil from grid 1, 6 12"
2	CL151004			1045					Soil from grid 2, 6 12"
3	CL151006			1105					Soil from grid 3, 6 12"
4	CL151008			1125					Soil from grid 4, 6 12"
5	CL151010			1140					Soil from grid 5, 6 12"
6	CL151012			1158					Soil from grid 6, 6 12"
7	CL151014			1205					Soil from grid 7, 6 12"
8	CL151016			1410					Soil from grid 8, 6 12"
9	CL151018			1414					Soil from grid 9, 6 12"
10	CL151020			1422					Soil from grid 10, 6 12"

SAMPLES COLLECTED BY: <b>SO/SSP</b>	COURIER AND AIR BILL NUMBER: <b>FedEx 3665344012</b>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY: <b>S. S. Pasamppe</b>	RECEIVED BY: <b>FedEx 3665344012</b>	SAMPLE'S CONDITION UPON RECEIPT
	DATE: <b>8/21/17</b>	
	TIME: <b>1:50</b>	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Requested analysis because 0.6" is 7270 mg/kg.



**OHM Remediation Services Corp**

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U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

**CHAIN-OF-CUSTODY RECORD**

*Hydrologic*

PROJECT DATA MANAGER'S COPY

**205684**

FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR <i>Claudia Bigham</i>	LAB COORDINATOR'S PHONE <i>(770) 734-8060</i>	LAB COORDINATOR'S FAX <i>(770) 453-7716</i>	LABORATORY SERVICE ID <i>770-368-0630</i>	LABORATORY CONTACT <i>Janice Radabaugh</i>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <i>PB 501</i>	PROJECT LOCATION <i>Camp Lejeune</i>	PROJECT NUMBER <i>19668</i>	LABORATORY PHONE <del><i>(419) 423-3526</i></del>	LABORATORY FAX <del><i>(419) 423-3526</i></del>	RECIPIENT NAME <i>Claudia Bigham</i>
PROJECT CONTACT <i>Randy Smith</i>	PROJECT PHONE NUMBER <i>(910) 451-2390</i>	PROJECT FAX <i>(910) 451-1809</i>	LABORATORY ADDRESS <i>16406 U.S. Rte 224 East</i>	ADDRESS <i>5445 Triangle Pkwy, Ste 400</i>	
PROJECT ADDRESS <i>Lot 203 Holcomb Blvd</i>	CITY, STATE AND ZIP CODE <i>Camp Lejeune, NC</i>	CLIENT <i>LANTDIV</i>	CITY, STATE AND ZIP CODE <i>Findlay, OH 45840</i>	CITY, STATE AND ZIP CODE <i>Morcross, GA 30092</i>	
PROJECT MANAGER <i>Jim Dunn</i>	PROJECT MANAGER'S PHONE <i>(770) 734-8072</i>	PROJECT MANAGER'S FAX <i>(770) 453-7743</i>	<i>Analyses</i> <i>TOTAL Pb 6010</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses										Comments			
									1	2	3	4	5	6	7	8	9	10		11	12	
1	<i>CL151086 DP</i>	<i>SOIL</i>	<i>8/27/1677</i>	<i>NO</i>	<i>1</i>	<i>E</i>	<i>24hr</i>	<i>X</i>													<i>GR10 43 6-12</i>	
2	<i>CL151087 DP</i>	<i>SOIL</i>	<i>8/27/1678</i>	<i>NO</i>	<i>1</i>	<i>E</i>	<i>24hr</i>	<i>X</i>													<i>GR10 44 0-6</i>	
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

SAMPLES COLLECTED BY <i>sq</i>	COURIER AND AIR BILL NUMBER <i>3665244060</i>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <i>Randy Smith</i>	RECEIVED BY <i>FED EX</i>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <i>8/27/1800</i>	TIME

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



**OHM Remediation Services Corp**

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U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

**CHAIN-OF-CUSTODY RECORD**

*HYDROLOGIC*

PROJECT DATA MANAGER'S COPY

**205683**

FORM 0019 REV. 2/97

OHM'S LAB COORDINATOR <i>Cherise Asham</i>	LAB COORDINATOR'S PHONE <i>(770) 734-8060</i>	LAB COORDINATOR'S FAX <i>(770) 453-7716</i>	LABORATORY SERVICE ID <i>770-368-0680</i>	LABORATORY CONTACT <i>Chris Richards</i>	MAIL REPORT (COMPANY NAME) <i>OHM Remediation Corp.</i>
<del>Henry Art</del>	PROJECT LOCATION <i>Camp Lejeune</i>	PROJECT NUMBER <i>19668</i>	LABORATORY PHONE <del>(419) 423-4070</del>	LABORATORY FAX <del>(419) 423-4098</del>	RECIPIENT NAME <i>Tracy A. Culic-Bishop</i>
PROJECT NAME <i>P.S. 1</i>	PROJECT PHONE NUMBER <i>(910) 451-2390</i>	PROJECT FAX <i>(910) 451-1809</i>	LABORATORY ADDRESS <i>16406 U.S. Rte 224 East</i>	ADDRESS <i>5445 Triunfo Pkwy, Ste 400</i>	
PROJECT CONTACT <i>Randy Smith</i>	CITY, STATE AND ZIP CODE <i>Findlay, OH 45840</i>	CLIENT <i>LANDDIV</i>	CITY, STATE AND ZIP CODE <i>Findlay, OH 45840</i>	CITY, STATE AND ZIP CODE <i>Moreno, CA 90002</i>	
PROJECT ADDRESS <i>Lot 203 Holcomb Blvd</i>	PROJECT MANAGER'S PHONE <i>(770) 734-8072</i>	PROJECT MANAGER'S FAX <i>(770) 453-7743</i>	<i>Analyses Total 19668010</i>		
PROJECT MANAGER <i>Jim Dunn</i>					

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyzes										Comments
1	CL151073	Soil	12/14/07	1541	NO	1	E	24h	X										Grid 37 0-6
2	CL151075	Soil	12/14/07	1555	NO	1	F	24h	X										Grid 38 0-6
3	CL151077	Soil	12/14/07	1604	NO	1	E	24h	X										Grid 39 0-6
4	CL151079	Soil	12/14/07	1605	NO	1	E	24h	X										Grid 40 0-6
5	CL151081	Soil	12/14/07	1615	NO	1	F	24h	X										Grid 41 0-6
6	CL151083	Soil	12/14/07	1619	NO	1	E	24h	X										Grid 42 0-6
7	CL151085	Soil	12/14/07	1625	NO	1	F	24h	X										Grid 43 0-6
8	CL151087	Soil	12/14/07	1628	NO	1	E	24h	X										Grid 44 0-6
9	CL151089	Soil	12/14/07	1633	NO	1	E	24h	X										Grid 45 0-6
10	CL151091	Soil	12/14/07	1640	NO	1	F	24h	X										Grid 46 0-6

SAMPLES COLLECTED BY <i>SR</i>	COURIER AND AIR BILL NUMBER <i>3665344060</i>	COOLER TEMPERATURE UPON RECEIPT
RELIQUISHED BY <i>Randy Smith</i>	RECEIVED BY <i>Tracy X</i>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <i>5/27/07</i>	TIME <i>18:00</i>

HOLD UNTIL NOTIFIED



**OHM Remediation Services Corp**

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**CHAIN-OF-CUSTODY RECORD**

PROJECT ID VIA MANAGER'S COPY

205682

FORM 0019 REV. 2.97

OHM'S LAB COORDINATOR <i>Claudia B. Shaw</i> <i>Missy Art</i>	LAB COORDINATOR'S PHONE (770) 734-8060	LAB COORDINATOR'S FAX (770) 453-7716	LABORATORY SERVICE ID 276-368-0636	LABORATORY CONTACT <i>Melanie Radabaugh</i>	MAIL REPORT (COMPANY NAME) OHM Remediation Corp.
PROJECT NAME <i>PB Soil</i>	PROJECT LOCATION Camp Lejeune	PROJECT NUMBER 17668	LABORATORY PHONE (419) 424-4943	LABORATORY FAX (419) 424-4996	RECIPIENT NAME <i>Claudia B. Shaw</i>
PROJECT CONTACT Randy Smith	PROJECT PHONE NUMBER (910) 451-2390	PROJECT FAX (910) 451-1809	LABORATORY ADDRESS 16406 U.S. Rte 224 East		ADDRESS 5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb Blvd	CITY, STATE AND ZIP CODE Camp Lejeune, NC	CLIENT LANTDIV	CITY, STATE AND ZIP CODE Findlay, OH 45840		CITY, STATE AND ZIP CODE Norcross, GA 30092
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S PHONE (770) 734-3012	PROJECT MANAGER'S FAX (770) 453-7743	Analyses To: <i>Pb, 6010</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Comments	
1	CL151074 ✓	Soil	5/27/97	1544	No	1	E	24h	X	Cont 37 6-12
2	CL151076 ✓	Soil	5/27/97	1558	No	1	E	24h	X	Cont 38 6-12
3	CL151078 ✓	Soil	5/27/97	1605	No	1	E	24h	X	Cont 39 6-12
4	CL151080 ✓	Soil	5/27/97	1611	No	1	E	24h	X	Cont 40 6-12
5	CL151082 ✓	Soil	5/27/97	1617	No	1	E	24h	X	Cont 41 6-12
6	CL151084 ✓	Soil	5/27/97	1622	No	1	E	24h	X	Cont 42 6-12
7	CL151086 ✓	Soil	5/27/97	1627	No	1	E	24h	X	Cont 43 6-12
8	CL151088 ✓	Soil	5/27/97	1630	No	1	E	24h	✓	Cont 44 6-12
9	CL151090 ✓	Soil	5/27/97	1635	No	1	E	24h	X	Cont 45 6-12
10	CL151092 ✓	Soil	5/27/97	1642	No	1	E	24h	X	Cont 46 6-12

SAMPLES COLLECTED BY <i>SG</i>	COURIER AND AIR BILL NUMBER <i>3665344060</i>	COOLER TEMPERATURE UPON RECEIPT			
RELINQUISHED BY <i>Randy Smith</i>	RECEIVED BY <i>Fed-X</i>	DATE <i>5/27/97</i>	TIME <i>18:00</i>	SAMPLE'S CONDITION UPON RECEIPT	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

✓ 0.6" came out hot 2270 mg/kg, request rat analysis on these  
SO



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## CHAIN-OF-CUSTODY RECORD

*Hydrologic*

PROJECT DATA MANAGER'S COPY

205687

FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR <b>Missy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID	LABORATORY CONTACT <b>Jelanie Radabaugh</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>Pb Soil Removal</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19668</b>	LABORATORY PHONE <b>(419) 424-4943</b>	LABORATORY FAX <b>(419) 424-4998</b>	RECIPIENT NAME <b>Missy Art</b>
PROJECT CONTACT <b>Randy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <b>16406 U.S. Rte 224 East</b>		ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>		CITY, STATE AND ZIP CODE <b>Norcross, GA 30092</b>
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8072</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>	<i>Analyses Total 176/610</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Comments
1	CL 151122	Soil	7/3/97	1350	✓	1	E	24 hr	Grid 28 12-18"
2	CL 151123	↓	↓	1400	↓	↓	↓	↓	Grid 29 12-18"
3	CL 151124	↓	↓	1405	↓	↓	↓	↓	Grid 30 12-18"
4	CL 151125	↓	↓	1201	↓	↓	↓	↓	Grid 33 12-18"
5	CL 151126	↓	↓	1353	↓	↓	↓	↓	Grid 34 12-18"
6									
7									
8									
9									
10									

SAMPLES COLLECTED BY <b>K.S. SSP</b>	COURIER AND AIR BILL NUMBER <b>FedEx 3665343986</b>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <b>S.S. P... 2/98</b>	RECEIVED BY <b>FedEx 3665343986</b>	DATE <b>11/3/97</b>
	TIME <b>1400</b>	SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



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## CHAIN-OF-CUSTODY RECORD

*Hydrologic*

PROJECT DATA MANAGER'S COPY

*Sheet 1* **205686**

FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR <b>Hissy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID	LABORATORY CONTACT <b>Jelanie Radabaugh</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <i>Pls Soil Removal</i>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>17668</b>	LABORATORY PHONE <b>(419) 424-4943</b>	LABORATORY FAX <b>(419) 424-4993</b>	RECIPIENT NAME <b>Hissy Art</b>
PROJECT CONTACT <b>Randy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <b>16406 U.S. Rte 224 East</b>		ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>		CITY, STATE AND ZIP CODE <b>Lawrence, GA 30092</b>
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8072</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>	<i>Analyses Total 76,6010</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Comments
1	CL 151113	Soil	7/3/17	1355	✓	1	E	24 hr	Soil 4 12-18"
2	CL 151114			1358					Soil 10 12-18"
3	CL 151115			1355					Soil 11 12-15"
4	CL 151115DP			1355					Soil
5	CL 151116			1135					Soil 15 12-18"
6	CL 151117			1340 1218 sp					Soil 16 12-18"
7	CL 151118			1410					Soil 19 12-13"
8	CL 151119			1135					Soil 21 12-18"
9	CL 151120			1345					Soil 22 12-18"
10	CL 151121	✓	✓	1150	✓	✓	✓	✓	Soil 27 12-18"

SAMPLES COLLECTED BY <i>RS/SSP</i>	COURIER AND AIR BILL NUMBER <i>101-3665343736</i>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <i>J. S. Taylor</i>	RECEIVED BY <i>T. S. Taylor</i>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <i>7/3/17</i>	TIME <i>1800</i>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

Hydrologic

11/17/07

PROJECT DATA MANAGER'S COPY

### 205685

FORM 0019 REV. 2.97

OHM'S LAB COORDINATOR <i>Missy Art</i>	LAB COORDINATOR'S PHONE (770) 734-8060	LAB COORDINATOR'S FAX (770) 453-7716	LABORATORY SERVICE ID	LABORATORY CONTACT <i>Melanie Radabaugh</i>	MAIL REPORT (COMPANY NAME) OHM Remediation Corp.
PROJECT NAME <i>76 Soil Remed</i>	PROJECT LOCATION Camp Lejeune	PROJECT NUMBER <i>17668</i>	LABORATORY PHONE (419) 424-4948	LABORATORY FAX (419) 424-4998	RECIPIENT NAME <i>Missy Art</i>
PROJECT CONTACT <i>Randy Smith</i>	PROJECT PHONE NUMBER (910) 451-2390	PROJECT FAX (910) 451-1809	LABORATORY ADDRESS <i>1415 Oak Street</i>	LABORATORY ADDRESS 16406 U.S. Rte 224 East	ADDRESS 5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb Blvd	CITY, STATE AND ZIP CODE Camp Lejeune, NC	CLIENT LANTDIV	CITY, STATE AND ZIP CODE Findlay, OH 45840	CITY, STATE AND ZIP CODE Findlay, OH 45840	CITY, STATE AND ZIP CODE Norcross, GA 30092
PROJECT MANAGER <i>Jim Dunn</i>	PROJECT MANAGER'S PHONE (770) 734-8072	PROJECT MANAGER'S FAX (770) 453-7743	Analyses <i>1/6 7/1/07 601</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses										Comments		
									1	2	3	4	5	6	7	8	9	10		11	12
1	CL151093	Soil	9/31/07	725	✓	1	E	24													Soil 17 0.6"
2	CL151095			730																	Soil 18 0.6"
3	CL151097			732																	Soil 49 0.6"
4	CL151099			738																	Soil 50 0.6"
5	CL151101			743																	Soil 51 0.6"
6	CL151103			750																	Soil 52 0.6"
7	CL151105			755																	Soil 53 0.6"
8	CL151107			1000																	Soil 54 0.6"
9	CL151109			1005																	Soil 55 0.6"
10	CL151112	Soil	11/17/07	1128	↓	↓	↓	↓	↓												Soil 3 12-18"

SAMPLES COLLECTED BY <i>OSP/KCS</i>	COURIER AND AIR BILL NUMBER <i>Fedex 36653413986</i>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <i>OSP/KCS</i>	RECEIVED BY <i>Fedex 36653413986</i>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <i>11/17/07</i>	TIME <i>1200</i>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

*Hypologic*

PROJECT DATA MANAGER'S COPY

205688

*Winn Richard* *see p 76*

FORM 0019 REV. 2/97

OHM'S LAB COORDINATOR <b>Missy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID	LABORATORY CONTACT <b>Helaine Radabaugh</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>Ph soil removal</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19668</b>	LABORATORY PHONE <b>(419) 424-4948</b>	LABORATORY FAX <b>(419) 424-4998</b>	RECIPIENT NAME <b>Missy Art</b>
PROJECT CONTACT <b>Kandy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <b>16406 U.S. Rte 224 East</b>		ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>		CITY, STATE AND ZIP CODE <b>Northcross, GA 30092</b>
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8072</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>	Analyses <i>7/14/12 Ph, 6/10/12</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	OC Level	T.A.T	Analyses										Comments				
									1	2	3	4	5	6	7	8	9	10		11	12		
1	CL 151074	Soil	11/31/07	0928	✓	1	NEEST E	24 112														Soil 14 6-12	
2	CL 151076			0931																			Soil 15 6-12
3	CL 151100			0940																			Soil 50 6-12
4	CL 151102			0945																			Soil 51 6-12
5	CL 151104			0953																			Soil 52 6-12
6	CL 151106			0958																			Soil 53 6-12
7	CL 151108			1005																			Soil 54 6-12
8	CL 151078			0934																			Soil 49 6-12
9	CL 151110			1010																			Soil 55 6-12
10	CL 151111			0953																			Soil Ph site 6-12

SAMPLES COLLECTED BY <b>KS/SSP</b>	COURIER AND AIR BILL NUMBER <b>1-100-3665343975</b>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <b>S.S. Thompson</b>	RECEIVED BY <b>1-100-3665343975</b>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <b>7/5/11</b>	TIME <b>1500</b>



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## CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

205696

FORM 0019 REV. 2-97

*Hydrologic*

OHM LAB COORDINATOR <i>Clayton Bisher</i> <i>Missy Art</i>	LAB COORDINATOR'S PHONE (770) 734-8060	LAB COORDINATOR'S FAX (770) 453-7716	LABORATORY SERVICE ID	LABORATORY CONTACT <i>Melanie Padabaugh</i>	MAIL REPORT (COMPANY NAME) <i>OHM Remediation Corp.</i>
PROJECT NAME <i>Pb soil removal</i>	PROJECT LOCATION <i>Camp Lejeune</i>	PROJECT NUMBER <i>10606</i>	LABORATORY PHONE <del>(419) 423-3943</del>	LABORATORY FAX <del>(419) 423-3998</del>	RECIPIENT NAME <i>Missy Art Clayton Bisher</i>
PROJECT CONTACT <i>Randy Smith</i>	PROJECT PHONE NUMBER (910) 451-2390	PROJECT FAX (910) 451-1809	LABORATORY ADDRESS <i>16406 U.S. Rte 224 East</i>	LABORATORY ADDRESS <i>16406 U.S. Rte 224 East</i>	ADDRESS <i>3465 Triangle Pkwy, Ste 400</i>
PROJECT ADDRESS <i>Lot 203 Holcomb Blvd</i>	CITY, STATE AND ZIP CODE <i>Camp Lejeune, NC</i>	CLIENT <i>LANTDIV</i>	CITY, STATE AND ZIP CODE <i>Findlay, OH 45840</i>	CITY, STATE AND ZIP CODE <i>Findlay, OH 45840</i>	CITY, STATE AND ZIP CODE <i>Norcross, GA 30092</i>
PROJECT MANAGER <i>Jim Dunn</i>	PROJECT MANAGER'S PHONE (770) 734-8072	PROJECT MANAGER'S FAX (770) 453-7743	<i>Analyses Pb 167 600</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Comments
1	<i>CL 151 165</i>	<i>Soil</i>	<i>7/10/97</i>	<i>1335</i>	<i>No</i>	<i>1</i>	<i>L</i>	<i>24 118</i>	<i>Grid 66 0-6</i>
2	<i>CL 151 167</i>			<i>1150</i>				<i>24 118</i>	<i>Grid 67 0 6</i>
3	<i>CL 151 169</i>			<i>1140</i>				<i>24 118</i>	<i>Grid 68 0 6</i>
4	<i>CL 151 171</i>			<i>1130</i>				<i>24 118</i>	<i>Grid 69 0 6</i>
5	<i>CL 151 173</i>			<i>1105</i>				<i>24 118</i>	<i>Grid 70 0 6</i>
6	<i>CL 151 175</i>			<i>1141</i>				<i>24 118</i>	<i>Grid 71 0 6</i>
7	<i>CL 151 153 DI</i>			<i>1355</i>				<i>24 118</i>	<i>Grid soils</i>
8									<i>Grid</i>
9									<i>Grid</i>
10									<i>Grid</i>

SAMPLES COLLECTED BY <i>RD</i>	COURIER AND AIR BILL NUMBER <i>FedEx 3662915045</i>	CARRIER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <i>Randy Smith</i>	RECEIVED BY <i>Fed-X</i>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <i>7/10/97</i>	TIME <i>15:00</i>



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

### 205661

FORM 0019 REV. 2/97

*Hydrologic*

OHM'S LAB COORDINATOR <i>Claudia Bishan</i>	LAB COORDINATOR'S PHONE <i>(770) 734-8060</i>	LAB COORDINATOR'S FAX <i>(770) 453-7716</i>	LABORATORY SERVICE ID	LABORATORY CONTACT <i>Terrence Radabaugh</i>	MAIL REPORT (COMPANY NAME) <i>OHM Remediation Corp.</i>
PROJECT NAME <i>Pb Soil Removal</i>	PROJECT LOCATION <i>Camp Lejeune</i>	PROJECT NUMBER <i>17668</i>	LABORATORY PHONE <i>(419) 423-7048</i>	LABORATORY FAX <i>(419) 423-7998</i>	RECIPIENT NAME <i>Terrence Radabaugh</i>
PROJECT CONTACT <i>Randy Smith</i>	PROJECT PHONE NUMBER <i>(910) 451-2390</i>	PROJECT FAX <i>(910) 451-1809</i>	LABORATORY ADDRESS <i>16406 U.S. Rte 224 East</i>		ADDRESS <i>5445 Triangle Pkwy. Ste 400</i>
PROJECT ADDRESS <i>Lot 203 Holcomb Blvd</i>	CITY, STATE AND ZIP CODE <i>Camp Lejeune, NC</i>	CLIENT <i>LAFTDIV</i>	CITY, STATE AND ZIP CODE <i>Findlay, OH 45840</i>		CITY, STATE AND ZIP CODE <i>Norcross, GA 30092</i>
PROJECT MANAGER <i>Jim Dunn</i>	PROJECT MANAGER'S PHONE <i>(770) 734-8072</i>	PROJECT MANAGER'S FAX <i>(770) 453-7743</i>	<i>Analyses Pb Total / 6610</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Comments
1	CL151145	Soil	7/16/97	1420	No	1	24 118	✓	Grid S6 0.6
2	CL151147		1415				24 118		Grid S1 0.6
3	CL151149		1410				24 118		Grid S7 S8 0.6
4	CL151151		1400				24 118		Grid S9 0.6
5	CL151153		1355				24 118		Grid 60 0.6
6	CL151155		1350				24 118		Grid 61 0.6
7	CL151157		1342				24 118		Grid 62 0.6
8	CL151159		1348				24 118		Grid 63 0.6
9	CL151161		1335				24 118		Grid 64 0.6
10	CL151163		1321				24 118		Grid 65 0.6

SAMPLES COLLECTED BY <i>K.P.</i>	COURIER AND AIR BILL NUMBER <i>FedEx 3662915045</i>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <i>Randy Smith</i>	RECEIVED BY <i>[Signature]</i>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <i>7/16/97</i>	TIME <i>18:00</i>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



**OHM Remediation Services Corp**

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**CHAIN-OF-CUSTODY RECORD**

PROJECT DATA MANAGER'S COPY

**205698**

FORM 0019 REV. 2-97

*Hydrologic*

OHM LAB COORDINATOR <i>Claudia Kishan Missy Art</i>	LAB COORDINATOR'S PHONE <i>(770) 734-8060</i>	LAB COORDINATOR'S FAX <i>(770) 453-7716</i>	LABORATORY SERVICE ID	LABORATORY CONTACT <i>McIntire Radabaugh</i>	MAIL REPORT (COMPANY NAME) <i>OHM Remediation Corp.</i>
PROJECT NAME <i>Pb Soil Removal</i>	PROJECT LOCATION <i>Camp Lejeune</i>	PROJECT NUMBER <i>19668</i>	LABORATORY PHONE <i>(419) 424-4943</i>	LABORATORY FAX <i>(419) 424-4998</i>	RECIPIENT NAME <i>Missy Art</i>
PROJECT CONTACT <i>Randy Smith</i>	PROJECT PHONE NUMBER <i>(910) 451-2390</i>	PROJECT FAX <i>(910) 451-1809</i>	LABORATORY ADDRESS <i>16406 U.S. Rte 224 East Findlay, OH 45840</i>		ADDRESS <i>5445 Triangle Pkwy, Ste 400 Norcross, GA 30092</i>
PROJECT ADDRESS <i>Lot 203 Holcomb Blvd Camp Lejeune, NC</i>	CITY, STATE AND ZIP CODE <i>LAHTDLY</i>	CLIENT <i>LAHTDLY</i>	CITY, STATE AND ZIP CODE <i>Findlay, OH 45840</i>		CITY, STATE AND ZIP CODE <i>Norcross, GA 30092</i>
PROJECT MANAGER <i>Jim Dunn</i>	PROJECT MANAGER'S PHONE <i>(770) 734-8072</i>	PROJECT MANAGER'S FAX <i>(770) 453-7743</i>			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses <i>Pb, Tetra, 6010</i>										Comments
1	<i>CL 1510127</i>	<i>Soil</i>	<i>9/2/97</i>	<i>10:18</i>	<i>NO</i>	<i>1</i>	<i>L</i>	<i>2 1/2 hr</i>											<i>Grid 3 15 24</i>
2	<i>CL 151129</i>			<i>13:45</i>															<i>Grid 4 18 24</i>
3	<i>CL 151131</i>			<i>15:29</i>															<i>Grid 12 12 13</i>
4	<i>CL 151133</i>			<i>10:21</i>															<i>Grid 15 18 24</i>
5	<i>CL 151135</i>			<i>10:41</i>															<i>Grid 21 18 24</i>
6	<i>CL 151137</i>			<i>11:29</i>															<i>Grid 22 18 24</i>
7	<i>CL 151139</i>			<i>14:30</i>															<i>Grid 28 18 24</i>
8	<i>CL 151141</i>			<i>12:16</i>															<i>Grid 29 18 24</i>
9	<i>CL 151143</i>			<i>16:01</i>															<i>Grid 38 12 13</i>
10	<i>CL 151143 DP</i>			<i>16:01</i>															<i>Grid Soils</i>

SAMPLES COLLECTED BY <i>RD</i>	COURIER AND AIR BILL NUMBER <i>3662915045</i>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <i>Randy Smith</i>	RECEIVED BY <i>Leecl-X</i>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <i>9/2/97</i>	TIME <i>18:00</i>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

### 205695

FORM 0019 REV. 2-97

*Hydrologic*

OHM LAB COORDINATOR <i>CLAUDE BISHAN Missy Art</i>	LAB COORDINATOR'S PHONE <i>(770) 734-8060</i>	LAB COORDINATOR'S FAX <i>(770) 453-7716</i>	LABORATORY SERVICE ID	LABORATORY CONTACT <i>McLanfe Radabaugh</i>	MAIL REPORT (COMPANY NAME) <i>OHM Remediation Corp.</i>
PROJECT NAME <i>Pb soil removed</i>	PROJECT LOCATION <i>Camp Lejeune</i>	PROJECT NUMBER <i>19668</i>	LABORATORY PHONE <i>(919) 424-3943</i>	LABORATORY FAX <i>(419) 423-4998</i>	RECIPIENT NAME <i>Missy Art CLAUDE BISHAN</i>
PROJECT CONTACT <i>Randy Smith</i>	PROJECT PHONE NUMBER <i>(910) 451-2390</i>	PROJECT FAX <i>(910) 451-1809</i>	LABORATORY ADDRESS <i>16406 U.S. Rte 224 East</i>	ADDRESS <i>5445 Triangle Pkwy. Ste 400</i>	
PROJECT ADDRESS <i>Lot 203 Holcomb Blvd</i>	CITY, STATE AND ZIP CODE <i>Camp Lejeune, NC</i>	CLIENT <i>LANTDIV</i>	CITY, STATE AND ZIP CODE <i>Findlay, OH 45840</i>	CITY, STATE AND ZIP CODE <i>Norcross, GA 30092</i>	
PROJECT MANAGER <i>Jim Dunn</i>	PROJECT MANAGER'S PHONE <i>(770) 734-8072</i>	PROJECT MANAGER'S FAX <i>(770) 453-7743</i>	<i>Analyses Pb Total 6000</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Comments
1	CL 151166	Soil	9/9/02	1230	No	1	F	24 112	Grid 66 6-12 11
2	CL 151168			1155				24 112	Grid 67 6-12 11
3	CL 151170			1142				24 112	Grid 68 6-12 11
4	CL 151172			1132				24 112	Grid 69 6-12 11
5	CL 151174			1405				24 112	Grid 10 6-12 11
6	CL 151176			1149				24 112	Grid 71 6-12 11
7	CL 151162 DP			1340				24 112	Grid soils 6-12 11
8	CL 151146 DP			1420				24 112	Grid soils 6-12 11
9	CL 151174 DP			1405				24 112	Grid soils 6-12 11
10									Grid

SAMPLES COLLECTED BY <i>E.P.</i>	COURIER AND AIR BILL NUMBER <i>1-0007 3662715031</i>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <i>Randy Smith</i>	RECEIVED BY <i>1-0007 3662715034</i>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <i>9/9/02</i>	TIME <i>1800</i>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



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## CHAIN-OF-CUSTODY RECORD

FORM 1 DATA MANAGER'S COPY

### 205658

FORM 0019 REV. 2-97

*Hydrologic*

OHM LAB COORDINATOR <i>Claudia Bishan</i> <del>Missy Art</del>	LAB COORDINATOR'S PHONE <i>(770) 734-8060</i>	LAB COORDINATOR'S FAX <i>(770) 453-7716</i>	LABORATORY SERVICE ID	LABORATORY CONTACT <i>Melanie Radabaugh</i>	MAIL REPORT (COMPANY NAME) <i>OHM Remediation Corp.</i>
PROJECT NAME <i>Pb Soil Removal</i>	PROJECT LOCATION <i>Camp Lejeune</i>	PROJECT NUMBER <i>19668</i>	LABORATORY PHONE <i>(419) 423-4943</i>	LABORATORY FAX <i>(419) 423-4908</i>	RECIPIENT NAME <i>Missy Art Claudia Bishan</i>
PROJECT CONTACT <i>Randy Smith</i>	PROJECT PHONE NUMBER <i>(910) 451-2390</i>	PROJECT FAX <i>(910) 451-1809</i>	LABORATORY ADDRESS <i>16406 U.S. Rte 224 East</i>	ADDRESS <i>5445 Triangle Pkwy, Ste 400</i>	
PROJECT ADDRESS <i>Lot 203 Holcomb Blvd Camp Lejeune, NC</i>	CITY, STATE AND ZIP CODE	CLIENT <i>LANTDIV</i>	CITY, STATE AND ZIP CODE <i>Findlay, OH 45840</i>	CITY, STATE AND ZIP CODE <i>Norcross, GA 30092</i>	
PROJECT MANAGER <i>Jim Duntz</i>	PROJECT MANAGER'S PHONE <i>(770) 734-8072</i>	PROJECT MANAGER'S FAX <i>(770) 453-7743</i>	<i>Analyses Pb Total 600</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Comments
1	CL151146	Soil	7/10/01	1420	No	1	24 1hr	✓	Grid 56 6-12 11
2	CL151148			1415			24 1hr	✓	Grid 57 6-12 11
3	CL151150			1410			24 1hr	✓	Grid 58 6-12 11
4	CL151152			1400			24 1hr	✓	Grid 59 6-12 11
5	CL151154			1355			24 1hr	✓	Grid <del>59</del> 60 6-12 11
6	CL151156			1350			24 1hr	✓	Grid 61 6-12 11
7	CL151158			1344			24 1hr	✓	Grid 62 6-12 11
8	CL151160			1351			24 1hr	✓	Grid 63 6-12 11
9	CL151162			1340			24 1hr	✓	Grid 64 6-12 11
10	CL151164			1324			24 1hr	✓	Grid 65 6-12 11

SAMPLES COLLECTED BY <i>RP</i>	COURIER AND AIR BILL NUMBER <i>Fed-Ex 3662915036</i>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <i>Randy Smith</i>	RECEIVED BY <i>Fed-Ex 3662915036</i>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <i>7/10/01</i>	TIME <i>13:00</i>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

LET HOLD WITH NOTIFIED



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**CHAIN-OF-CUSTODY RECORD**

PROJECT VIA MANAGER'S COPY

**205659**

FORM 0019 REV. 2-97

*Hydrologic*

OHM'S LAB COORDINATOR <i>Claudia W. Fisher</i>	LAB COORDINATOR'S PHONE <i>(770) 734-8060</i>	LAB COORDINATOR'S FAX <i>(770) 453-1716</i>	LABORATORY SERVICE ID	LABORATORY CONTACT <i>Jelanie Kadabaugh</i>	MAIL REPORT (COMPANY NAME) <i>OHM Remediation Corp.</i>
PROJECT NAME <i>Pb soil removal</i>	PROJECT LOCATION <i>Camp Lejeune</i>	PROJECT NUMBER <i>1966x</i>	LABORATORY PHONE <i>(419) 423-4043</i>	LABORATORY FAX <i>(419) 423-4998</i>	RECIPIENT NAME <i>Claudia Fisher</i>
PROJECT CONTACT <i>Randy Smith</i>	PROJECT PHONE NUMBER <i>(910) 451-2390</i>	PROJECT FAX <i>(910) 451-1809</i>	LABORATORY ADDRESS <i>16406 U.S. Rte 224 East</i>	ADDRESS <i>3445 Triangle Pkwy, Ste 400</i>	
PROJECT ADDRESS <i>Lot 203 Holcomb Blvd Camp Lejeune, NC</i>	CITY, STATE AND ZIP CODE <i>LANTDIV</i>	CLIENT <i>LANTDIV</i>	CITY, STATE AND ZIP CODE <i>Findlay, OH 45840</i>	CITY, STATE AND ZIP CODE <i>Percross, GA 30092</i>	
PROJECT MANAGER <i>Jim Dumit</i>	PROJECT MANAGER'S PHONE <i>(770) 734-8072</i>	PROJECT MANAGER'S FAX <i>(770) 453-7743</i>			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses										Comments			
									Pb Total													
1	CL 151 128	Soil	10/97	1022	NO	1	F	24 117	✓													Grnd 3 24 30
2	CL 151 130			1350				24 117	✓													Grnd 4 24 30
3	CL 151 132			1538				24 117	✓													Grnd 12 15 24
4	CL 151 134			1033				24 117	✓													Grnd 15 (P) 18 24 24 30
5	CL 151 136			1045				24 117	✓													Grnd 21 24 30
6	CL 151 138			1432				24 117	✓													Grnd 22 24 30
7	CL 151 140			1500				24 117	✓													Grnd 28 24 30
8	CL 151 142			1522				24 117	✓													Grnd 29 24 30
9	CL 151 144			1610				24 117	✓													Grnd 38 18 24
10	CL 151 128 D11			1022				24 117	✓													Grnd - soils 24 30

SAMPLES COLLECTED BY <i>L.P</i>	COURIER AND AIR BILL NUMBER <i>FedEx 3662915034</i>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <i>Randy Smith</i>	RECEIVED BY <i>FedEx 3662915034</i>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <i>10/10/97</i>	TIME <i>13:00</i>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager







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**CHAIN-OF-CUSTODY RECORD**

*Hydrologic*

PROJECT DATA MANAGER'S COPY

**205374**

FORM 0019 REV. 2/97

OHM'S LAB COORDINATOR <i>Claudine Bigh</i>	LAB COORDINATOR'S PHONE <i>(770) 734 8061</i>	LAB COORDINATOR'S FAX <i>(770) 451 7716</i>	LABORATORY SERVICE ID	LABORATORY CONTACT <i>Sue Barnes</i>	MAIL REPORT (COMPANY NAME) <i>OHM Corporation</i>
PROJECT NAME <i>Pb soil Removal</i>	PROJECT LOCATION <i>Jack Smith, NC</i>	PROJECT NUMBER <i>19668</i>	LABORATORY PHONE <i>(770) 363 0234</i>	LABORATORY FAX <i>(770) 363 0806</i>	RECIPIENT NAME <i>S. Pruntype</i>
PROJECT CONTACT <i>Rand J Smith</i>	PROJECT PHONE NUMBER <i>(910) 451-2370</i>	PROJECT FAX <i>(910) 451 1806</i>	LABORATORY ADDRESS <i>1412 Galbreath Drive</i>		ADDRESS <i>203, 4000 Highway 104</i>
PROJECT ADDRESS <i>Lot 203, Hulcomb</i>	CITY, STATE AND ZIP CODE <i>Jack Smith, NC</i>	CLIENT <i>CANFDIV</i>	CITY, STATE AND ZIP CODE <i>NOV 2003 GA 30093</i>		CITY, STATE AND ZIP CODE <i>Jack Smith, NC</i>
PROJECT MANAGER <i>Jim Dunn</i>	PROJECT MANAGER'S PHONE <i>(770) 734-8012</i>	PROJECT MANAGER'S FAX <i>(770) 453 7743</i>	Analyses <i>Tot - Pb 6010</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Comments
1	<i>CL151177</i>	<i>Soil</i>	<i>11/14/97</i>	<i>1235</i>	<i>COIN</i>	<i>1</i>	<i>MESEN E</i>	<i>24/112</i>	<i>Grid 50 12-18" <del>12-24"</del></i>
2	<i>CL151187</i>	<i>Soil</i>	<i>11/14/97</i>	<i>1148</i>	<i>L</i>	<i>1</i>	<i>E</i>	<i>24/112</i>	<i>Grid 77 0-6"</i>
3	<i>CL151189</i>	<i>Soil</i>	<i>11/14/97</i>	<i>1203</i>	<i>L</i>	<i>1</i>	<i>E</i>	<i>24/112</i>	<i>Grid 78 0-6"</i>
4	<i>CL151191</i>	<i>Soil</i>	<i>11/14/97</i>	<i>1213</i>	<i>L</i>	<i>1</i>	<i>E</i>	<i>24/112</i>	<i>Grid 79 0-6"</i>
5	<i>CL151193</i>	<i>Soil</i>	<i>11/14/97</i>	<i>1220</i>	<i>L</i>	<i>1</i>	<i>E</i>	<i>24/112</i>	<i>Grid 80 0-6"</i>
6	<i>CL151195</i>	<i>Soil</i>	<i>11/24/97</i>	<i>1224</i>	<i>L</i>	<i>1</i>	<i>E</i>	<i>24/112</i>	<i>Grid 81 0-6"</i>
7	<i>CL151195DP</i>	<i>Soil</i>	<i>11/24/97</i>	<i>1224</i>	<i>L</i>	<i>1</i>	<i>E</i>	<i>24/112</i>	<i>Soil 0-6"</i>
8									
9									
10									

SAMPLES COLLECTED BY <i>S SP / R D</i>	COURIER AND AIR BILL NUMBER <i>FedEx 3665343964</i>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <i>S Pruntype</i>	RECEIVED BY <i>FedEx 3665343964</i>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <i>11/14, 1700</i>	
	TIME	



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

Hydrologic

FORM 0019 - ANALYST'S COPY

205373

FORM 0019 REV. 2-97

OHM LAB COORDINATOR Claudine Bigham	LAB COORDINATOR'S PHONE (710) 734 8061	LAB COORDINATOR'S FAX (710) 453 7116	LABORATORY SERVICE ID	LABORATORY CONTACT Sue Bones	MAIL REPORT (COMPANY NAME) OHM Corporation
PROJECT NAME Pb soil removal	PROJECT LOCATION Camp Lejeune NC	PROJECT NUMBER 19668	LABORATORY PHONE (710) 368 0630	LABORATORY FAX (710) 368 0306	RECIPIENT NAME S. Prange
PROJECT CONTACT Paul (Smile)	PROJECT PHONE NUMBER (710) 451-2390	PROJECT FAX (710) 451 1506	LABORATORY ADDRESS 1912 Oakbrook Drive		ADDRESS Lot 203, Hatteras Blvd
PROJECT ADDRESS Lot 203 Hatteras	CITY STATE AND ZIP CODE Jacksonville, NC	CLIENT LANT DIV	CITY, STATE AND ZIP CODE Newport, GA 30093		CITY STATE AND ZIP CODE Jacksonville, NC
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S PHONE (770) 734-8072	PROJECT MANAGER'S FAX (770) 453-7143	Analyses Total Pb 60%		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analytical Results										Comments			
									1	2	3	4	5	6	7	8	9	10		11	12	
1	CL151198	soil	9/14/97	1240	cool	1	NEESA 24 E 10	L													Grid 50 24-30	
2	CL151188	soil	9/14/97	1153	cool	1	E 24 118	L														Grid 77 6-12
3	CL151170	soil	9/14/97	1207	cool	1	E 24 118	L														Grid 78 6-12
4	CL151192	soil	9/14/97	1217	cool	1	E 24 118	L														Grid 79 6-12
5	CL151194	soil	9/14/97	1226	cool	1	E 24 118	L														Grid 80 6-12
6	CL151196	soil	9/14/97	1230	cool	1	E 24 118	L														Grid 81 6-12
7	CL151198 DP	soil	9/14/97	1240	cool	1	E 24 118	L														Camp Lejeune 24-30
8																						
9																						
10																						

SAMPLES COLLECTED BY SSP/RD	COURIER AND AIR BILL NUMBER FedEx 366534 3764	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY S. Prange	RECEIVED BY FedEx 366534 3764	SAMPLE'S CONDITION UPON RECEIPT
	DATE 11/4/97	TIME 1700

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

FOR FIELD DATA MANAGER'S COPY

205666

FORM 0019 REV. 2-97

*Hydrologic*

OHM'S LAB COORDINATOR <b>Missy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID	LABORATORY CONTACT <b>Stanie Radabaugh</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>Shattered Point</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19668</b>	LABORATORY PHONE <b>(419) 424-4943</b>	LABORATORY FAX <b>(419) 424-4987</b>	RECIPIENT NAME <b>Missy Art</b>
PROJECT CONTACT <b>Randy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <b>16406 U.S. Rte 276 Prot 2nd</b>		ADDRESS <b>5445 Triangle Pkwy. Ste 400</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd Camp Lejeune, NC</b>	CITY, STATE AND ZIP CODE	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>		CITY, STATE AND ZIP CODE <b>Marietta, GA 30092</b>
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8012</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>	<i>Analyses To Pack 16</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Comments
1	CL151199 6P10 82 0.6"	S	9/1/97	NA	1		24hr	X	
2	CL151201 6P10 83 0.6"	S	9/1/97					X	
3	CL151203 6P10 81 0.6"	S	9/1/97					X	
4	CL151205 6P10 77 0.6"	S	9/1/97					X	
5	CL151207 6P10 86 0.6"	S	9/1/97					X	
6	CL151209 6P10 87 0.6"	S	9/1/97					X	
7	CL151211 6P10 88 0.6"	S	9/1/97					X	
8	CL151213 6P10 89 0.6"	S	9/1/97					X	
9	CL151215 6P10 90 0.6"	S	9/1/97					X	
10	CL151217 6P10 91 0.6"	S	9/1/97					X	

SAMPLES COLLECTED BY <b>Stann Queener</b>	COURIER AND AIR BILL NUMBER.	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <b>AL WMA</b>	RECEIVED BY <b>ISO ER # 36627/5107</b>	DATE <b>9/17/97</b>
	TIME <b>1700</b>	SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

205669

FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR <b>Missy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID <b>Hydrologic</b>	LABORATORY CONTACT <b>Sue Lewis</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>Montford Point</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>17068</b>	LABORATORY PHONE <b>(419) 424-4973</b>	LABORATORY FAX <b>(419) 424-4908</b>	RECIPIENT NAME <b>Missy Art</b>
PROJECT CONTACT <b>Kandy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2340</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <b>16406 U.S. Rte 224 East Av Holecomb, NC 28520</b>	RECIPIENT ADDRESS <b>5445 Triangle Pkwy, Ste 400 Norcross, GA 30092</b>	
PROJECT ADDRESS <b>Lot 203 Holecomb Blvd Camp Lejeune, NC</b>	CITY, STATE AND ZIP CODE <b>LAJANIV</b>	CLIENT <b>LAJANIV</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>		
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8012</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>	Analyses Total Pb		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Comments
1	CL151219 6R1092 0-6"	S	8/1/97	NA	1		24hr	X	
2	CL151221 6R1093 0-6"	S	8/1/97	NA	1		24hr	X	
3	CL151223 6R1093 Dup 0-6"	S	8/1/97	NA	1		24hr	X	
4									
5									
6									
7									
8									
9									
10									

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <b>AL Dunn</b>	RECEIVED BY <b>INDEX #3662915104</b>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <b>8/1/97</b>	TIME <b>1800</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

205670

FORM 0019 REV. 2-97

*Hydrologic*

OHM's LAB COORDINATOR <b>Missy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID <b>358 P.H.S.</b>	LABORATORY CONTACT <b>Jelanie Radabaugh</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>Montford Point</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>17668</b>	LABORATORY PHONE <b>(719) 424-4948</b>	LABORATORY FAX <b>(719) 424-4908</b>	RECIPIENT NAME <b>Missy Art</b>
PROJECT CONTACT <b>Randy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <b>16406 U.S. Rte. 224 East NW Findlay, OH 45840</b>	ADDRESS <b>5445 Triangle Plwy, Ste 400 Norcross, GA 30092</b>	
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>		
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8072</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>	<i>Analyses Total 16</i>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Comments
1	CL151220 BR1092 6-12"	S	9/17/97	NA	1		24hr	X	<i>Hold until notified</i>
2	CL151222 BR1093 6-12"	S	9/17/97	NA	1		24hr	X	
3	<del>BR1093 6-12"</del>	<del>S</del>							
4	CL151224 BR1082 Dup 6-12"	S	9/17/97	NA	1		24hr	X	
5									
6									
7									
8									
9									
10									

SAMPLES COLLECTED BY: <b>Sten Quisner</b>	COURIER AND AIR BILL NUMBER <b>FED EX 3662915104</b>	RECEIVED BY <b>AL W...</b>	DATE <b>9/17/97</b>	TIME <b>1800</b>	COOLER TEMPERATURE UPON RECEIPT	SAMPLE'S CONDITION UPON RECEIPT
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Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

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### 205667

FORM 0019 REV. 2-97

*Hydrologic*

OHM'S LAB COORDINATOR <b>Missy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID <b>(770) 368-0111</b>	LABORATORY CONTACT <b>Melanie Kadabaugh</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>M. Arthur Point</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19668</b>	LABORATORY PHONE <b>(419) 424-6973</b>	LABORATORY FAX <b>(419) 424-6988</b>	RECIPIENT NAME <b>Missy Art</b>
PROJECT CONTACT <b>Randy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <b>16406 U.S. Rte 224 East</b>	LABORATORY CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>	ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>		
PROJECT MANAGER <b>Jim Duon</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8072</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>	CITY, STATE AND ZIP CODE <b>Norcross, GA 30092</b>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T.	Analyses	Comments
1	CL151200 GR1082 6-12"	S	7/12/97	NA	1		24hr	X	Total Pb	Total vol not attached
2	CL151202 GR1083 6-12"	S	7/12/97		1			X		
3	CL151204 GR1081 6-12"	S	7/12/97					X		
4	CL151206 GR1085 6-12"	S	7/12/97					X		
5	CL151208 GR1076 6-12"	S	7/12/97					X		
6	CL151210 GR1087 6-12"	S	7/12/97					X		
7	CL151212 GR1089 6-12"	S	7/12/97					X		
8	CL151214 GR1084 6-12"	S	7/12/97					X		
9	CL151216 GR1090 6-12"	S	7/12/97					X		
10	CL151218 GR1071 6-12"	S	7/12/97					X		

SAMPLES COLLECTED BY <b>Stan Weiler</b>	COURIER AND AIR BILL NUMBER <b>FEDEX 3662915104</b>	DATE <b>7/12/97</b>	TIME <b>1800</b>	COOLER TEMPERATURE UPON RECEIPT
RECEIVED BY <b>Missy Art</b>	RECEIVED BY <b>FEDEX 3662915104</b>	DATE <b>7/12/97</b>	TIME <b>1800</b>	SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



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## CHAIN-OF-CUSTODY RECORD

11/9/2013

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205671

FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR <b>Missy Art</b>	LAB COORDINATOR'S PHONE <b>(770) 734-8060</b>	LAB COORDINATOR'S FAX <b>(770) 453-7716</b>	LABORATORY SERVICE ID	LABORATORY CONTACT <b>Melanie Radabaugh</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Corp.</b>
PROJECT NAME <b>P&amp;S Soil Removal</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>17605</b>	LABORATORY PHONE <b>(419) 424-4948</b>	LABORATORY FAX <b>(419) 424-4998</b>	RECIPIENT NAME <b>Missy Art</b>
PROJECT CONTACT <b>Randy Smith</b>	PROJECT PHONE NUMBER <b>(910) 451-2390</b>	PROJECT FAX <b>(910) 451-1809</b>	LABORATORY ADDRESS <b>16406 U.S. Rte 224 East</b>		ADDRESS <b>5445 Triangle Pkwy. Ste 400</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LAN/DIV</b>	CITY, STATE AND ZIP CODE <b>Findlay, OH 45840</b>		CITY, STATE AND ZIP CODE <b>Worcross, GA 30092</b>
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>(770) 734-8072</b>	PROJECT MANAGER'S FAX <b>(770) 453-7743</b>	Analyses 7/12/13, 6/11/13		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Comments
1	CL151225 Grid 3 30-36	Soils	11/27/13	1431	1	F	24 hr		
2	CL151225 DP Soils			1431					
3	CL151227 Grid 15 30-36			1450					
4	CL151229 Grid 21 30-36			1505					
5	CL151231 Grid 28 30-36			1515					
6	CL151233 Grid 38 24-30"			1520					
7	CL151233 DP Soils 74 5'								
8	CL151235 Grid 70 12-18"			1545					
9	CL151237 Grid 74 12-18"			1552					
10									

SAMPLES COLLECTED BY <b>KS/Sp</b>	COURIER AND AIR BILL NUMBER <b>FedEx 3662915130</b>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <b>S. Prudhomme PC</b>	RECEIVED BY <b>FedEx 3662915130</b>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <b>11/13/13</b>	TIME <b>1800</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager







OHM Corporation

1012

115 Logic

# CHAIN-OF-CUSTODY RECORD

## HOLD UNTIL NOTIFIED

FORM 0019

Field Technical Services  
Rev. 08/89

1.27839

O. H. MATERIALS CORP. • P. O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME <i>1 1/2 Soil Removal</i>		PROJECT LOCATION <i>comp Lejeune</i>		ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)	NUMBER OF CONTAINERS	REMARKS
PROJ. NO. <i>17668</i>	PROJECT CONTACT <i>Randy Smith</i>	PROJECT TELEPHONE NO. <i>(910) 451-2390</i>				
CLIENT'S REPRESENTATIVE <i>LANT DIV</i>		PROJECT MANAGER/SUPERVISOR <i>&amp; Jim Dunn</i>				
ITEM NO	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)
1	<i>CL151240</i>	<i>9/19/97</i>	<i>0835</i>	<input checked="" type="checkbox"/>		<i>Grid 59, 56 18-24"</i>
2	<i>CL151242</i>		<i>0845</i>			<i>Grid 40, 18-24"</i>
3	<i>CL151244</i>		<i>0855</i>			<i>Grid 61, 18-24"</i>
4	<i>CL151246</i>		<i>0905</i>			<i>Grid 69, 18-24"</i>
5	<i>CL151248</i>		<i>0918</i>			<i>Grid 62, 18-24"</i>
6	<i>CL151250</i>		<i>0935</i>			<i>Grid 68, 18-24"</i>
7	<i>CL151252</i>		<i>0950</i>			<i>Grid 94, 0-6" 6-12"</i>
8	<i>CL151254</i>		<i>0955</i>			<i>Grid 95, 6-12"</i>
9	<i>CL151256</i>		<i>0959</i>			<i>Grid 97, 6-12"</i>
10	<i>CL151258</i>		<i>1005</i>			<i>Grid 96, 6-12"</i>

*Total Pb, by 6010*

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	<i>1-10</i>	<i>S Paranjape</i>	<i>Frank 3662915141</i>	<i>9/19/97</i>	<i>1800</i>	
2						
3						
4						

SAMPLER'S SIGNATURE



2012

Geologic

TRANSFER 3

# CHAIN-OF-CUSTODY RECORD

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127869

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PROJECT NAME		PROJECT LOCATION		NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)	REMARKS																
PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.				Total Pb by GOLF																
CLIENT'S REPRESENTATIVE		PROJECT MANAGER/SUPERVISOR																				
ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)																
1	CL151260	9/19/97	1518	X		Grid 96 (SP) 6-12"	1	✓														
2	CL151262	9/19/97	1525	X		Grid 98 6-12"	1	✓														
3	CL151264	9/19/97	1535	X		Grid 100 6-12"	1	✓														
4																						
5																						
6																						
7																						
8																						
9																						
10																						

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	1-3	S. Paeranjape	FedEx 3662915141	9/19/97	1800	
2						
4						SAMPLER'S SIGNATURE



OIM Corporation

*P8100.1*  
**CHAIN-OF-CUSTODY RECORD**

*Hydrologic*

*2 of 2*

TRANSFER 3

Form 0019  
Field Technical Services  
Rev. 08/89

127840

D.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME <i>Pb Soil Removal</i>		PROJECT LOCATION <i>Camp Lejeune NC</i>	
PROJECT NO. <i>9668</i>	PROJECT CONTACT <i>Randy Smith</i>	PROJECT TELEPHONE NO. <i>(910) 451-2390</i>	
CLIENT'S REPRESENTATIVE <i>LANTDIV</i>		PROJECT MANAGER/SUPERVISOR <i>Jim Dunn</i>	

NUMBER OF CONTAINERS

ANALYSIS DESIRED  
(INDICATE SEPARATE CONTAINERS)

*Total Pb, by 6010*

SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED	REMARKS
<i>CL151255DP</i>	<i>9/19/97</i>	<i>0958</i>	<i>X</i>		<del><i>Grid 96</i></del> <i>Soils</i> <i>0-6"</i>	<i>1</i>	<i>✓</i>	
<i>CL151256<sup>237</sup></i>	<i>9/19/97</i>	<i>1000</i>	<i>X</i>		<i>Grid 96</i> <i>0-6"</i>	<i>1</i>	<i>✓</i>	
<i>CL151259</i>		<i>1515</i>	<i>X</i>		<i>Grid 99</i> <i>0-6"</i>	<i>1</i>	<i>✓</i>	
<i>CL151261</i>		<i>1520</i>	<i>X</i>		<i>Grid 98</i> <i>0-6"</i>	<i>1</i>	<i>✓</i>	
<i>CL151263</i>		<i>1530</i>	<i>X</i>		<i>Grid 100</i> <i>0-6"</i>	<i>1</i>	<i>✓</i>	
<i>CL151263 DP</i>		<i>1534</i>	<i>X</i>		<i>Soils</i> <i>0-6"</i>	<i>1</i>	<i>✓</i>	

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
<i>1</i>	<i>1, 2</i>	<i>S Paouigape</i>	<i>Fedex 3662915141</i>	<i>9/19/97</i>	<i>1800</i>	
<i>2</i>						
<i>3</i>						
<i>4</i>						SAMPLER'S SIGNATURE



# OHM Remediation Services Corp

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## CHAIN-OF-CUSTODY RECORD

Hydrologic

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205673

Kim Richard

FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR <del>E. Rodriguez</del> Missy Art	LAB COORDINATOR'S PHONE (770) 734-8060	LAB COORDINATOR'S FAX (770) 453-7716	LABORATORY SERVICE ID 770 368 0630	LABORATORY CONTACT <del>Melanie Radabaugh</del>	MAIL REPORT (COMPANY NAME) OHM Remediation Corp.
PROJECT NAME Pb Soil Removal	PROJECT LOCATION Camp Lejeune	PROJECT NUMBER 19668	LABORATORY PHONE (419) 424-4943	LABORATORY FAX (419) 424-4998	RECIPIENT NAME <del>Missy Art</del> E. Rodriguez
PROJECT CONTACT Randy Smith	PROJECT PHONE NUMBER (910) 451-2390	PROJECT FAX (910) 451-1809	LABORATORY ADDRESS 16406 U.S. Rte 224 East	LABORATORY CITY, STATE AND ZIP CODE Findlay, OH 45840	ADDRESS 5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb Blvd	CITY, STATE AND ZIP CODE Camp Lejeune, NC	CLIENT LANTDIV	Norcross, GA 30092		
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S PHONE (770) 734-8072	PROJECT MANAGER'S FAX (770) 453-7743	Analyses Total Pb, 6010		

Item	Sample Identifier (SP)	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T.	Comments
1	CL15123956 Grid 59, 12-18"	Soil	9/19/97	0830	100%	1	NECESSARY	24 HRS	
2	CL151241 Grid 60, 12-18"			0840					Not to be analyzed per 9/23/97
3	CL151243 Grid 61, 12-18"			0850					
4	CL151245 Grid 69, 12-18"			0900					
5	CL151247 Grid 62, 12-18"			0915					
6	CL151247DP Soils 12-18"			0915					
7	CL151249 Grid 68, 12-18"			0927					
8	CL151251 Grid 94, 0-6"			0945					
9	CL151253 Grid 95, 0-6"			0952					
10	CL151255 Grid 97, 0-6"			0958					

SAMPLES COLLECTED BY: TW/SP	COURIER AND AIR BILL NUMBER: 3662915141 Fedex	COOLER TEMPERATURE UPON RECEIPT:
RELINQUISHED BY: S. Parajoyope	RECEIVED BY: FedEx 3662915141	SAMPLE'S CONDITION UPON RECEIPT:
	DATE: 9/14/97	TIME: 1800.



OHM Corporation

# CHAIN-OF-CUSTODY RECORD

*Hydrologic*

INSFER 3

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127870

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME <i>Pb soil Removal</i>		PROJECT LOCATION <i>Camp Lejeune</i>					ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) <i>Total Pb 6010</i>														
PROJ. NO. <i>19668</i>	PROJECT CONTACT <i>Randy Smith</i>			PROJECT TELEPHONE NO. <i>(910)451-2390</i>																	
CLIENT'S REPRESENTATIVE <i>LANTDIV</i>			PROJECT MANAGER/SUPERVISOR <i>J. Dunn</i>																		
ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)															
1	<i>CL151267</i>	<i>9/22/97</i>	<i>1550</i>	<i>X</i>		<i>Grid 101 0-6"</i>	1	✓												<i>Priority!!</i>	
2	<i>CL151268</i>	<i>9/22/97</i>	<i>1555</i>	<i>X</i>		<i>Grid 101 6-12"</i>	1	✓												<i>Hold!!</i>	
3	<i>CL151265</i>	<i>9/22/97</i>	<i>1445</i>	<i>X</i>		<i>Grid 102 0-6"</i>	1	✓												<i>Priority!!</i>	
4	<i>CL151266</i>	<i>9/22/97</i>	<i>1448</i>	<i>X</i>		<i>Grid 102 6-12"</i>	1	✓												<i>Hold!!</i>	
5																					
6																					
7																					
8																					
9																					
10																					

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	<i>1-4</i>	<i>S Pasouge</i>	<i>FedEx 366 2915 513</i>	<i>9/22/97</i>	<i>1800</i>	
2						
3						
4						SAMPLER'S SIGNATURE



OHM Corporation

# CHAIN-OF-CUSTODY RECORD

## Hydrologic

TRANSFER 3

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### 127841

C.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME <b>Pb Soil Removal</b>		PROJECT LOCATION <b>Camp Legeune</b>		NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)
PROJECT NO. <b>17668</b>	PROJECT CONTACT <b>Alan Whitt</b>	PROJECT TELEPHONE NO. <b>910-451-2390</b>			
CLIENT'S REPRESENTATIVE <b>LANTDIV</b>		PROJECT MANAGER/SUPERVISOR <b>J. Dunn</b>			

*Total Pb - 6010*

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	REMARKS
1	<del>CL151103</del> CL151266	9/24/97	1060	X		Grid 103 0-6"	Grid 103 0-6"
2	CL151268	9/24/97	1015	X		Grid 104 0-6"	Grid 104 0-6"
3	CL151270	9/24/97	1020	X		Grid 105 0-6"	
4	CL151272	9/24/97	1030	X		Grid 106 0-6"	
5	CL151274	9/24/97	1100	X		Grid 107 0-6"	
6	CL151276	9/24/97	1120	X		Grid 108 0-6"	
7	CL151278	9/24/97	1140	X		Grid 109 0-6"	
8	CL151280	9/24/97	1220	X		Grid 110 0-6"	
9	<del>CL151282</del>	9/24/97	1300	X		<del>Grid 110 Dup</del>	Void this line Duplicate of CL151280
10	CL151284	9/24/97	1310	X		Grid 111 0-6"	

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	1-8+10	<i>Alan Whitt</i>	# 3662915071 <i>FedX</i>	9/24/97	1600	All Samples Priority TAT 24 hr. Samples in 2oz jars Lot PB1140152
2						
3						
4						SAMPLER'S SIGNATURE



IM Corporation

# CHAIN-OF-CUSTODY RECORD

## Hydrologic

ISFER 3

Form 0019  
Field Technical Services  
Rev. 08/89

### 127866

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME <b>Pb Soil Removal</b>		PROJECT LOCATION <b>Camp Lequene</b>	
PROJECT NO. <b>19658</b>	PROJECT CONTACT <b>Alan Whitt</b>	PROJECT TELEPHONE NO. <b>910-451-2390</b>	
CLIENT'S REPRESENTATIVE <b>LANT DIV</b>		PROJECT MANAGER/SUPERVISOR <b>J. Dunn</b>	

NUMBER OF CONTAINERS

ANALYSIS DESIRED  
(INDICATE SEPARATE CONTAINERS)  
*Total Pb - 6010*

SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED	REMARKS
CL151267	9/24/97	1005	X		Grid 103 6-12"	1	✓	Grid 103 6-12"
CL151269	9/24/97	1020	X		Grid 104 6-12"	1	✓	
CL151271	9/24/97	1025	X		Grid 105 6-12"	1	✓	
CL151273	9/24/97	1035	X		Grid 106 6-12"	1	✓	
CL151275	9/24/97	1105	X		Grid 107 6-12"	1	✓	
CL151277	9/24/97	1130	X		Grid 108 6-12"	1	✓	
CL151279	9/24/97	1150	X		Grid 109 6-12"	1	✓	
CL151281	9/24/97	1258	X		Grid 110 6-12"	1	✓	
CL151283	9/24/97	1310	X		Grid 111 6-12"	1	✓	
CL151282	9/24/97	1330	X		Grid 110 Dup 6-12"	1	✓	Duplicate of CL151281

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	1-10	Alan A Whitt	#3662915071 Fred X	9/29/97	1600	Hold samples, do not analyze until contacted Samples in 2 oz jars Lot P61140152
2						
3						
4						

SAMPLER'S SIGNATURE



APPENDIX F

QC Documentation

PRECONSTRUCTION MEETING NOTES  
MONTFORD POINT WATER TOWER  
LEAD CONTAMINATED SOIL REMEDIATION  
MCB CAMP LEJEUNE  
LANTDIV CONTRACT N62470-93-D-3032  
DELIVERY ORDER 151

August 28, 1997

Attendees:

Brent Rowse, AREICC  
Bob Schirmer, LANTDIV RPM  
Tony Martinez, Job Service  
Neal Paul, EMD/IR  
Mick Senus, EMD/IR  
Brian Marshburn, EMD/IR  
John Cotton, CONREP  
Jim Lafferty, Base Maintenance  
Randy Smith, OHM Site Supervisor  
Alan Whitt, OHM Project Manager  
Jim Dunn, OHM Project Manager

The meeting was convened at 0900 hours by the moderator, Brent Rowse. Mr. Rowse then proceeded to review the Preconstruction Meeting checklist.

- Brent outlined the procedures to be used in case of an emergency at the site.
- Should a hot work permit be required at the site, OHM is to contact the Fire Department for same.
- The Base Landfill will not be available as a disposal option for any debris or soils from the site.
- OHM was cautioned to always have a designated person in charge during any work activities at the site when the Site Supervisor is not present.
- OHM presented an overview of the project and discussed the sequencing of the work which is scheduled to commence on Wednesday, September 3, 1997.
- Sampling of the soils to determine the limits of contamination commenced this week and the full extent of the contamination is yet to be determined.
- No Cuts should be used to locate all utilities and OHM is to also contact Base telephone and the fire department for the location of any phone lines or fire alarm cabling prior to starting excavation activities.

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The meeting was adjourned at approximately 0930 hours.

Respectfully submitted,  
OHM Remediation Services Corp.

James A. Dunn, Jr., P.E.  
Senior Project Manager

pc: All Attendees  
Dwayne Currie, OHM  
John Franz, OHM  
Jim Whedbee, S & W  
Job File 19668

**COORDINATION AND MUTUAL UNDERSTANDING MEETING  
FOR  
DELIVERY ORDER 0151  
MONTFORD POINT WATER TOWER  
LEAD CONTAMINATED SOIL REMOVAL PROJECT  
at MCB CAMP LEJEUNE, NORTH CAROLINA  
AUGUST 28, 1997**

**Attendees:** Brent Rowse - AREICC  
John Cotton - CONREP  
James A. Dunn, Jr. - OHM Senior Project Manager  
Alan Whitt - OHM Project Manager - Acting QC Manager  
Randy Smith - OHM Project Supervisor - QC Manager Designee

The purpose of this meeting was to develop a mutual understanding of the QC details, including forms to be used; administration of on-site and off-site work, and coordination of OHM's management, production and the QC Manager's duties with the Contracting Officer.

The QC program consists of a QC Organization, QC Manager, a QC Plan for this Delivery Order, this Coordination and Mutual Understanding Meeting, QC Meetings, three phases of control, submittal review, submittal approval except for submittals designated for Contracting Officer approval, testing, and QC certifications and documentation necessary to provide materials, equipment, workmanship, fabrication, construction and operations which comply with the requirements of this contract.

The duties of the QC Manager are to:

- Attend this meeting
- Conduct the QC Meetings
- Perform the three phases of control
- Perform submittal review
- Ensure testing is performed
- Prepare QC certifications and documentation
- Perform other activities when directed by the Contracting Officer

The duties and qualifications of the Submittal Reviewers are to:

- Review and certify that submittals in the discipline of their expertise (other than the QC Manager) meet the requirements of the contract

The QC Plan was reviewed.

QC Meetings were discussed as indicated below:

- The QC Manager shall conduct QC meetings once every two weeks or as otherwise directed by the Contracting Officer
- Meeting minutes will be prepared by the QC Manager in accordance with the contract outline and a copy provided to the Contracting Officer within two working days of the meeting
- A copy will be distributed to the Program QC Manager

The three phases of control are:

- Preparatory Phase Meeting
- Initial Phase Meeting
- Follow-Up Phase Inspection

The submittal review and approval process is as follows:

- Review
- Approval
- Certification
- Submittal Register update and completion

The requirements for testing are as follows:

- Testing Laboratory Requirements/Certification
- Accredited Laboratories
- Inspection and Testing Laboratories
- Capability Checks
- Test Results

QC certifications will include:

- Contractor Quality Control Report Certification
- Invoice Certification
- Completion Certification

Documentation will include the following:

- Contractor Production Report
- Contractor Quality Control Report
- Testing Plan and Rework log

- Rework Items List
- As-Built Records
- Report Forms - samples included in the QC Plan

This meeting also served as the initial QC Meeting for this Delivery Order. The schedule of the work which was reviewed indicates a start of field activities on September 3, 1997. Comments have been received on the draft Work Plans and the Final Plans have been submitted.

Revisions to the plans and specifications discussed include:

- Soil sample points will be centers of the grids rather than nodes
- Silt fence will be employed only when needed

Respectfully submitted,  
**OIIM Remediation Services Corp.**

James A. Dunn, Jr., P.E.  
Senior Project Manager/Acting QC Manager

pc: All Attendees  
Dwayne Currie, OHM  
Job File 19668

John Franz, OHM  
Jimmie Whedbee, QA

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**WEEKLY PROGRESS MEETING MINUTES  
NAVY LANTDIV CONTRACT N62470-93-D-3032  
MCB CAMP LEJEUNE, NC**

September 10, 1997

Attendees: Brent Rowse, AREICC  
Randy Smith, OHM

The weekly progress meeting was held at 1000 hours on September 10, 1997, in the ROICC office at MCB Camp Lejeune. The following pages contain the topical items for each delivery order discussed during the meeting.

**D.O. 0015**

- Mod 11 Lot 203 debris cleanup should be issued by the end of the month.
- OHM to install motors and pumps in DRW-1 and DRW-2 this week.

**D.O. 0094**

- Last sample data was still over the clean up limits. Jim will discuss biocell issue during partnering next week. OHM will only till to remove excess moisture - weekly unless weather conditions dictate more frequently.

**D.O. 118**

- Randy stated N & S plants are running good.

**D.O. 143**

Site 822

- System running good.

Site 69

- System still in start up, no problems.

Site 2478

- Equipment being installed, Start up next week.

Site 820

- ¾ Complete on underground piping.

**D.O. 122, D.O. 151**

- Still delineating contamination.

**D.O. 115**

- O & M will start on biocell when the sampling data is back with nutrients additives.

Respectfully submitted,  
**OHM Remediation Services Corp.**



Randy Smith  
Project Supervisor

pc: All Attendees  
John Franz, OHM  
Dwayne Currie, OHM  
Jimmie Whedbee, QA  
Job File - 19403

**WEEKLY PROGRESS MEETING MINUTES  
NAVY LANTDIV CONTRACT N62470-93-D-3032  
MCB CAMP LEJEUNE, NC**

September 24, 1997

Attendees: Brent Rowse, AREICC  
Randy Smith, OHM  
Rick Raines, EMD/TR

The weekly progress meeting was held at 1000 hours on September 24, 1997, in the ROICC office at MCB Camp Lejeune. The following pages contain the topical items for each delivery order discussed during the meeting.

**D.O. 0015**

- Lot 203 cleanup to start next week.

**D.O. 0094**

- OHM is cultivating biocell bugs to eat contaminants in biocell. Will apply bugs at the end of the week.

**D.O. 118**

- Mod for AFVR and manhole work should be in per Brent.

**D.O. 143**

Site 822

- System running good.

Site 69

- System running good.

Site 2478

- Power is on. Start up this week and next week.

Site 820

- Underground piping completed. Equipment being installed this week.

**D.O. 151**

- Still delineating contamination.

**D.O. 122**

- Will be completed today.

**D.O. 115**

- Will add nutrients this week.

Respectfully submitted,  
**OHM Remediation Services Corp.**



Randy Smith  
Project Supervisor

pc: All Attendees  
John Franz, OHM  
Dwayne Currie, OHM  
Jimmie Whedbee, QA  
Job File - 19403

**WEEKLY PROGRESS MEETING MINUTES  
NAVY LANTDIV CONTRACT N62470-93-D-3032  
MCB CAMP LEJEUNE, NC**

October 8, 1997

Attendees: Brent Rowse, AREICC  
Randy Smith, OHM  
Rick Raines, EMD/IR

The weekly progress meeting was held at 1000 hours on October 8, 1997, in the ROICC office at MCB Camp Lejeune. The following pages contain the topical items for each delivery order discussed during the meeting.

**D.O. 0015**

- Lot 203 cleanup half way completed.
- Two motors in plant burned up. Southerland Electric will replace due to wiring the motors wrong.

**D.O. 0094**

- Bugs have been applied.

**D.O. 118**

- AFVR is going good. Seeing a lot of product.

**D.O. 143**

Site 822

- System running good.

Site 69

- System running good.

Site 2478

- Still in start up.

Site 820

- Hydrotest completed. Electrical Inspection scheduled for Tuesday.

**D.O. 151**

- Will start next week.

**D.O. 115**

- Tilling once a week.

Respectfully submitted,  
**OHM Remediation Services Corp.**



Randy Smith  
Project Supervisor

pc: All Attendees  
John Franz, OHM  
Dwayne Currie, OHM  
Jimmie Whedbee, QA  
Job File - 19403

**WEEKLY PROGRESS MEETING MINUTES  
NAVY LANTDIV CONTRACT N62470-93-D-3032  
MCB CAMP LEJEUNE, NC**

October 22, 1997

Attendees: Brent Rowse, AREICC ✓  
Randy Smith, OHM ✓  
Rick Raines, EMD/IR ✓  
John Cotton, ROICC ✓  
Mick Senus, EMD/IR  
Neal Paul, EMD/IR

The weekly progress meeting was held at 12:30 hours on October 22, 1997, in the ROICC office at MCB Camp Lejeune. The following pages contain the topical items for each delivery order discussed during the meeting.

**D.O. 0015**

- Motors are in and should be running by the end of the week. Southerland Electric will pay for all four new motors. Two 20 hp and two 25hp.
- Lot 203 Cleanup will be completed by the end of the week.

**D.O. 0094**

- Results will be in on Friday.

**D.O. 115**

- Will sample 11/2/97

**D.O. 118**

- N & S plants running good.
- AFVR is doing great. OHM's Vacuum truck should be here Friday dedicated to Camp Lejeune.

**D.O. 143**

Site 822

- System running good.

Site 69

- System running good.

**Site 2478**

- Start up almost completed.

**Site 820**

- Working on start up.
- Rick will get with Randy next week on adding wells at 2477/78.

**D.O. 151**

- Is on hold until EMD finds out if we can place soils in the new land fill. EMD and ROICC asked if we could sample before we dig, so that we would not have to use roll off boxes.

**General**

- All information coming to EMD should be as follow's:
- Rick Raines receives all POL information.
- Mick Sensus receives all RCRA, CERCLA information.
- EMD asked if Cresol water could be treated in GWTP.
- Randy asked for BOD at 2477/78.

Respectfully submitted,  
**OHM Remediation Services Corp.**

Randy Smith  
Project Supervisor

pc: All Attendees  
John Franz, OHM  
Dwayne Curric, OHM  
Jimmie Whedbee, QA  
Job File - 19403

**Weekly Progress Meeting Minutes**  
**Navy Lantdiv Contract N62470-93-D-3032**  
**MCB CAMP LEJEUNE, NC**

Attendees: Brent Rowse- AREICC  
Neal Paul - EMD/IR  
Tom Morris - EMD/IR  
Mick Senus - EMD/IR  
Randy Smith - OHM Project Supervisor

The weekly Progress meeting was held at 14:00 hours on March 4, 1998 in the ROICC office at MCB Camp Lejeune. The following pages contain the topical items for each delivery order discussed during the meeting.

**D.O. 0015**

- Continue normal O&M.
- Replacing outside containment submersible pump.
- Treating both biocell rain water.
- Received 800 gallons from law last week.
- Treating building 25 tanker water 14,000 gallons to date.

**D.O. 118**

- Continue normal O&M.
- No AFVR events last week due to cleaning frac tanks at Camp Geiger.  
It was the most cost effective measure to take.

**D.O. 143**

AS- 822

- Sampled last week. System still off.

STT- 69

- Will sample 3/5/98. System still off.

TT- 2477/78

- Continue normal O&M. Starting Mod.3 this week.

Site 820

- Continue normal O&M.  
General, water table extremely high. Sampling systems quarterly.

**D.O. 151**

- Start date is the week of the 23rd.

**D.O. 83**

- Electrical inspection was performed on 3/3/98. No problems during inspection.
- O.H.M recommends final disposition of soils to be placed back on site.
- Start up will be next week.
- OHM. asked for BOD date.

**D.O. 78**

- Transporting Water for Baker when needed to GWTP.

**D.O. 94**

- Loaded out was last week. Still have a few more loads.
- Need total pounds disposed of so far to do a estimate.
- Work directive will follow with a ROM cost to dispose of the soils at a CERCLA approved landfill. (BFI)
- 112 cubic yards of soil from Camp street fuel farm that were successfully biotreated were stockpiled outside of the cell.
- All equipment has been demobed.

**D.O. 115**

- Continue to treat rain water.

Respectfully submitted,  
OHM Remediation Services Corp.

Randy Smith, Project Supervisor

pc: All Attendees  
Dwayne Currie, OHM  
John Franz, OHM  
Jimmie Whedbee, QA

**Weekly Progress Meeting Minutes**  
**Navy Lantdiv Contract N62470-93-D-3032**  
**MCB CAMP LEJEUNE, NC**

**Attendees:** Brent Rowse - AREICC  
Lori Reuther - LANTDIV  
Rick Raines - EMD/IR  
Mick Senus - EMD/IR  
John Cotton - ROICC  
Randy Smith - OHM Project Supervisor

The weekly Progress meeting was held at 14:00 hours on March 18, 1998 in the ROICC office at MCB Camp Lejeune. The following pages contain the topical items for each delivery order discussed during the meeting.

**D.O. 0015**

- System still down after acid backwash.
- OHM will take top section off of stripper tower. Remove all packing from both sections and notify ROICC and EMD on Monday to come out to determine what method they would like to do.
- It was discussed that OHM wouldn't discharge any water until both stripper and carbon cells are back on line with new packing or washed packing and new carbon in carbon cells.
- Received profile for liquid phase on 3/19/98. Thanks Tom Morris.
- I looked back on daily's and the plant has been in operation sense 9/4/96. So we only got one year and six months out of the packing and carbon. So it is my recommendation that unless the packing is fussed together which it does not appear to be. Most of the problem is solids in the tower which is easy it wash off. Once it's out of the tower, we wash the packing. In the future we will rinse the tower with 800gpm to try and break any solids from building up on the packing monthly. But that's the most economical thing I and the vendor knows to do. Common rule of thumb only replace packing if it can't be pressure washed.
- OHM had a first aid case at GWTP on 3/14/98.

**D.O. 118**

- Continue normal O&M.
- AFVR under existing fund will be extended to 5/4/98.
- Building 25 water will now be treated in the north plant.

**D.O. 143**AS- 822

- Was sampled 2/24/98. Data should be on everybody's deck soon. System still off.

STT- 69

- Was sampled 3/6/98. Data will be in at the end of the month. System still off.

TT- 2477/78

- Continue normal O&M. Start up of the four additional wells was on 3/16/98.  
Didn't impact field one performance. Asphalt is the only thing left to complete.

Site 820

- Continue normal O&M.  
General, water table extremely high still. Sampling systems quarterly. All water will now be treated in the north plant.  
Randy gave Rick Raines all start up data. Randy will give Rick a copy of as-builds drawing of the additional four wells as soon as OHM's cad guys are completed.  
Should be in a week or so.

**D.O. 151**

- Started on Monday. Started excavating today.

**D.O. 83**

- Start up was on 3/9/98.
- I forgot to ask about BOD date.

**D.O. 78**

- Transporting water for Baker when needed to north plant.
- A new work directive will be forthcoming because Duke is going to double production next week.

**D.O. 94**

- 1994 TCLP data on soils was submitted to BFI. If they don't approve data new TCLP will have to be collected.
- Soil is at 48 degrees. Will sample next good weather day.

**D.O. 115**

- Continue to treat rain water.
- 400 gallons was released but results showed it was clean

Respectfully submitted,  
OHM Remediation Services Corp.

Randy Smith, Project Supervisor

pc: All Attendees  
Kate Landman - RPM  
Dwayne Currie - OHM  
John Franz - OHM  
Jimmie Whedbee - QA

**Weekly Progress Meeting Minutes**  
**Navy Lantdiv Contract N62470-93-D-3032**  
**MCB CAMP LEJEUNE, NC**

Attendees: Brent Rowse- AREICC  
Kate Landman - LANTDIV by phone  
Rick Raines - EMD/IR  
Mick Sensus - EMD/IR  
Randy Smith - OHM Project Supervisor

The weekly Progress meeting was held at 14:00 hours on April 1, 1998 in the ROICC office at MCB Camp Lejeune. The following pages contain the topical items for each delivery order discussed during the meeting.

**D.O. 0015**

- System still down.
- OHM took all packing out of the top section and half of the bottom section. Brent and Mick came out to look at the packing and decided to wash packing. OHM will put the tower back together 4/4/98. New carbon will be in on 4/6/98. Plant should be operation next week after new sample data is in.

**D.O. 118**

- Continue normal O&M.
- Building 25 water will increase to 3000 gallons per day. OHM will handle the increase using existing equipment and personal.
- EMD will contact cherry point about disposal of AFVR free product at cherry point.

**D.O. 143**

AS- 822

- System still off.

STI- 69

- System still off. Was sampled 3/6/98.

IT- 2477/78

- Continue normal O&M. Asphalt has been completed.

Site 820

- Continue normal O&M.

**D.O. 151**

- 26 rolloffs have been loaded. Waiting on six samples results from lab.

**D.O. 83**

- Trench excavated soils still need to be spread out over site. Waiting for most economical time.
- Asked about BOD date.

**D.O. 78**

- Transporting water for Baker when needed to north plant.
- A new work directive will be forthcoming because Duke is going to double production next week.

**D.O. 94**

- Soils should be going out next week.
- Data is coming in.
- OHM was asked to look into other possible treatment of soils. With data for other sites cost and using equipment from as-822. All information needs to be presented in next meeting.

**D.O. 115**

- Continue to treat rain water.

General- As-builds needs to shipped to the ROICC office separate from the final report.

Respectfully submitted,

OHM Remediation Services Corp.

Randy Smith, Project Supervisor

pc: All Attendees  
Kate Landman - LANTDIV  
Lori Reuther - LANTDIV  
Dwayne Currie - OHM  
John Franz - OHM  
Jimmie Whedbee - QA

**Weekly Progress Meeting Minutes  
Navy Lantdiv Contract N62470-93-D-3032  
MCB CAMP LEJEUNE, NC**

Attendees: Brent Rowse- AREICC  
Neal Paul - EMD/IR  
Brian Marshburn - EMD/IR  
Rick Raines - EMD/IR  
Alan Whitt - OHM Project Manger  
Dorothy Small - OHM Sr. Project Chemist  
Randy Smith - OHM Project Supervisor

The weekly Progress meeting was held at 14:00 hours on April 15, 1998 in the ROICC office at MCB Camp Lejeune. The following pages contain the topical items for each delivery order discussed during the meeting.

**D.O. 0175**

- System on line as of April 13, 1998.
- Effluent sample results are below effluent discharge criteria. But the stripper showed a little higher than manufacture design on effluent concentrations. OHM will sample VOC's after 36hours of run time.
- Continue normal O&M.
- Building 25 water is being treated at the south plant.

**D.O. 118**

- Per base recommendation OHM will perform AFVR activities at MW-A daily for approximately one week since it is producing approximately 130 gallons of free product per event.

**D.O. 143**

AS- 822

- System still off.

STI- 69

- System still off.

TT- 2477/78

- Continue normal O&M. OHM to supply as-builts of extension to Rick Raines.

Site 820

- Continue normal O&M.

**D.O. 151**

- Project completed in field.

**D.O. 83**

- Continue O&M and will complete spreading stockpiled soils this week.
- Asked about BOD date.

**D.O. 78**

- Transporting water for Baker when needed to south plant.

**D.O. 94**

- The base has selected this project for ISO 14000. The base will contact OHM and let them know of additional reporting requirements.
- OHM will obtain costs to perform a bio-treatability study on representative base soils.
- OHM will supply base with an estimate to treat soils per cubic yard and criteria for future soils coming into the biocell. OHM will make recommendations based upon the bio-treatability study.

**D.O. 115**

- Continue to treat rain water.

General- As-builds needs to shipped to the ROICC office separate from the final report. DO 0175 replaces O&M of the Lot 203 plant, North plant, and South plant. After OHM exhausts existing funding for the biocells and air sparge/SVE systems they will also be covered under DO 0175.

Respectfully submitted,

OHM Remediation Services Corp.

Randy Smith, Project Supervisor

pc: All Attendees  
Kate Landman - LANTDIV  
Lori Reuther - LANTDIV  
Dwayne Currie - OHM  
John Franz - OHM  
Jimmie Whedbee - QA

APPENDIX G

Analytical Data



**OHM Remediation Services Corp**

Subsidiary of OHM Corporation  
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

**CHAIN-OF-CUSTODY RECORD**

LABORATORY COPY

AAL Project # 15976-A 206578

FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR <b>Elena Rodriguez</b>	LAB COORDINATOR'S PHONE <b>770-734-8060</b>	LAB COORDINATOR'S FAX <b>770-453-7716</b>	LABORATORY SERVICE ID <b>Accura Analytical</b>	LABORATORY CONTACT <b>David Fuller</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Services</b>
PROJECT NAME	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER	LABORATORY PHONE <b>770 449-8800</b>	LABORATORY FAX	RECIPIENT NAME <b>Elena Rodriguez</b>
PROJECT CONTACT <b>Russell Henderson</b>	PROJECT PHONE NUMBER <b>910-451-2390</b>	PROJECT FAX <b>910-451-1809</b>	LABORATORY ADDRESS <b>6017 Financial Drive</b>	ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>	
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd.</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Norcross, GA 30071</b>	CITY, STATE AND ZIP CODE <b>Norcross, GA 30092</b>	
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>770-734-8072</b>	PROJECT MANAGER'S FAX <b>770-453-7743</b>			

Item	Sample Identifier	Matrix	Date	Time	Temp	Preserved	# of Cont.	QC Level	T.A.T.	Analyses	Comments
1	CL151286 Rolloff #1	Soil	3/18/98	10:30	4°C	4	NEESA E	48hr	X	TCLP Pb FULL TCLP RCI PAINT Filter Total Pb STWLD #	Please fax results to SITE & to Elena Rodriguez
2	CL151287 Rolloff #2	Soil	3/18/98	11:30	4°C	1	NEESA E	48hr	X		Hold 3 JARS OF Sample CL151286 For Full TCLP, RCI and Paint Filter Test until Instructed to run test by Russell Henderson. Per Russell, run Full TCLP, RCI, Paint Filter on CL151286. DA-3/30/98
3	CL151288 Rolloff #3	Soil	3/18/98	1300	4°C	1	NEESA E	48hr	X		
4	CL151289 Rolloff #4	Soil	3/18/98	1345	4°C	1	NEESA E	48hr	X		
5	CL151290 Rolloff #5	Soil	3/18/98	1435	4°C	1	NEESA E	48hr	X		
6	CL151291-FB Field Blank	Water	3/18/98	11:00	HNO <sub>3</sub>	1	NEESA C	401 min	X		Total Pb only on CL151291-FB
7	CL151292 Rolloff #6	Soil	3/18/98	1515	4°C	1	NEESA E	48hr	X		
8	CL151293 Wall Composite 105, 107, 94	Soil	3/18/98	1530	4°C	1	NEESA E	48hr	X		CL151293 Total Pb Only
9	CL151294 Wall Composite 94, 81, 79, 94, 96	Soil	3/18/98	1540	4°C	1	NEESA E	48hr	X		CL151294 Total Pb Only
10											

SAMPLES COLLECTED BY <b>Russell Henderson</b>	COURIER AND AIR BILL NUMBER: <b>801960757764</b>	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY <b>Jim Dunn</b>	RECEIVED BY <b>FED EX</b>	SAMPLE'S CONDITION UPON RECEIPT
	DATE <b>3/18/98</b>	TIME <b>1600</b>
	DATE <b>3/18/98</b>	TIME <b>0930</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**ACCURA ANALYTICAL LABORATORY, INC.**  
6017 Financial Drive, Norcross, Georgia, 30071, Phone (770)449-8800

**CASE NARRATIVE for Project Number: 15976-A**  
**Client Project: Camp Lejeune**

The following items were encountered concerning this project:

1. The RPD was outside the method specified limits for the following analytes; however, the MS and MSD recoveries were both within acceptable limits.

TCLP Semivolatiles - SW-846-8270B

4-Nitrophenol

n-Nitroso-di-n-propylamine

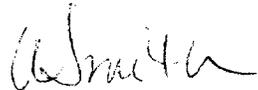
2. The matrix spike and matrix spike duplicate recoveries were outside the method specifies limits due to matrix interference.

TCLP Pesticides - SW-846-8081A

Heptachlor

Endrin

The laboratory control sample recoveries were within the acceptable limits; therefore the data satisfies the method requirements.



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Quality Assurance



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Client Services Representative

# ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB39573**

**Accura Project #: 15976-A**

Client: OHM Corporation-Norcross

Date Sampled: 3/18/98

Client Contact: R. HENDERSON

Date Received: 3/19/98

Client Project Number: 19668

Date Reported: 4/1/98

Client Project Name: CAMP LEJEUNE

Sample Matrix: SOIL

**Client Sample ID: CL 151286**

### ANALYSIS: Ignitability/Flash Point

Method Ref: 1010

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 4/1/98

Result Units: °F

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Ignitability/Flash Point

>140

80

### ANALYSIS: Paint Filter Test/Free Liquids

Method Ref: 9095

Date Analyzed: 3/30/98

Date Ext/Dig/Prep: 3/30/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Paint Filter Test / Free Liquids

0

0

### ANALYSIS: pH (Soil/Waste)

Method Ref: 9045C

Date Analyzed: 3/30/98

Date Ext/Dig/Prep: 3/30/98

Result Units: pH units

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

pH

6.4

0

### ANALYSIS: Reactive Cyanide

Method Ref: SW846-7.332

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Reactive Cyanide

<RDL

10

### ANALYSIS: Reactive Sulfide

Method Ref: SW846-7.342

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Reactive Sulfide

<RDL

10

**ANALYSIS: TCLP Extraction Procedure**

Method Ref: 1311

Date Analyzed: 3/30/98 Date Ext/Dig/Prep: 3/30/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

**ANALYSIS: TCLP Herbicides**

Method Ref: SW846-8151A

Date Analyzed: 4/1/98 Date Ext/Dig/Prep: 3/31/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2,4,5-TP (Silvex) (Reg Limit = 1.0)	<RDL	0.05
2,4-D (Reg Limit = 10.0)	<RDL	0.1

**ANALYSIS: TCLP Mercury**

Method Ref: 7470A

Date Analyzed: 3/30/98 Date Ext/Dig/Prep: 3/30/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

**ANALYSIS: TCLP Metals**

Method Ref: 3010A/6010B

Date Analyzed: 3/20/98 Date Ext/Dig/Prep: 3/20/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	1.1	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

**ANALYSIS: TCLP Pesticides**

Method Ref: 3520B/8081A

Date Analyzed: 3/31/98 Date Ext/Dig/Prep: 3/31/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Chlordane (Reg Limit = 0.03)	<RDL	0.01
Endrin (Reg Limit = 0.02)	<RDL	0.002
Heptachlor & Hep Epoxide (Limit = 0.008)	<RDL	0.002
Lindane (gamma-BHC) (Reg Limit = 0.4)	<RDL	0.004
Methoxychlor (Reg Limit = 10)	<RDL	0.1
Toxaphene (Reg Limit = 0.5)	<RDL	0.1

**ANALYSIS: TCLP SVOC's**

Method Ref: 3520B/8270B

Date Analyzed: 3/31/98 Date Ext/Dig/Prep: 3/31/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,4-Dichlorobenzene (Reg Limit = 7.5)	<RDL	0.04
2,4,5-Trichlorophenol (Reg Limit=400.0)	<RDL	0.04
2,4,6-Trichlorophenol (Reg Limit = 2.0)	<RDL	0.04
2,4-Dinitrotoluene (Reg Limit = 0.13)	<RDL	0.04
2-Methylphenol (Reg Limit = 200.0)	<RDL	0.04
4-Methylphenol (Reg Limit = 200.0)	<RDL	0.04
Hexachlorobenzene (Reg Limit = 0.13)	<RDL	0.04
Hexachlorobutadiene (Reg Limit = 0.5)	<RDL	0.04
Hexachloroethane (Reg Limit = 3.0)	<RDL	0.04
Nitrobenzene (Reg Limit = 2.0)	<RDL	0.04
Pentachlorophenol (Reg Limit = 100.0)	<RDL	0.04
Pyridine (Reg Limit = 5.0)	<RDL	0.04
Total Cresol (Reg Limit = 200.0)	<RDL	0.04

**ANALYSIS: TCLP-ZHE Leaching Extraction**

Method Ref: 1311

Date Analyzed: 3/30/98 Date Ext/Dig/Prep: 3/30/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP-ZHE Extraction	NA	0

**ANALYSIS: TCLP-ZHE VOC's**

Method Ref: 5030A/8260A

Date Analyzed: 3/31/98 Date Ext/Dig/Prep: 3/31/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1-Dichloroethene (Reg Limit = 0.7)	<RDL	0.05
1,2-Dichloroethane (Reg Limit = 0.5)	<RDL	0.05
Benzene (Reg Limit = 0.5)	<RDL	0.05
Carbon tetrachloride (Reg Limit = 0.5)	<RDL	0.05
Chlorobenzene (Reg Limit = 100.0)	<RDL	0.05
Chloroform (Reg Limit = 6.0)	<RDL	0.05
Methyl ethyl ketone (Reg Limit = 200.0)	<RDL	0.5
Tetrachloroethene (Reg Limit = 0.7)	<RDL	0.05
Trichloroethene (Reg Limit = 0.5)	<RDL	0.05
Vinyl chloride (Reg Limit = 0.2)	<RDL	0.05

**ANALYSIS: X TCLP HERB QC Surrogates**

Method Ref: SW846-8151A

Date Analyzed: 4/1/98 Date Ext/Dig/Prep: 3/31/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
DCAA	16	0

**ANALYSIS: X TCLP PEST QC Surrogates**

Method Ref: 3520B/8081A

Date Analyzed: 3/31/98      Date Ext/Dig/Prep: 3/31/98      Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	78	0
Tetrachloro-m-xylene	89	0

**ANALYSIS: X TCLP SVOC QC Surrogates**

Method Ref: 3520B/8270B

Date Analyzed: 3/31/98      Date Ext/Dig/Prep: 3/31/98      Result Units: %

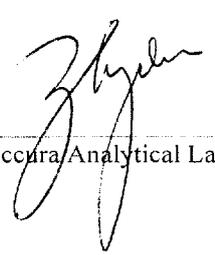
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2,4,6-Tribromophenol	86	0
2-Fluorobiphenyl	78	0
2-Fluorophenol	60	0
Nitrobenzene-d5	74	0
p-Terphenyl	80	0
Phenol-d6	59	0

**ANALYSIS: X TCLP-ZHE VOC QC Surrogates**

Method Ref: 5030A/8260A

Date Analyzed: 3/31/98      Date Ext/Dig/Prep: 3/31/98      Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	107	0
Bromofluorobenzene	106	0
Toluene-d8	99	0

  
Accura Analytical Laboratory, Inc.

# ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB39582**

**Accura Project #: 15976-A**

**Client: OHM Corporation-Norcross**

Date Sampled: 3/18/98

Client Contact: R. HENDERSON

Date Received: 3/19/98

Client Project Number: 19668

Date Reported: 4/1/98

Client Project Name: CAMP LEJEUNE

Sample Matrix: SOIL

**Client Sample ID: METHOD BLANK**

### ANALYSIS: Reactive Cyanide

Method Ref: SW846-7.332

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Reactive Cyanide

<RDL

10

### ANALYSIS: Reactive Sulfide

Method Ref: SW846-7.342

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Reactive Sulfide

<RDL

10

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/30/98

Date Ext/Dig/Prep: 3/30/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Herbicides

Method Ref: SW846-8151A

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

2,4,5-TP (Silvex) (Reg Limit = 1.0)

<RDL

0.05

2,4-D (Reg Limit = 10.0)

<RDL

0.1

### ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/30/98

Date Ext/Dig/Prep: 3/30/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Mercury (Reg Limit = 0.2)

<RDL

0.01

**ANALYSIS: TCLP Metals**

Method Ref: 3010A/6010B

Date Analyzed: 3/20/98

Date Ext/Dig/Prep: 3/20/98

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

**ANALYSIS: TCLP Pesticides**

Method Ref: 3520B/8081A

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Chlordane (Reg Limit = 0.03)	<RDL	0.01
Endrin (Reg Limit = 0.02)	<RDL	0.002
Heptachlor & Hep Epoxide (Limit = 0.008)	<RDL	0.002
Lindane (gamma-BHC) (Reg Limit = 0.4)	<RDL	0.004
Methoxychlor (Reg Limit = 10)	<RDL	0.1
Toxaphene (Reg Limit = 0.5)	<RDL	0.1

**ANALYSIS: TCLP SVOC's**

Method Ref: 3520B/8270B

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,4-Dichlorobenzene (Reg Limit = 7.5)	<RDL	0.04
2,4,5-Trichlorophenol (Reg Limit=400.0)	<RDL	0.04
2,4,6-Trichlorophenol (Reg Limit = 2.0)	<RDL	0.04
2,4-Dinitrotoluene (Reg Limit = 0.13)	<RDL	0.04
2-Methylphenol (Reg Limit = 200.0)	<RDL	0.04
4-Methylphenol (Reg Limit = 200.0)	<RDL	0.04
Hexachlorobenzene (Reg Limit = 0.13)	<RDL	0.04
Hexachlorobutadiene (Reg Limit = 0.5)	<RDL	0.04
Hexachloroethane (Reg Limit = 3.0)	<RDL	0.04
Nitrobenzene (Reg Limit = 2.0)	<RDL	0.04
Pentachlorophenol (Reg Limit = 100.0)	<RDL	0.04
Pyridine (Reg Limit = 5.0)	<RDL	0.04
Total Cresol (Reg Limit = 200.0)	<RDL	0.04

**ANALYSIS: TCLP-ZHE Leaching Extraction**

Method Ref: 1311

Date Analyzed: 3/30/98

Date Ext/Dig/Prep: 3/30/98

Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP-ZHE Extraction	NA	0

**ANALYSIS: TCLP-ZHE VOC's**

Method Ref: 5030A/8260A

Date Analyzed: 3/31/98 Date Ext/Dig/Prep: 3/31/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1-Dichloroethene (Reg Limit = 0.7)	<RDL	0.05
1,2-Dichloroethane (Reg Limit = 0.5)	<RDL	0.05
Benzene (Reg Limit = 0.5)	<RDL	0.05
Carbon tetrachloride (Reg Limit = 0.5)	<RDL	0.05
Chlorobenzene (Reg Limit = 100.0)	<RDL	0.05
Chloroform (Reg Limit = 6.0)	<RDL	0.05
Methyl ethyl ketone (Reg Limit = 200.0)	<RDL	0.5
Tetrachloroethene (Reg Limit = 0.7)	<RDL	0.05
Trichloroethene (Reg Limit = 0.5)	<RDL	0.05
Vinyl chloride (Reg Limit = 0.2)	<RDL	0.05

**ANALYSIS: X TCLP HERB QC Surrogates**

Method Ref: SW846-8151A

Date Analyzed: 4/1/98 Date Ext/Dig/Prep: 3/31/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
DCAA	66	0

**ANALYSIS: X TCLP PEST QC Surrogates**

Method Ref: 3520B/8081A

Date Analyzed: 3/31/98 Date Ext/Dig/Prep: 3/31/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	116	0
Tetrachloro-m-xylene	111	0

**ANALYSIS: X TCLP SVOC QC Surrogates**

Method Ref: 3520B/8270B

Date Analyzed: 3/31/98 Date Ext/Dig/Prep: 3/31/98 Result Units: %

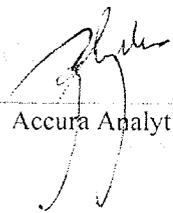
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2,4,6-Tribromophenol	95	0
2-Fluorobiphenyl	87	0
2-Fluorophenol	66	0
Nitrobenzene-d5	86	0
p-Terphenyl	83	0
Phenol-d6	64	0

**ANALYSIS: X TCLP-ZHE VOC QC Surrogates**

Method Ref: 5030A/8260A

Date Analyzed: 3/31/98 Date Ext/Dig/Prep: 3/31/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	112	0
Bromofluorobenzene	113	0



Accura Analytical Laboratory, Inc.



# OHM Remediation Services Corp

Subsidiary of OHM Corporation

U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

## CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

206596

FORM 0019 REV 2/97

AAL Project 16002

1 of 1

OHM LAB COORDINATOR Elena Rodriguez	LAB COORDINATOR'S PHONE 770-734-8060	LAB COORDINATOR'S FAX 770-453-7716	LABORATORY SERVICE ID Accuracy	LABORATORY CONTACT David Fuller	MAIL REPORT (COMPANY NAME) OHM Remediation Services
PROJECT NAME Monford PT	PROJECT LOCATION Camp Lejeune	PROJECT NUMBER 19668	LABORATORY PHONE 770-499-8800	LABORATORY FAX	RECIPIENT NAME Elena Rodriguez
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUMBER 910-451-2390	PROJECT FAX 910-451-1809	LABORATORY ADDRESS 6017 Financial Dr.	ADDRESS 5445 Triangle Pkwy, Ste 400	
PROJECT ADDRESS Lot 203 Holcomb Blvd.	CITY, STATE AND ZIP CODE Camp Lejeune, NC	CLIENT LANTDIV	CITY, STATE AND ZIP CODE Norcross, GA 30071	CITY, STATE AND ZIP CODE Norcross, GA 30092	
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S PHONE 770-734-8072	PROJECT MANAGER'S FAX 770-453-7743	Analyses Total Pb TCLP Pb		

Item	Sample Identifier	Matrix	Date	Time	Temp	Preserved	# of Cont	OC Level	T.A.T	Comments
1	CL151295 RollOff #7	Soil	3/19/98	16:30	4°C	1	NEESA E	48hr	X	Please fax results to SITE & to Elena Rodriguez 39774
2	CL151296FB Field Blank	Water	3/24/98	0800	HNO <sub>3</sub>	1	NEESA C	48hr	X	39775
3	CL151297 RollOff #8	Soil	3/24/98	0745	4°C	1	NEESA E	48hr	X	39776
4	CL151298 RollOff #9	Soil	3/20/98	0845	4°C	1	NEESA E	48hr	X	39777
5	CL151299 RollOff #10	Soil	3/20/98	1020	4°C	1	NEESA E	48hr	X	39778
6	CL151300 Well Comp of 94, 91, 70, 49, 38	Soil	3/20/98	0900	4°C	1	NEESA C	48hr	X	39779
7	CL151301 Well Comp of 47, 58, 73	Soil	3/24/98	0915	4°C	1	NEESA C	48hr	X	39780
8	CL151302 Floor Comp of 105, 104, 94, 61, 74	Soil	3/24/98	0930	4°C	1	NEESA C	48hr	X	39781
9	CL151303 Well Comp 58, 47, 56, 72	Soil	3/24/98	0945	4°C	1	NEESA C	48hr	X	39782
10	CL151304 Floor Comp 88, 99, 70, 54, 75	Soil	3/24/98	1030	4°C	1	NEESA C	48hr	X	39783

SAMPLE COLLECTED BY Russell Henderson	COURIER AND AIR BILL NUMBER 801960759753	COOLER TEMPERATURE UPON RECEIPT 5°C
RELINQUISHED BY Russell Henderson	RECEIVED BY Fed Ex	SAMPLE CONDITION UPON RECEIPT Good
	DATE 3/20/98	TIME 16:00
	DATE 3-23-98	TIME 0:9:30

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



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## CHAIN-OF-CUSTODY RECORD

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FORM 0019 REV 2-97

AAL Project 16002

2 of 2

OHM's LAB COORDINATOR Elena Rodriguez	LAB COORDINATOR'S PHONE 770-734-8060	LAB COORDINATOR'S FAX 770-453-7716	LABORATORY SERVICE ID Accura Analytical	LABORATORY CONTACT David Fuller	MAIL REPORT (COMPANY NAME) OHM Remediation Services
PROJECT NAME Monford Pt	PROJECT LOCATION Camp Lejeune	PROJECT NUMBER 19668	LABORATORY PHONE 770-449-8800	LABORATORY FAX	LABORATORY NAME Elena Rodriguez
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUMBER 910-451-2390	PROJECT FAX 910-451-1809	LABORATORY ADDRESS 6017 Financial Dr		ADDRESS 5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb Blvd.	CITY, STATE AND ZIP CODE Camp Lejeune, NC	CLIENT LANTDIV	CITY, STATE AND ZIP CODE Norcross GA 30071		CITY, STATE AND ZIP CODE Norcross, GA 30092
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S PHONE 770-734-8072	PROJECT MANAGER'S FAX 770-453-7743			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses										Comments AAL#: AB			
									Total Pb	TCLP Pb												
1	CL151305 Floor Comp 73,58,47,72,56	Soil	3/20/98	1040	4°C	1	NEESA C	48hr	X													Please fax results to SITE & to Elena Rodriguez 39784
2	CL151306 Floor Comp 37,38,49,50,60	Soil	3/20/98	1050	4°C	1	NEESA C	48hr	X													CL151305 is Floor Comp of 73,58,47,72,56,100 39784
3	CL151307 Floor Comp 39,40,61,77,95	Soil	3/20/98	1110	4°C	1	NEESA C	48hr	X													39786
4	CL151308 Floor Comp 39,40,61,77,95	Soil	3/20/98	1110	4°C	1	NEESA C	48hr	X													39787
5	CL151309 Wall Comp 99,88,74	Soil	3/20/98	1055	4°C	1	NEESA C	48hr	X													39788
6	CL151310 Wall Comp 95,77,60,75	Soil	3/20/98	1100	4°C	1	NEESA C	48hr	X													39789
7	CL151311 Wall Comp 95,77,60,75	Soil	3/20/98	1100	4°C	1	NEESA C	48hr	X													39790
8	CL151312 Rolloff #11	Soil	3/20/98	1220	4°C	1	NEESA E	48hr	X	X												39791
9	CL151313 Rolloff #12	Soil	3/20/98	1410	4°C	1	NEESA E	48hr	X	X												39792
10	CL151314 Floor Comp 3,4,5,6,41	Soil	3/20/98	1430	4°C	1	NEESA E	48hr	X													39793

SAMPLES COLLECTED BY Russell Henderson	COURIER AND AIR BILL NUMBER 801960759753	COOLER TEMPERATURE UPON RECEIPT 5°C	
RELINQUISHED BY Russell Henderson	RECEIVED BY FED Ex Michael Trinidad	DATE 3/20/98	TIME 1600
		DATE 3-23-98	TIME 09:30
		SAMPLE'S CONDITION UPON RECEIPT Good	

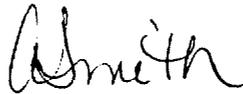
Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**ACCURA ANALYTICAL LABORATORY, INC.**  
6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

**CASE NARRATIVE for Project Number: 16002**  
**Client Project: MonFord PT / 19668**

The following item is noted concerning this project:

1. All soil results for this project are reported on a dry weight basis.



---

Quality Assurance



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Client Services Representative

# ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB39774**

**Accura Project #: 16002**

Client: OHM Corporation-Norcross

Date Sampled: 3/19/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151295

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/23/98

Date Ext/Dig/Prep: 3/23/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/L

#### Analyte Name

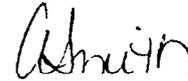
#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



Accura Analytical Laboratory, Inc.

# ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB39775

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: WATER

Client Sample ID: CL151296 FB

### ANALYSIS: Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/L

### Analyte Name

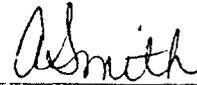
### Analytical Results

### Reported Detection Limits

Lead

<RDL

0.05



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## LABORATORY REPORT

Accura Sample ID #: AB39776

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151297

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/23/98    Date Ext/Dig/Prep: 3/23/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/25/98    Date Ext/Dig/Prep: 3/24/98

Result Units: mg/L

#### Analyte Name

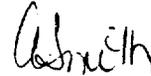
#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



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**LABORATORY REPORT**

**Accura Sample ID #: AB39777**

**Accura Project #: 16002**

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151298

**ANALYSIS: TCLP Extraction Procedure**

Method Ref: 1311

Date Analyzed: 3/23/98

Date Ext/Dig/Prep: 3/23/98

Result Units:

Analyte Name

Analytical Results

Reported Detection Limits

TCLP Extraction

NA

0

**ANALYSIS: TCLP Metals - Lead**

Method Ref: 3010A/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

Lead (Reg Limit = 5.0)

1.1

1

*Smith*

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## LABORATORY REPORT

Accura Sample ID #: AB39778

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151299

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/23/98

Date Ext/Dig/Prep: 3/23/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

1.9

1



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## LABORATORY REPORT

Accura Sample ID #: AB39779

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151300

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

73

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

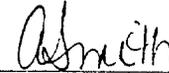
#### Analytical Results

#### Reported Detection Limits

Lead

98

5



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## LABORATORY REPORT

**Accura Sample ID #: AB39780**

**Accura Project #: 16002**

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151301

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

78

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

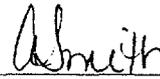
#### Analytical Results

#### Reported Detection Limits

Lead

42

5



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**LABORATORY REPORT**

**Accura Sample ID #: AB39781**

**Accura Project #: 16002**

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151302

ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

Analyte Name

Analytical Results

Reported Detection Limits

Solids

75

0.01

ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

Analyte Name

Analytical Results

Reported Detection Limits

Lead

43

5



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## LABORATORY REPORT

Accura Sample ID #: AB39782

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151303

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

83

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

350

5



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## LABORATORY REPORT

**Accura Sample ID #: AB39783**

**Accura Project #: 16002**

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151304

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

77

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

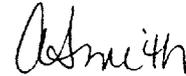
#### Analytical Results

#### Reported Detection Limits

Lead

91

5



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## LABORATORY REPORT

Accura Sample ID #: AB39784

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151305

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

85

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

32

5



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## LABORATORY REPORT

**Accura Sample ID #: AB39785**

**Accura Project #: 16002**

**Client: OHM Corporation-Norcross**

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

**Client Sample ID: CL151306**

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

84

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

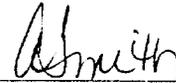
#### Analytical Results

#### Reported Detection Limits

Lead

30

5



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## LABORATORY REPORT

Accura Sample ID #: AB39786

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151307

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

84

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

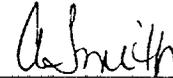
#### Analytical Results

#### Reported Detection Limits

Lead

150

5



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## LABORATORY REPORT

Accura Sample ID #: AB39787

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151308

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

85

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

98

5



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## LABORATORY REPORT

Accura Sample ID #: AB39788

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151309

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

77

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

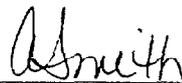
#### Analytical Results

#### Reported Detection Limits

Lead

130

5



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## LABORATORY REPORT

Accura Sample ID #: AB39789

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151310

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

82

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

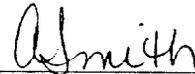
#### Analytical Results

#### Reported Detection Limits

Lead

180

5



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## LABORATORY REPORT

**Accura Sample ID #: AB39790**

**Accura Project #: 16002**

**Client: OHM Corporation-Norcross**

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151311

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

81

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

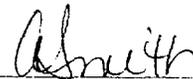
#### Analytical Results

#### Reported Detection Limits

Lead

130

5



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## LABORATORY REPORT

**Accura Sample ID #: AB39791**

**Accura Project #: 16002**

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151312

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/23/98    Date Ext/Dig/Prep: 3/23/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/25/98    Date Ext/Dig/Prep: 3/24/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

36

1



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## LABORATORY REPORT

Accura Sample ID #: AB39792

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151313

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/23/98

Date Ext/Dig/Prep: 3/23/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

4.3

1



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## LABORATORY REPORT

Accura Sample ID #: AB39793

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: CL151314

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

83

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

290

5



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## LABORATORY REPORT

Accura Sample ID #: AB39794

Accura Project #: 16002

Client: OHM Corporation-Norcross

Date Sampled: 3/19/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

5

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/23/98

Date Ext/Dig/Prep: 3/23/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/L

#### Analyte Name

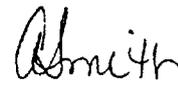
#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



Accura Analytical Laboratory, Inc.

# ACCURA ANALYTICAL LABORATORY, INC.

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FL. Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB39795**

**Accura Project #: 16002**

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/23/98

Client Project Number: 19668

Date Reported: 3/25/98

Client Project Name: MonFord PT

Sample Matrix: WATER

Client Sample ID: **METHOD BLANK**

ANALYSIS: Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/24/98

Result Units: mg/L

Analyte Name

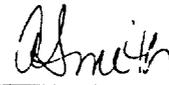
Analytical Results

Reported Detection Limits

Lead

<RDL

0.05



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# OHM Remediation Services Corp

Subsidiary of OHM Corporation  
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

## CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

206598

FORM 0019 REV. 2-97

OHM LAB COORDINATOR Elena Rodriguez	LAB COORDINATOR'S PHONE 770-734-8060	LAB COORDINATOR'S FAX 770-453-7716	LABORATORY SERVICE ID Accura Analytical	LABORATORY CONTACT David Fuller	MAIL REPORT (COMPANY NAME) OHM Remediation Services
PROJECT NAME Non Ford Point	PROJECT LOCATION Camp Lejeune	PROJECT NUMBER 19668	LABORATORY PHONE 770-449-8800	LABORATORY FAX	RECIPIENT NAME Elena Rodriguez
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUMBER 910-451-2390	PROJECT FAX 910-451-1809	LABORATORY ADDRESS 6017 Financial Drive	ADDRESS 5445 Triangle Pkwy, Ste 400	
PROJECT ADDRESS Lot 203 Holcomb Blvd.	CITY, STATE AND ZIP CODE Camp Lejeune, NC	CLIENT LANTDIV	CITY, STATE AND ZIP CODE Norcross GA 30071	CITY, STATE AND ZIP CODE Norcross, GA 30092	
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S PHONE 770-734-8072	PROJECT MANAGER'S FAX 770-453-7743	Analyses Total P6 TCLP P6 ARC Proj # 10030		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	OC Level	T.A.T.	Comments
1	CL151315 Roll off # 13	Soil	3/24/98	1630	4°C	1	NEESA E	48hr	Please fax results to SITE & to Elena Rodriguez RB 40047
2	CL151316 Field Blank	Water	3/23/98	1100	HNO <sub>3</sub>		NEESA C		RB 40048
3	CL151317 Comp Wall 12, 41, 77, 95	Soil	3/23/98	1040	4°C		NEESA C		RB 40049
4	CL151318 Comp Wall 12, 41, 77, 95		3/23/98	1040			NEESA C		RB 40050
5	CL151319 Comp Floor 9, 10, 11, 12, 18		3/23/98	1030			NEESA C		RB 40051
6	CL151320 Comp Floor 9, 10, 11, 12, 18		3/23/98	1030			NEESA C		RB 40052
7	CL151321 Roll off # 14		3/23/98	1100			NEESA E		RB 40053
8	CL151322 Roll off # 15		3/23/98	1110			NEESA E		RB 40054
9	CL151323 Comp Wall 100, 97, 80		3/21/98	7:55			NEESA C		RB 40055
10	<del>CL151324</del>								

SAMPLES COLLECTED BY Russell Henderson	COURIER AND AIR BILL NUMBER 803809119549-801960759720	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY FedEx	RECEIVED BY FedEx Matthew Wade	SAMPLE'S CONDITION UPON RECEIPT
	DATE 3/24/98	TIME 1600
	DATE 3/25/98	TIME 0945



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## CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

206589

FORM 0019 REV 2-97

LAB COORDINATOR <b>Elena Rodriguez</b>	LAB COORDINATOR'S PHONE <b>770-734-8060</b>	LAB COORDINATOR'S FAX <b>770-453-7716</b>	LABORATORY SERVICE ID <b>Accu-Matrix</b>	LABORATORY CONTACT <b>David Fuller</b>	MAIL REPORT (COMPANY NAME) <b>OHM Remediation Services</b>
PROJECT NAME <b>Novato rd Paint</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19669</b>	LABORATORY PHONE <b>770-444-8800</b>	LABORATORY FAX	RECIPIENT NAME <b>Elena Rodriguez</b>
PROJECT CONTACT <b>Russell Henderson</b>	PROJECT PHONE NUMBER <b>910-451-2390</b>	PROJECT FAX <b>910-451-1809</b>	LABORATORY ADDRESS <b>6017 Financial Dr</b>		ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd.</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Norcross GA 30071</b>		CITY, STATE AND ZIP CODE <b>Norcross, GA 30092</b>
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE <b>770-734-8072</b>	PROJECT MANAGER'S FAX <b>770-453-7743</b>	<i>Analyses</i> <b>TOTAL PG 6</b> <b>TCLPP PG</b>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analysis	Comments
1	CL151324 Roll off # 16	soil	3/24/98	7:30	40C	1	NEESA E	48h	X	Please fax results to SITE & to Elena Rodriguez #B40056
2	CL151325 Roll off # 17	soil	3/24/98	7:25			E		X	ATB 40057
3	CL151326 Roll off # 18	soil	3/24/98	7:15			E		X	ATB 40058
4	CL151327 Roll off # 19	soil	3/24/98	7:40			E		X	ATB 40059
5	CL151328 44,34,29 Comp Wall	soil	3/24/98	8:10			C		X	ATB 40060
6	CL151329 30,43,53,64, Comp Wall	soil	3/24/98	8:20			C		X	ATB 40061
7	CL151330 64,53,62,18 Comp Wall	soil	3/24/98	7:50			C		X	ATB 40062
8	CL151331 62,30,43,53,64 Floor	soil	3/24/98	8:50			C		X	ATB 40063
9	CL151332 29,32,37,34,44	soil	3/24/98	9:00	✓		C		X	ATB 40064
10	CL151333 FB Field Blank	water	3/24/98	9:30	HMO's		C	✓	X	ATB 40065

SAMPLES COLLECTED BY <b>Ed Rogers</b>	COURIER AND AIR BILL NUMBER <b>801960759720</b>	COOLER TEMPERATURE UPON RECEIPT	
RELINQUISHED BY <b>Randy Smith</b>	RECEIVED BY <b>Fred Ex</b>	DATE <b>3/24/98</b>	TIME <b>16:00</b>
<b>Fred Ex</b>	<b>Boatman Wade</b>	<b>3/25/98</b>	<b>0945</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**ACCURA ANALYTICAL LABORATORY, INC.**  
6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

**CASE NARRATIVE for Project Number: 16030**  
**Client Project: Monford Point / 19668**

The following item was noted concerning this project:

1. All soil results are reported on a dry weight basis.



Quality Assurance



Client Services Representative

# ACCURA ANALYTICAL LABORATORY, INC.

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FL Certification # E87429

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SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40047

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151315

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/L

#### Analyte Name

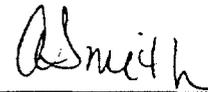
#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

6.5

1



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## LABORATORY REPORT

**Accura Sample ID #: AB40048**

**Accura Project #: 16030**

Client: OHM Corporation-Norcross

Date Sampled: 3/20/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: WATER

Client Sample ID: CL 151316 FB

**ANALYSIS: Metals - Lead**

Method Ref: 3010A/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/25/98

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

Lead

<RDL

0.05



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## LABORATORY REPORT

Accura Sample ID #: AB40049

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/23/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151317

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

85

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

85

5



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## LABORATORY REPORT

Accura Sample ID #: AB40050

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/23/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151318

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

85

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

110

5



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USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40051

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/23/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151319

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

86

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

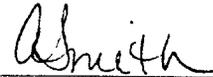
#### Analytical Results

#### Reported Detection Limits

Lead

660

5



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FL Certification # E87429

NC Certification # 483

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USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB40052**

**Accura Project #: 16030**

Client: OHM Corporation-Norcross

Date Sampled: 3/23/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151320

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

89

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

350

5



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USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40053

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/23/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151321

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

2.5

1



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## LABORATORY REPORT

Accura Sample ID #: AB40054

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/23/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151322

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

3.5

1



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## LABORATORY REPORT

Accura Sample ID #: AB40055

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151323

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

91

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

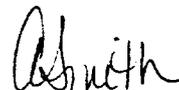
#### Analytical Results

#### Reported Detection Limits

Lead

14

5



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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB40056**

**Accura Project #: 16030**

Client: OHM Corporation-Norcross

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151324

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/L

#### Analyte Name

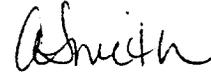
#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

4.3

1



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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40057

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151325

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/L

#### Analyte Name

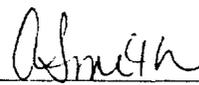
#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1

  
Accura Analytical Laboratory, Inc.

# ACCURA ANALYTICAL LABORATORY, INC.

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## LABORATORY REPORT

**Accura Sample ID #: AB40058**

**Accura Project #: 16030**

Client: OHM Corporation-Norcross

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151326

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

4.7

1



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## LABORATORY REPORT

Accura Sample ID #: AB40059

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151327

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40060

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151328

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

88

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

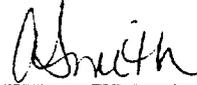
#### Analytical Results

#### Reported Detection Limits

Lead

57

5



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## LABORATORY REPORT

**Accura Sample ID #: AB40061**

**Accura Project #: 16030**

**Client: OHM Corporation-Norcross**

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151329

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

86

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

8.4

5



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## LABORATORY REPORT

Accura Sample ID #: AB40062

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151330

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

85

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

19

5



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## LABORATORY REPORT

Accura Sample ID #: AB40063

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151331

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

88

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

5



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## LABORATORY REPORT

Accura Sample ID #: AB40064

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151332

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

87

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

430

5



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## LABORATORY REPORT

**Accura Sample ID #: AB40065**

**Accura Project #: 16030**

Client: OHM Corporation-Norcross

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: WATER

Client Sample ID: CL 151333 FB

**ANALYSIS: Metals - Lead**

Method Ref: 3010A/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/25/98

Result Units: mg/L

Analyte Name

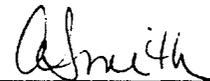
Analytical Results

Reported Detection Limits

Lead

<RDL

0.05



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## LABORATORY REPORT

Accura Sample ID #: AB40066

Accura Project #: 16030

Client: OHM Corporation-Norcross

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

5

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/25/98

Date Ext/Dig/Prep: 3/25/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1

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NC Certification # 483

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## LABORATORY REPORT

**Accura Sample ID #: AB40067**

**Accura Project #: 16030**

Client: OHM Corporation-Norcross

Date Sampled: 3/24/98

Client Contact: R. HENDERSON

Date Received: 3/25/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: WATER

Client Sample ID: METHOD BLANK

### ANALYSIS: Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/25/98

Result Units: mg/L

#### Analyte Name

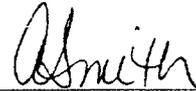
#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

0.05



Accura Analytical Laboratory, Inc.



# OHM Remediation Services Corp

Subsidiary of OHM Corporation

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## CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

206587

FORM 0019 REV 2-97

OHM'S LAB COORDINATOR Elena Rodriguez	LAB COORDINATOR'S PHONE 770-734-8060	LAB COORDINATOR'S FAX 770-453-7716	LABORATORY SERVICE ID Accura Analytical	LABORATORY CONTACT David Fuller	MAIL REPORT (COMPANY NAME) OHM Remediation Services
PROJECT NAME Manford Point	PROJECT LOCATION Camp Lejeune	PROJECT NUMBER 19668	LABORATORY PHONE 770-449-8800	LABORATORY FAX	RECIPIENT NAME Elena Rodriguez
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUMBER 910-451-2390	PROJECT FAX 910-451-1809	LABORATORY ADDRESS 6017 Financial Dr.		ADDRESS 5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb Blvd.	CITY, STATE AND ZIPCODE Camp Lejeune, NC	CLIENT LANTDIV	CITY, STATE AND ZIPCODE Norcross, GA 30071		CITY, STATE AND ZIPCODE Norcross, GA 30092
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S PHONE 770-734-8072	PROJECT MANAGER'S FAX 770-453-7743	<div style="text-align: right;">ANAL PROJ. # 10041</div>		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	OC Level	T.A.T.	Analyses	Comments	
1	CL151334FB Field Blank	Water	2/25/98	0900	H <sub>2</sub> O <sub>2</sub>	1	MEGA C	48hr	X	Please fax results to SITE & to Elena Rodriguez ATB40171	
2	CL151335 Well Camp 80, 46, 68	Soil		1115	4°C		MEGA E		X		ATB40172
3	CL151336 Well Camp 19, 26, 32, 33			1100					X		ATB40173
4	CL151337 Well Camp 1, 7, 13			1225					X		ATB40174
5	CL151338 Well Camp 8, 2, 4			1235					X		ATB40175
6	CL151339 Well Camp 17, 23, 24			1250					X		ATB40176
7	CL151340 Well Camp 24, 17			1300					X		ATB40177
8	CL151341 Floor Camp 14, 15, 16, 19, 20			1130					X		ATB40178
9	CL151342 Floor Camp 21, 22, 26, 27, 28			1150					X		ATB40179
10	CL151343 Floor Camp 97, 93, 80, 19, 46, 80			1210					X		ATB40180

SAMPLES COLLECTED BY FD Rodgers	COURIER AND AIR BILL NUMBER 801960759710	COOLER TEMPERATURE UPON RECEIPT 4°C
RELINQUISHED BY FedEx	RECEIVED BY FedEx Anthony Cade	SAMPLE'S CONDITION UPON RECEIPT Good
	DATE 2/25/98	TIME 1600
	DATE 3/26/98	TIME 0930

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



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## CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

206585

FORM 0019 REV 2-97

OHM LAB COORDINATOR Elena Rodriguez	LAB COORDINATOR'S PHONE 770-734-8060	LAB COORDINATOR'S FAX 770-453-7716	LABORATORY SERVICE ID Acqua Analytical	LABORATORY CONTACT David Fuller	MAIL REPORT (COMPANY NAME) OHM Remediation Services
PROJECT NAME Monford Point	PROJECT LOCATION Camp Lejeune	PROJECT NUMBER 19668	LABORATORY PHONE 770-449-8800	LABORATORY FAX	RECIPIENT NAME Elena Rodriguez
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUMBER 910-451-2390	PROJECT FAX 910-451-1809	LABORATORY ADDRESS 6017 Financial Drive		ADDRESS 5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb Blvd.	CITY, STATE AND ZIP CODE Camp Lejeune, NC	CLIENT LANTDIV	CITY, STATE AND ZIP CODE Norcross GA 30071		CITY, STATE AND ZIP CODE Norcross, GA 30092
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S PHONE 770-734-8072	PROJECT MANAGER'S FAX 770-453-7743	Analyses ICLPP6 AAAL PROJ # 16041 Comments		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	OC Level	T.A.T	Analyses	Comments
1	CL151344 COMP ALL WALLS	Soil	3/25/98	1350	4°C	1	MEGA C	48hr	X	Please fax results to SITE & to Elena Rodriguez AB340181 AB340182 AB3 AB340183 AB340184 AB340185
2	CL151345 COMP ALL FLOORS	↓	↓	1410	↓	↓	↓	↓	X	
3	CL151346 Roll off #20	↓	↓	1310	↓	↓	↓	↓	X	
4	CL151347 Roll off #21	↓	↓	1315	↓	↓	↓	↓	X	
5	CL151348 Roll off #22	↓	↓	1325	↓	↓	↓	↓	X	
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: Russell Henderson	COURIER AND AIR BILL NUMBER: 801960759710	COOLER TEMPERATURE UPON RECEIPT: 4°C			
RELINQUISHED BY: [Signature]	RECEIVED BY: [Signature]	DATE: 3/25/98	TIME: 1600	SAMPLE'S CONDITION UPON RECEIPT: GOOD	
		3/26/98	0930		

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**ACCURA ANALYTICAL LABORATORY, INC.**  
6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

**CASE NARRATIVE for Project Number: 16041**  
**Client Project: Monford Point / 19668**

The following item was noted concerning this project:

1. All soil results are reported on a dry weight basis.



---

Quality Assurance



---

Client Services Representative

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FL Certification # E87429

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USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40171

Accura Project #: 16041

Client: OHM Corporation-Norcross

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: WATER

Client Sample ID: CL 151334FB

### ANALYSIS: Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

0.05



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## LABORATORY REPORT

**Accura Sample ID #: AB40172**

**Accura Project #: 16041**

Client: OHM Corporation-Norcross

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151335

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

93

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

5



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## LABORATORY REPORT

**Accura Sample ID #: AB40173**

**Accura Project #: 16041**

**Client: OHM Corporation-Norcross**

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151336

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

86

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

19

5



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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40174

Accura Project #: 16041

Client: OHM Corporation-Norcross

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151337

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

93

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

70

5



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## LABORATORY REPORT

Accura Sample ID #: AB40175

Accura Project #: 16041

Client: OHM Corporation-Norcross

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151338

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

88

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

91

5



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## LABORATORY REPORT

Accura Sample ID #: AB40176

Accura Project #: 16041

Client: OHM Corporation-Norcross

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151339

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

85

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

280

5



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## LABORATORY REPORT

Accura Sample ID #: AB40177

Accura Project #: 16041

Client: OHM Corporation-Norcross

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151340

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

88

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

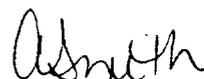
#### Analytical Results

#### Reported Detection Limits

Lead

24

5



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## LABORATORY REPORT

Accura Sample ID #: AB40178

Accura Project #: 16041

Client: OHM Corporation-Norcross

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151341

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

84

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

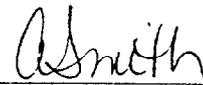
#### Analytical Results

#### Reported Detection Limits

Lead

450

5



Accura Analytical Laboratory, Inc.

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FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB40179**

**Accura Project #: 16041**

**Client: OHM Corporation-Norcross**

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151342

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

83

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

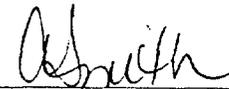
#### Analytical Results

#### Reported Detection Limits

Lead

180

5



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## LABORATORY REPORT

**Accura Sample ID #: AB40180**

**Accura Project #: 16041**

**Client: OHM Corporation-Norcross**

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151343

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

85

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

310

5



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## LABORATORY REPORT

Accura Sample ID #: AB40181

Accura Project #: 16041

Client: OHM Corporation-Norcross

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151344

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/26/98    Date Ext/Dig/Prep: 3/26/98

Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98    Date Ext/Dig/Prep: 3/27/98

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Lead (Reg Limit = 5.0)	<RDL	1



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FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB40182**

**Accura Project #: 16041**

Client: OHM Corporation-Norcross

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151345

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



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FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB40183**

**Accura Project #: 16041**

Client: OHM Corporation-Norcross

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151346

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/26/98    Date Ext/Dig/Prep: 3/26/98

Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98    Date Ext/Dig/Prep: 3/27/98

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Lead (Reg Limit = 5.0)	4.2	1



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## LABORATORY REPORT

**Accura Sample ID #: AB40184**

**Accura Project #: 16041**

**Client: OHM Corporation-Norcross**

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151347

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: mg/L

#### Analyte Name

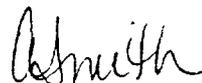
#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



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## LABORATORY REPORT

**Accura Sample ID #: AB40185**

**Accura Project #: 16041**

**Client: OHM Corporation-Norcross**

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151348

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

7.0

1



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## LABORATORY REPORT

**Accura Sample ID #: AB40186**

**Accura Project #: 16041**

Client: OHM Corporation-Norcross

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: WATER

Client Sample ID: METHOD BLANK

### ANALYSIS: Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/L

#### Analyte Name

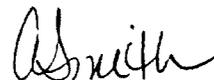
#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

0.05



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FL Certification # E87429 NC Certification # 483 SC Certification # 98015 USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40187

Accura Project #: 16041

Client: OHM Corporation-Norcross

Date Sampled: 3/25/98

Client Contact: R. HENDERSON

Date Received: 3/26/98

Client Project Number: 19668

Date Reported: 3/27/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/26/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

5

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/26/98

Date Ext/Dig/Prep: 3/26/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/27/98

Date Ext/Dig/Prep: 3/27/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



Accura Analytical Laboratory, Inc.



# OHM Remediation Services Corp

Subsidiary of OHM Corporation  
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

## CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

206580

AAE Project # 16067

FORM 0019 REV. 2-97

OHM LAB COORDINATOR Elena Rodriguez	LAB COORDINATOR'S PHONE 770-734-8060	LAB COORDINATOR'S FAX 770-453-7716	LABORATORY SERVICE ID Accura Analytical	LABORATORY CONTACT David Fuller	MAIL REPORT (COMPANY NAME) OHM Remediation Services
PROJECT NAME Camp Lejeune	PROJECT LOCATION Camp Lejeune	PROJECT NUMBER 19068	LABORATORY PHONE 770-444-8800	LABORATORY FAX	RECIPIENT NAME Elena Rodriguez
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUMBER 910-451-2390	PROJECT FAX 910-451-1809	LABORATORY ADDRESS 6017 Financial Drive	ADDRESS 5445 Triangle Pkwy, Ste 400	
PROJECT ADDRESS Lot 203 Holcomb Blvd.	CITY, STATE AND ZIP CODE Camp Lejeune, NC	CLIENT LANTDIV	CITY, STATE AND ZIP CODE NORCROSS GA, 30071	CITY, STATE AND ZIP CODE NORCROSS, GA 30092	
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S PHONE 770-734-8072	PROJECT MANAGER'S FAX 770-453-7743			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses										Comments	
									1	2	3	4	5	6	7	8	9	10		11
1	CL151344 Roll off #11	Soil	3/27/98	10:30	40C	1	E	48h	X											Please fax results to SITE & to Elena Rodriguez 40343
2	CL151350 72, 56, 47, 58 Sidewalk	Soil	3/27/98	11:40		1	C	48h	X											40344
3	CL151351 3, 4, 5, 6, 41 Floor	Soil	3/27/98	12:40		1	C	48h	X											40345
4	CL151352 Roll off #23	Soil	3/27/98	12:30		1	E	48h	X											40346
5	CL151353 Field Blank	Water Soil	3/27/98	12:40	HNO3	1	C	48h	X											40347
6																				
7																				
8																				
9																				
10																				

SAMPLES COLLECTED BY: Ed Lopez	COURIER AND AIR BILL NUMBER: 801960759683	CARRIER TEMPERATURE UPON RECEIPT: 4°C
RELINQUISHED BY: Randy Smith FedEx	RECEIVED BY: Michael Trinidad	SAMPLE'S CONDITION UPON RECEIPT: GOOD 4°C
	DATE: 3/27/98 TIME: 16:00	
	DATE: 3-30-98 TIME: 08:45	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**ACCURA ANALYTICAL LABORATORY, INC.**  
6017 Financial Drive, Norcross, Georgia, 30071, Phone (770)449-8800

**CASE NARRATIVE for Project Number: 16067**  
**Client Project: Monford PT / 19668**

The following item was noted concerning this project:

1. All soil results are reported on dry weight basis.



Quality Assurance



Client Services Representative

# ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40343

Accura Project #: 16067

Client: OHM Corporation-Norcross

Date Sampled: 3/27/98

Client Contact: R. HENDERSON

Date Received: 3/30/98

Client Project Number: 19668

Date Reported: 4/1/98

Client Project Name: MONFORD PT

Sample Matrix: SOIL

Client Sample ID: CL151349

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/30/98

Date Ext/Dig/Prep: 3/30/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

1.8

1



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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB40344**

**Accura Project #: 16067**

**Client: OHM Corporation-Norcross**

Date Sampled: 3/27/98

Client Contact: R. HENDERSON

Date Received: 3/30/98

Client Project Number: 19668

Date Reported: 4/1/98

Client Project Name: MONFORD PT

Sample Matrix: SOIL

**Client Sample ID: CL151350**

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/30/98

Date Ext/Dig/Prep: 3/30/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

89

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/30/98

Result Units: mg/Kg

#### Analyte Name

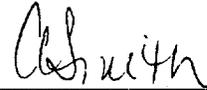
#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

5



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## LABORATORY REPORT

Accura Sample ID #: AB40345

Accura Project #: 16067

Client: OHM Corporation-Norcross

Date Sampled: 3/27/98

Client Contact: R. HENDERSON

Date Received: 3/30/98

Client Project Number: 19668

Date Reported: 4/1/98

Client Project Name: MONFORD PT

Sample Matrix: SOIL

Client Sample ID: CL151351

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/30/98

Date Ext/Dig/Prep: 3/30/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

89

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/30/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

19

5



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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40346

Accura Project #: 16067

Client: OHM Corporation-Norcross

Date Sampled: 3/27/98

Client Contact: R. HENDERSON

Date Received: 3/30/98

Client Project Number: 19668

Date Reported: 4/1/98

Client Project Name: MONFORD PT

Sample Matrix: SOIL

Client Sample ID: CL151352

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/30/98

Date Ext/Dig/Prep: 3/30/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/L

#### Analyte Name

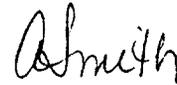
#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



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6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB40347**

**Accura Project #: 16067**

Client: OHM Corporation-Norcross

Date Sampled: 3/27/98

Client Contact: R. HENDERSON

Date Received: 3/30/98

Client Project Number: 19668

Date Reported: 4/1/98

Client Project Name: MONFORD PT

Sample Matrix: WATER

Client Sample ID: CL151353

**ANALYSIS: Metals - Lead**

Method Ref: 3010A/6010B

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/30/98

Result Units: mg/L

**Analyte Name**

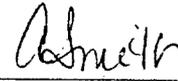
**Analytical Results**

**Reported Detection Limits**

Lead

<RDL

0.05



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FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40348

Accura Project #: 16067

Client: OHM Corporation-Norcross

Date Sampled: 3/27/98

Client Contact: R. HENDERSON

Date Received: 3/30/98

Client Project Number: 19668

Date Reported: 4/1/98

Client Project Name: MONFORD PT

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/30/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

5

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/30/98

Date Ext/Dig/Prep: 3/30/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/L

#### Analyte Name

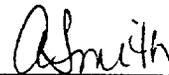
#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



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FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB40349**

**Accura Project #: 16067**

**Client: OHM Corporation-Norcross**

Date Sampled: 3/27/98

**Client Contact: R. HENDERSON**

Date Received: 3/30/98

**Client Project Number: 19668**

Date Reported: 4/1/98

**Client Project Name: MONFORD PT**

Sample Matrix: WATER

**Client Sample ID: METHOD BLANK**

**ANALYSIS: Metals - Lead**

Method Ref: 3010A/6010B

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/30/98

Result Units: mg/L

**Analyte Name**

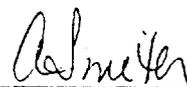
**Analytical Results**

**Reported Detection Limits**

Lead

<RDL

0.05



Accura Analytical Laboratory, Inc.

AAL Project # 16068



**OHM Remediation Services Corp**  
 Subsidiary of OHM Corporation  
 U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

**CHAIN-OF-CUSTODY RECORD**

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206857

FORM 0019 REV 24

OHM LAB COORDINATOR <b>Elena Rodriguez</b>	LAB COORDINATOR'S PHONE (770) 734-8060	LAB COORDINATOR'S FAX (770) 453-7716	LABORATORY SERVICE ID <b>ACQUA Analytical David Fuller</b>	LABORATORY CONTACT <b>David Fuller</b>	MAIL REPORT (COMPANY NAME) OHM Remediation Corp.
PROJECT NAME <b>Camp Lejeune</b>	PROJECT LOCATION <b>Camp Lejeune</b>	PROJECT NUMBER <b>19668</b>	LABORATORY PHONE <b>770-449-8900</b>	LABORATORY FAX	RECIPIENT NAME <b>Elena Rodriguez</b>
PROJECT CONTACT <b>R. Henderson</b> <b>Randy Smith</b> <i>02/3/08</i>	PROJECT PHONE NUMBER (910) 451-2390	PROJECT FAX (910) 451-1809	LABORATORY ADDRESS <b>6017 FINANCIAL Drive</b>	ADDRESS <b>5445 Triangle Pkwy, Ste 400</b>	
PROJECT ADDRESS <b>Lot 203 Holcomb Blvd</b>	CITY, STATE AND ZIP CODE <b>Camp Lejeune, NC</b>	CLIENT <b>LANTDIV</b>	CITY, STATE AND ZIP CODE <b>Norcross GA, 30071</b>	CITY, STATE AND ZIP CODE <b>Norcross, GA 30092</b>	
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE (770) 734-8072	PROJECT MANAGER'S FAX (770) 453-7743	Analyses ICP/MS TELP/PG		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses	Comments
1	CL 151354 Kolloff #13	Soil	3/28/98	12:00	48h	1	E	48h	X	40350
2	CL 151355 Field Blank	Water	3/28/98	12:00	48h	1	C	48h	X	40351
3										
4										
5										
6										
7										
8										
9										
10										

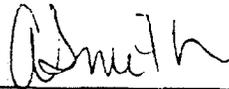
SAMPLES COLLECTED BY: <b>Ed Lopez</b>	COURIER AND AIR BILL NUMBER: <b>FedEx # 801960759672</b>	COOLER TEMPERATURE UPON RECEIPT: <b>4°C</b>
RELINQUISHED BY: <b>Randy Smith</b> <b>FedEx</b>	RECEIVED BY: <b>FedEx</b> <b>Michael Trinidad</b>	SAMPLE'S CONDITION UPON RECEIPT: <b>GOOD</b>
	DATE: <b>3/28/98</b>	TIME: <b>16:30</b>
	DATE: <b>3-30-98</b>	TIME: <b>08:45</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**ACCURA ANALYTICAL LABORATORY, INC.**  
6017 Financial Drive, Norcross, Georgia, 30071, Phone (770)449-8800

**CASE NARRATIVE for Project Number: 16068**  
**Client Project: Monford PT / 19668**

No problems were encountered with this project.



---

Quality Assurance



---

Client Services Representative

# ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone: (770)449-8800, FAX (770)449-5477

FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB40350**

**Accura Project #: 16068**

Client: OHM Corporation-Norcross

Date Sampled: 3/28/98

Client Contact: R. HENDERSON

Date Received: 3/30/98

Client Project Number: 19668

Date Reported: 4/1/98

Client Project Name: MONFORD PT

Sample Matrix: SOIL

Client Sample ID: CL151354

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/30/98

Date Ext/Dig/Prep: 3/30/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



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## LABORATORY REPORT

**Accura Sample ID #: AB40351**

**Accura Project #: 16068**

**Client: OHM Corporation-Norcross**

Date Sampled: 3/28/98

Client Contact: R. HENDERSON

Date Received: 3/30/98

Client Project Number: 19668

Date Reported: 4/1/98

Client Project Name: MONFORD PT

Sample Matrix: WATER

Client Sample ID: CL151355

### ANALYSIS: Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/30/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

0.05



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## LABORATORY REPORT

Accura Sample ID #: AB40352

Accura Project #: 16068

Client: OHM Corporation-Norcross

Date Sampled: 3/28/98

Client Contact: R. HENDERSON

Date Received: 3/30/98

Client Project Number: 19668

Date Reported: 4/1/98

Client Project Name: MONFORD PT

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/30/98

Date Ext/Dig/Prep: 3/30/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/L

#### Analyte Name

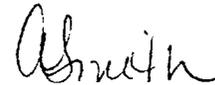
#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



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FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB40353**

**Accura Project #: 16068**

Client: OHM Corporation-Norcross

Date Sampled: 3/28/98

Client Contact: R. HENDERSON

Date Received: 3/30/98

Client Project Number: 19668

Date Reported: 4/1/98

Client Project Name: MONFORD PT

Sample Matrix: WATER

Client Sample ID: **METHOD BLANK**

ANALYSIS: Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/30/98

Result Units: mg/L

Analyte Name

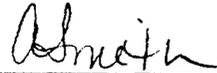
Analytical Results

Reported Detection Limits

Lead

<RDL

0.05



Accura Analytical Laboratory, Inc.

Accura Analytical Laboratory  
6017 Financial Drive  
Norcross, GA 30071

**QUALITY CONTROL RESULTS**  
**TCLP METALS**

**Laboratory Control Sample**

Spike Compound	LCS Recovery (%)	LCSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
Lead	99	NA	NA	20	83-114

**Matrix Spike (MS) / Matrix Spike Duplicate (MSD)**

Sample ID: AB40350\*

Spike Compound	MS Recovery (%)	MSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
Lead	86	90	5	20	69-131

\* = Batch QC

Accura Analytical Laboratory  
6017 Financial Drive  
Norcross, GA 30071

**QUALITY CONTROL RESULTS  
TOTAL WATER METALS**

**Laboratory Control Sample**

Spike Compound	LCS Recovery (%)	LCSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
Lead	99	NA	NA	20	78-114

**Matrix Spike (MS) / Matrix Spike Duplicate (MSD)**

Sample ID: AB40336\*

Spike Compound	MS Recovery (%)	MSD Recovery (%)	RPD	Reference Range	
				RPD	Recovery (%)
Lead	95	96	2	20	71-110

\* = Batch QC



# OHM Remediation Services Corp

Subsidiary of OHM Corporation

U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

## CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

206852

FORM 0019 REV 2-97

OHM's LAB COORDINATOR <b>Elena Rodriguez</b>	LAB COORDINATOR'S PHONE (770) 734-8060	LAB COORDINATOR'S FAX (770) 453-7716	LABORATORY SERVICE ID <i>Accura Analytical</i>	LABORATORY CONTACT <i>David Fuller</i>	MAIL REPORT (COMPANY NAME) OHM Remediation Corp.
PROJECT NAME <i>Monford Point</i>	PROJECT LOCATION Camp Lejeune	PROJECT NUMBER <i>19668</i>	LABORATORY PHONE <i>1-770-444-8200</i>	LABORATORY FAX	RECIPIENT NAME Elena Rodriguez
PROJECT CONTACT <i>R. Henderson</i> <del>Randy Smith</del>	PROJECT PHONE NUMBER (910) 451-2390	PROJECT FAX (910) 451-1809	LABORATORY ADDRESS <i>6017 Financial Drive</i>	ADDRESS 5445 Triangle Pkwy, Ste 400	
PROJECT ADDRESS <i>Lot 203 Holcomb Blvd</i>	CITY, STATE AND ZIP CODE Camp Lejeune, NC	CLIENT LANTDIV	CITY, STATE AND ZIP CODE <i>Norcross, GA 30071</i>	CITY, STATE AND ZIP CODE Norcross, GA 30092	
PROJECT MANAGER <b>Jim Dunn</b>	PROJECT MANAGER'S PHONE (770) 734-8072	PROJECT MANAGER'S FAX (770) 453-7743	Analyses Total Pb TCLP Pb		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Comments	
1	CL151356FB Field BLANK	Water	3/20/98	1415	HNO <sub>3</sub>	1	NEESA C	48hr	X	PMM PROJ # 110083 PB40450 PB40451 PB40452 PB40453 PB40454 PB40455 PB40456 PB40457
2	CL151357 Comp Floor 9,10,11,12,18 2nd	Soil	3/20/98	1145	4°C	1	NEESA C	48hr	X	
3	CL151358 Comp Floor 14,15,16,19,20 2nd	Soil	3/20/98	1215	4°C	1	NEESA C	48hr	X	
4	CL151359 Comp Floor 29,32,33,34,44 2nd	Soil	3/20/98	1130	4°C	1	NEESA C	48hr	X	
5	CL151360 Comp Floor 47,43,80,69,46,68 2nd	Soil	3/20/98	1230	4°C	1	NEESA C	48hr	X	
6	CL151361 Wall Comp 17,23,24 2nd	Soil	3/20/98	1205	4°C	1	NEESA C	48hr	X	
7	CL151362 Roll off #22 After Std	Soil	3/30/98	1300	4°C	1	NEESA E	48hr	X	
8	CL151363 Roll off #24	Soil	3/30/98	1250	4°C	1	NEESA E	48hr	X	
9										
10										

SAMPLES COLLECTED BY: <b>ED Rodgers</b>	COURIER AND AIR BILL NUMBER: <b>801960759639</b>	COOLER TEMPERATURE UPON RECEIPT: <b>5°C</b>
RELINQUISHED BY: <i>[Signature]</i>	RECEIVED BY: <b>FED EX</b>	DATE: <b>3/30/98</b>
	<i>[Signature]</i>	TIME: <b>1600</b>
		DATE: <b>3/31/98</b>
		TIME: <b>09:30</b>
		CONDITION: <b>GOOD</b>

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**ACCURA ANALYTICAL LABORATORY, INC.**  
6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

**CASE NARRATIVE for Project Number: 16083**  
**Client Project: Monford Point**

The following item was noted concerning this project:

1. All soil results are reported on a dry weight basis.



\_\_\_\_\_  
Quality Assurance



\_\_\_\_\_  
Client Services Representative

# ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB40450**

**Accura Project #: 16083**

Client: OHM Corporation-Norcross

Date Sampled: 3/30/98

Client Contact: R. HENDERSON

Date Received: 3/31/98

Client Project Number: 19668

Date Reported: 4/2/98

Client Project Name: MONFORD POINT

Sample Matrix: WATER

Client Sample ID: CL 151356 FB

ANALYSIS: Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

Lead

<RDL

0.05



Accura Analytical Laboratory, Inc.

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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40451

Accura Project #: 16083

Client: OHM Corporation-Norcross

Date Sampled: 3/30/98

Client Contact: R. HENDERSON

Date Received: 3/31/98

Client Project Number: 19668

Date Reported: 4/2/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151357

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

83

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

6.1

5



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# ACCURA ANALYTICAL LABORATORY, INC.

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FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40452

Accura Project #: 16083

Client: OHM Corporation-Norcross

Date Sampled: 3/30/98

Client Contact: R. HENDERSON

Date Received: 3/31/98

Client Project Number: 19668

Date Reported: 4/2/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151358

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

77

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

5



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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40453

Accura Project #: 16083

Client: OHM Corporation-Norcross

Date Sampled: 3/30/98

Client Contact: R. HENDERSON

Date Received: 3/31/98

Client Project Number: 19668

Date Reported: 4/2/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151359

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

92

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/Kg

#### Analyte Name

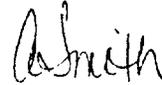
#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

5



Accura Analytical Laboratory, Inc.

# ACCURA ANALYTICAL LABORATORY, INC.

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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40454

Accura Project #: 16083

Client: OHM Corporation-Norcross

Date Sampled: 3/30/98

Client Contact: R. HENDERSON

Date Received: 3/31/98

Client Project Number: 19668

Date Reported: 4/2/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151360

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

77

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

5



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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40455

Accura Project #: 16083

Client: OHM Corporation-Norcross

Date Sampled: 3/30/98

Client Contact: R. HENDERSON

Date Received: 3/31/98

Client Project Number: 19668

Date Reported: 4/2/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151361

### ANALYSIS: % Solids

Method Ref: EPA 160.3

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units: %

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Solids

92

0.01

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

5



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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40456

Accura Project #: 16083

Client: OHM Corporation-Norcross

Date Sampled: 3/30/98

Client Contact: R. HENDERSON

Date Received: 3/31/98

Client Project Number: 19668

Date Reported: 4/2/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151362

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/2/98

Date Ext/Dig/Prep: 4/1/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40457

Accura Project #: 16083

Client: OHM Corporation-Norcross

Date Sampled: 3/30/98

Client Contact: R. HENDERSON

Date Received: 3/31/98

Client Project Number: 19668

Date Reported: 4/2/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151363

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/2/98

Date Ext/Dig/Prep: 4/1/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

3.7

1

Accura Analytical Laboratory, Inc.

# ACCURA ANALYTICAL LABORATORY, INC.

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FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40458

Accura Project #: 16083

Client: OHM Corporation-Norcross

Date Sampled: 3/30/98

Client Contact: R. HENDERSON

Date Received: 3/31/98

Client Project Number: 19668

Date Reported: 4/2/98

Client Project Name: MONFORD POINT

Sample Matrix: WATER

Client Sample ID: METHOD BLANK

ANALYSIS: Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

Lead

<RDL

0.05



Accura Analytical Laboratory, Inc.

# ACCURA ANALYTICAL LABORATORY, INC.

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FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

Accura Sample ID #: AB40459

Accura Project #: 16083

Client: OHM Corporation-Norcross

Date Sampled: 3/30/98

Client Contact: R. HENDERSON

Date Received: 3/31/98

Client Project Number: 19668

Date Reported: 4/2/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

### ANALYSIS: Metals - Lead

Method Ref: 3050B/6010B

Date Analyzed: 4/1/98

Date Ext/Dig/Prep: 3/31/98

Result Units: mg/Kg

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead

<RDL

5

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/31/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/2/98

Date Ext/Dig/Prep: 4/1/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



Accura Analytical Laboratory, Inc.



**ACCURA ANALYTICAL LABORATORY, INC.**  
6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

**CASE NARRATIVE for Project Number: 16141**  
**Client Project: Monford Point / 19668**

No problems were encountered with this project.



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Quality Assurance



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Client Services Representative

# ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429    NC Certification # 483    SC Certification # 98015    USACE-MRD Approved

## LABORATORY REPORT

**Accura Sample ID #: AB40881**

**Accura Project #: 16141**

**Client: OHM Corporation-Norcross**

Date Sampled: 4/3/98

Client Contact: R. HENDERSON

Date Received: 4/4/98

Client Project Number: 19668

Date Reported: 4/7/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151364

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 4/6/98

Date Ext/Dig/Prep: 4/6/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/7/98

Date Ext/Dig/Prep: 4/7/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

1



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Date Received: 4/4/98

Client Project Number: 19668

Date Reported: 4/7/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: CL 151365

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 4/6/98

Date Ext/Dig/Prep: 4/6/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/7/98

Date Ext/Dig/Prep: 4/7/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

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**Accura Sample ID #: AB40883**

**Accura Project #: 16141**

**Client: OHM Corporation-Norcross**

Date Sampled: 4/3/98

Client Contact: R. HENDERSON

Date Received: 4/4/98

Client Project Number: 19668

Date Reported: 4/7/98

Client Project Name: MONFORD POINT

Sample Matrix: WATER

**Client Sample ID: CL 151366 FB**

**ANALYSIS: Metals - Lead**

Method Ref: 3010A/6010B

Date Analyzed: 4/7/98

Date Ext/Dig/Prep: 4/6/98

Result Units: mg/L

**Analyte Name**

**Analytical Results**

**Reported Detection Limits**

Lead

<RDL

0.05



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**Accura Sample ID #: AB40884**

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Date Sampled: 4/3/98

Client Contact: R. HENDERSON

Date Received: 4/4/98

Client Project Number: 19668

Date Reported: 4/7/98

Client Project Name: MONFORD POINT

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

### ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 4/6/98

4/6/98

Date Ext/Dig/Prep: 4/6/98

Result Units:

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

TCLP Extraction

NA

0

### ANALYSIS: TCLP Metals - Lead

Method Ref: 3010A/6010B

Date Analyzed: 4/7/98

4/7/98

Date Ext/Dig/Prep: 4/7/98

Result Units: mg/L

#### Analyte Name

#### Analytical Results

#### Reported Detection Limits

Lead (Reg Limit = 5.0)

<RDL

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## LABORATORY REPORT

**Accura Sample ID #: AB40885**

**Accura Project #: 16141**

**Client: OHM Corporation-Norcross**

Date Sampled: 4/3/98

Client Contact: R. HENDERSON

Date Received: 4/4/98

Client Project Number: 19668

Date Reported: 4/7/98

Client Project Name: MONFORD POINT

Sample Matrix: WATER

**Client Sample ID: METHOD BLANK**

**ANALYSIS: Metals - Lead**

Method Ref: 3010A/6010B

Date Analyzed: 4/7/98

Date Ext/Dig/Prep: 4/6/98

Result Units: mg/L

Analyte Name

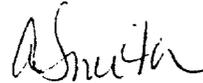
Analytical Results

Reported Detection Limits

Lead

<RDL

0.05



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