02.08-10/01/98-00073

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



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

02.08-10/01/98-00073

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

DRAFT

Prepared for:

DEPARTMENT OF THE NAVY MCB Camp Lejeune, North Carolina

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

Prepared by:

OHM Remediation Services Corp. 5445 Triangle Parkway, Suite 400 Norcross, GA 30092

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October, 1998

Delivery Order No. 0151 OHM Project No. 919668

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EXECUTIVE SUMMARY

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

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 Priorties 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

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 cubicyard 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	1/11.000 . mt.context.	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	
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	<u> </u>
15	25	0-6"	410	205654	8/21/97	<u> </u>
15	26	6-12"	620	205692	8/21/97	<u>N</u>
15	116	12-18"	560	205686	9/3/97	<u>N</u>
15	133	18-24"	320	205698	9/9/97	N
15	135	24-30"	740	205659	9/9/97	<u></u> <u>N</u>

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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	Ñ
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	Ŷ
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	Ŷ
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	Ŷ
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	
38	75	0-6"	650	205683	8/27/97	
38	76	6-12"	1900	205682	8/27/97	N
38	143	12-18"	760	205698	9/9/97	
38	143	18-24"	700	205659	9/9/97	N N
38	233	24-30"	420	203039	9/18/97	N N
38	234	30-36"	40	205672	9/18/97	
39	77	0-6"	2900	205683	8/27/97	
39	78	6-12"	77	205683		N
40	78	0-6"	300	and the second	8/27/97	Y
40	80	6-12"		205683	8/27/97	N
40	241	12-18"	110	205682	8/27/97	Y
40	241		NA		8/27/97	N/A
40	81	18-24"	NA .	205602	8/27/97	N/A
		0-6"	620	205683	8/27/97	N
<u>41</u> 42	82	6-12"	61	205682	8/27/97	Y
	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	Ŷ
50	198	24-30"	NA	· · · · · · · · · · · · · · · · · · ·	9/14/97	N/A

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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	
57	147	0-6"	130	205661	9/9/97	<u>Y</u>
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	$\frac{1}{N}$
59	152	6-12"	28	205658	9/9/97	
60	153	0-6"	1000	205661	9/9/97	I N
60	154	6-12"	170	205658	9/9/97	
61	155	0-6"	510	205661	9/9/97	
61	156	6-12"	410	205658	9/9/97	N
61	243	12-18"	7.4	205673	9/19/97	N
61	244	18-24"		203073		Y
62	157	0-6"	1100	205((1	9/19/97	N/A
62	157	6-12"	390	205661 205658	9/9/97	N
62	247	12-18"	8.8		9/9/97	N
62	248	18-24"	<u> </u>	205673	9/19/97	Y
63	159	0-6"	270	205661	9/19/97	N/A
63	160	6-12"	 	205661	9/9/97	Y
64	160	0-6"		202661	9/9/97	N/A
64	161	6-12"	1100	205661	9/9/97	N
65	162	0-12	240	205658	9/9/97	Y
65	163	6-12"	130	205661	9/9/97	Y
66	165		<u>NA</u>		9/9/97	N/A
		0-6"	20	205696	9/9/97	Y
66 67	166 167	6-12"	NA		9/9/97	N/A
		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

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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	<u>N</u>
77	188	6-12"	39	205373	9/14/97	$\frac{1}{Y}$
78	188	6-12"	NA	200075	9/14/97	 N/A
78	189	0-6"	83	205374	9/14/97	$\frac{107h}{Y}$
79	191	0-6"	110	205374	9/14/97	
79	192	6-12"	NA		9/14/97	 N/A
80	193	0-6"	290	205374	9/14/97	N N
80	194	6-12"	45	205373	9/14/97	- IN Y
81	195	0-6"	1500	205374	9/14/97	<u>N</u>
81	196	6-12"	58	205373	9/14/97	
82	199	0-6"	62	2055666	9/14/97	<u>I</u> Y
82	200	6-12"	NA		9/17/97	 N/A
83	201	0-6"	19	205666	9/17/97	$\frac{N/A}{Y}$
83	202	6-12"	NA	205000	9/17/97	 N/A
84	203	0-6"	170	205666	9/17/97	$\frac{1N/A}{Y}$
84	204	6-12"	NA	203000	9/17/97	 N/A
85	205	0-6"	110	205666	9/17/97	$\frac{W/A}{Y}$
85	206	6-12"	NA	205000	9/17/97	N/A
86	207	0-6"	530	205666	9/17/97	N/A
86	208	6-12"	350	205667	9/17/97	IN
87	209	0-6"	64	205666	9/17/97	Y
87	210	6-12"	NA	205000	9/17/97	N/A
88	210	0-6"	840	205666	9/17/97	
88	212	6-12"	28	205667	9/17/97	N Y
89	212	0-6"	28	205666	9/17/97	$\frac{Y}{Y}$
89	213	6-12"	NA	203000	9/17/97	Y N/A
90	215	0.6"	150	205666	9/17/97	$\frac{N/A}{Y}$
90	216	6-12"	NA	203000	9/17/97	
91	217	0-12	<u> </u>	205666	9/17/97	N/A
91	217	6-12"	NA	203000		Y
92	218	0-12	66 NA	205669	9/17/97	N/A
92	219	6-12"	NA	203009	9/17/97	Y
93	220	0-12	550	205770	9/17/97	N/A
93	221	6-12"		205669	9/17/97	N
93	222	0-12	270	205670	9/17/97	Y
94 94			240	205673	9/19/97	Y
74	252	6-12"	NA		9/19/97	N/A

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95	253	0-6"	(00)	0.026770	0.(10.007	
			680	205673	9/19/97	<u>N</u>
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"		and the second	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	~~~ (V (1	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 ¹/₂ 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

DATE	ROLL-OFF BOX #	RESULT (mg/kg)
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

SUMMARY OF ROLL-OFF BOX ANALYSIS

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 indentified 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.

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 Reviewe r	Trans Control No.	Planned Sub. Date	Action Code	Date of Action	Date Forwarded to Appro. Auth./Date Received from Contr.	Date Forwarded to Other Reviewer	Date Reccived from Other Reviewer	Action Code	Date of Action	Mailed to Contr./R ecd From Appro. Auth	Remarks
а	b	с	d	с	f	g	h	i	J	k	. 1	m	n	0	p
01010	Work Plan	1.2.1				7/25/97	8/14/98							0	h
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				ŴP		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			·· <u>···································</u>						
01010	CQC Report	3.613				CR									
01010	Submittal Status Log	3.614				Monthly						· · · · · · · · · · · · · · · · · · ·			
01010	Permits	3.6.15				CR									

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 TRSNSPORTATION 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: <u>CAMP LEJEUNE LANDFILL</u>

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

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 QUAILTY CONTROL SUMMARY

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.

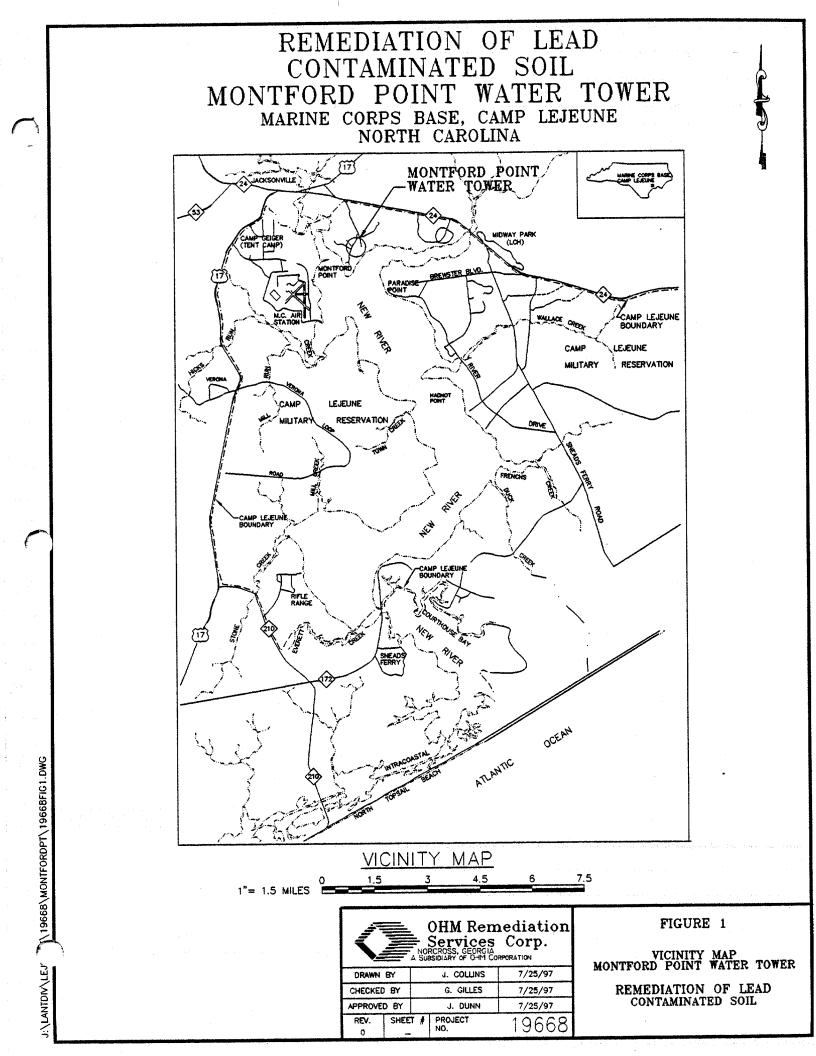
Inspections were performed in accordance with the requirements of the contract (Section 6.11) as supplemented by the Delivery Order Quality Control Plan. Inspection results were documented and submitted on Contractor QC Report Forms. A weekly QC meeting was conducted and the minutes recorded and submitted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

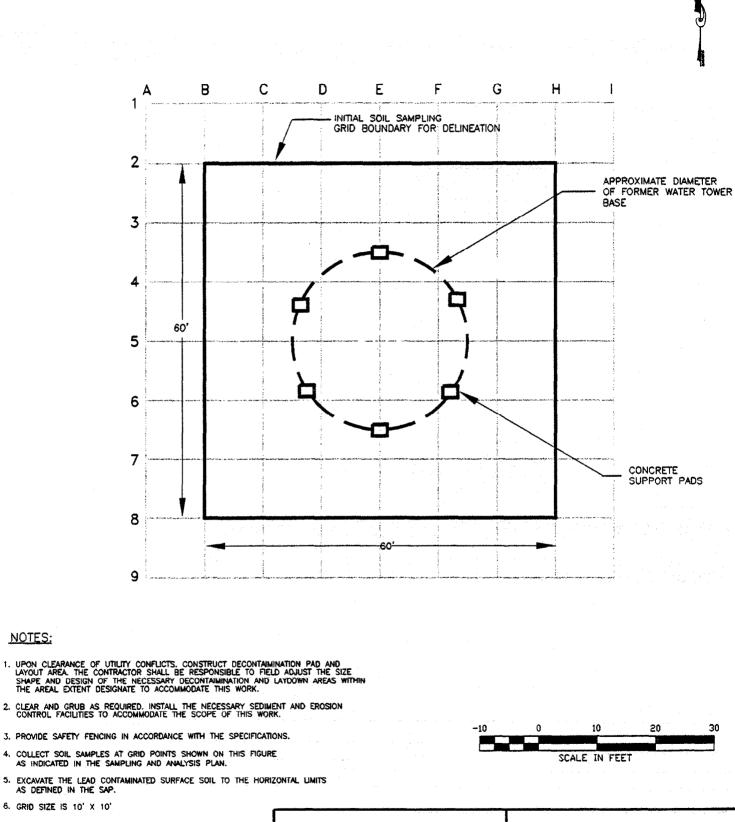
Additional submittals forwarded to the ROICC and their frequency of submission were as follows:

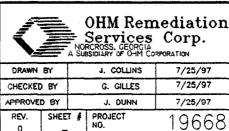
Daily:	Sign-in Log Health and Safety Report Daily Cost Report
Monthly:	Progress Report
As Generated	Field Sampling Test Results Confirmation Sample Test Results

APPENDIX A

As-Built Drawings







NOTES:

J:\LANTDIV\LEJ' 19668\MONTFORDPT\1966BFIG.DWG

FIGURE 2

INITIAL SOIL SAMPLING GRID MONTFORD POINT WATER TOWER REMEDIATION OF LEAD CONTAMINATED SOIL

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							105							t
								-		_				
							104						_	
					84	103	94	87	98	105				
-				83	73	85	81	74	88	99	06			
				82	58	86	70	59	75	89				
			102	57	47	48	49	50	60	76	07			
		101	72	56	37	38	39	40	61	77	95	108		
	111	100	1	2	3	4	5	6	41	51	109			
110	97	93	7	8	9	10	11	12	52					
96	80	69	13	¢	15	16	7	18	42	- APPROXI OF FOR BASE	MATE DIAME LER WATER	TER TOWER		Ţ
	55	46	19	20	21	22	25	24	62	63	90			
	79	68	25	26	27-0	2-28	29	30	43	53	64	78		
		92	31	.32	33	34	35	36	65	66	91			
9 (9 (4)	94			~71	45	44	67	CO SU	NCRETE PPORT PADS					
						54								+

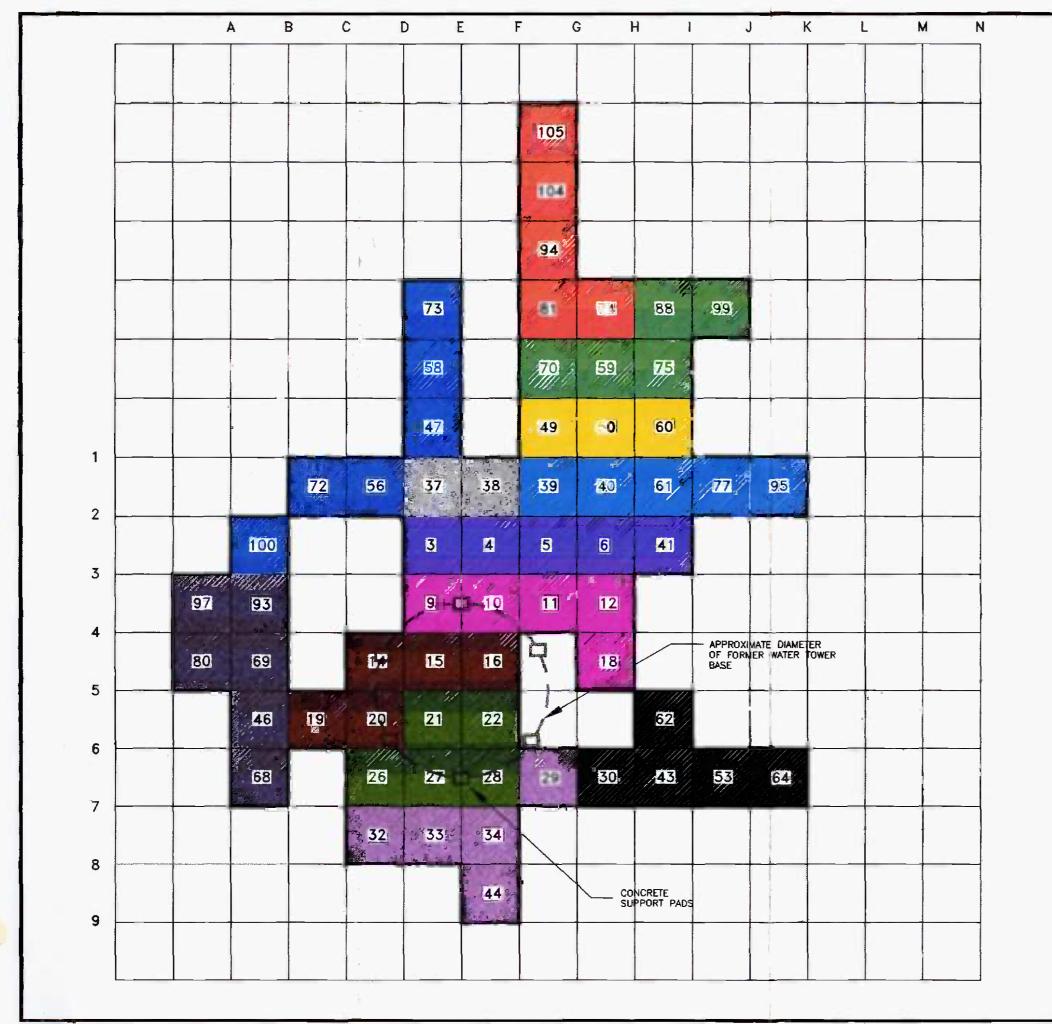
RECORD DRAI



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AWING -10	NOTES: 1. GRID SIZE IS 10' X 10' 0 10 20 30 SCALE IN FEET
OHM Remediation Services Corp. UNCROSS GEORGIA SIGNATION J. LANGE 9/16/98 A. WHITT 9/16/98 J. DUNN 9/16/98 PROJECT 919668	FIGURE 3 GRID DESIGNATION MONTFORD POINT WATER TOWER REMEDIATION OF LEAD CONTAMINATED SOIL
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RECORD DRAWING

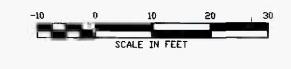
CL	151302			
CL	151304			
ĊL	151306			
CL	151307			
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CL	151331			
CL	151332	&	CL	151359
CL	151342			
CL	151358	\$	CL	151342
CL	151343	å	CL	151360
CL	151305			
CL	151306			

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NOTES:

1. GRID SIZE IS 10' X 10'

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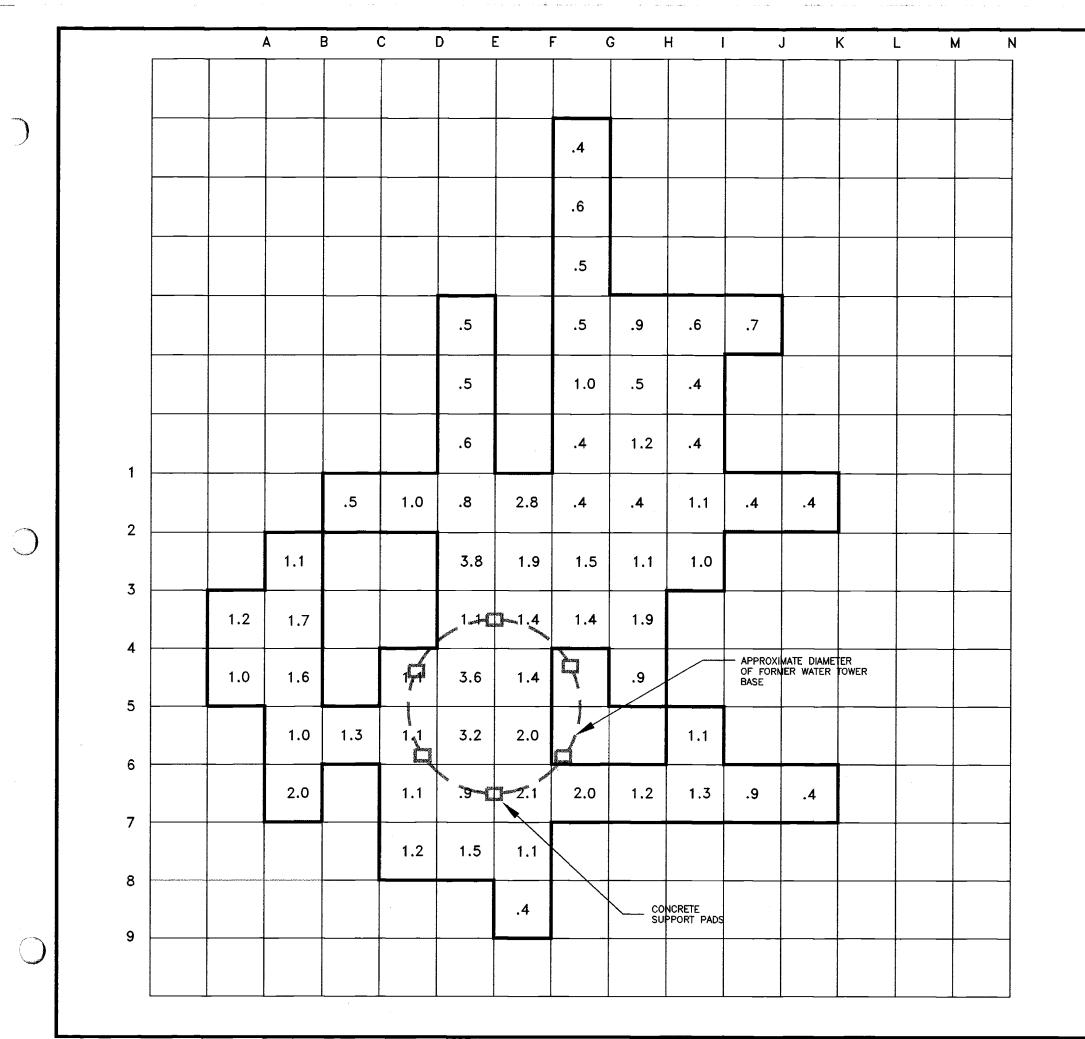
AN			OHM Rei Services ACROSS, GEORGI SSIDIARY OF OHM	mediation s Corp.
AWN	BY		J. LANGE	9/16/98
CKED BY			A. WHITT	9/16/98
ROVE	DBY		J. DUNN	9/16/98
۷.	SHEE	T #	PROJECT NO.	919668

FIGURE 3A

FLOOR SAMPLE LOCATIONS MONTFORD POINT WATER TOWER

REMEDIATION OF LEAD CONTAMINATED SOIL

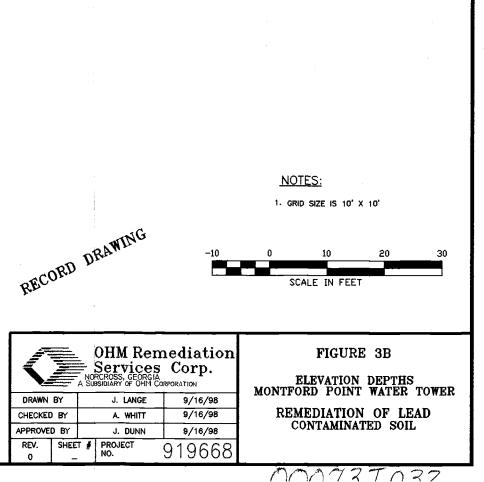
00073I02Y

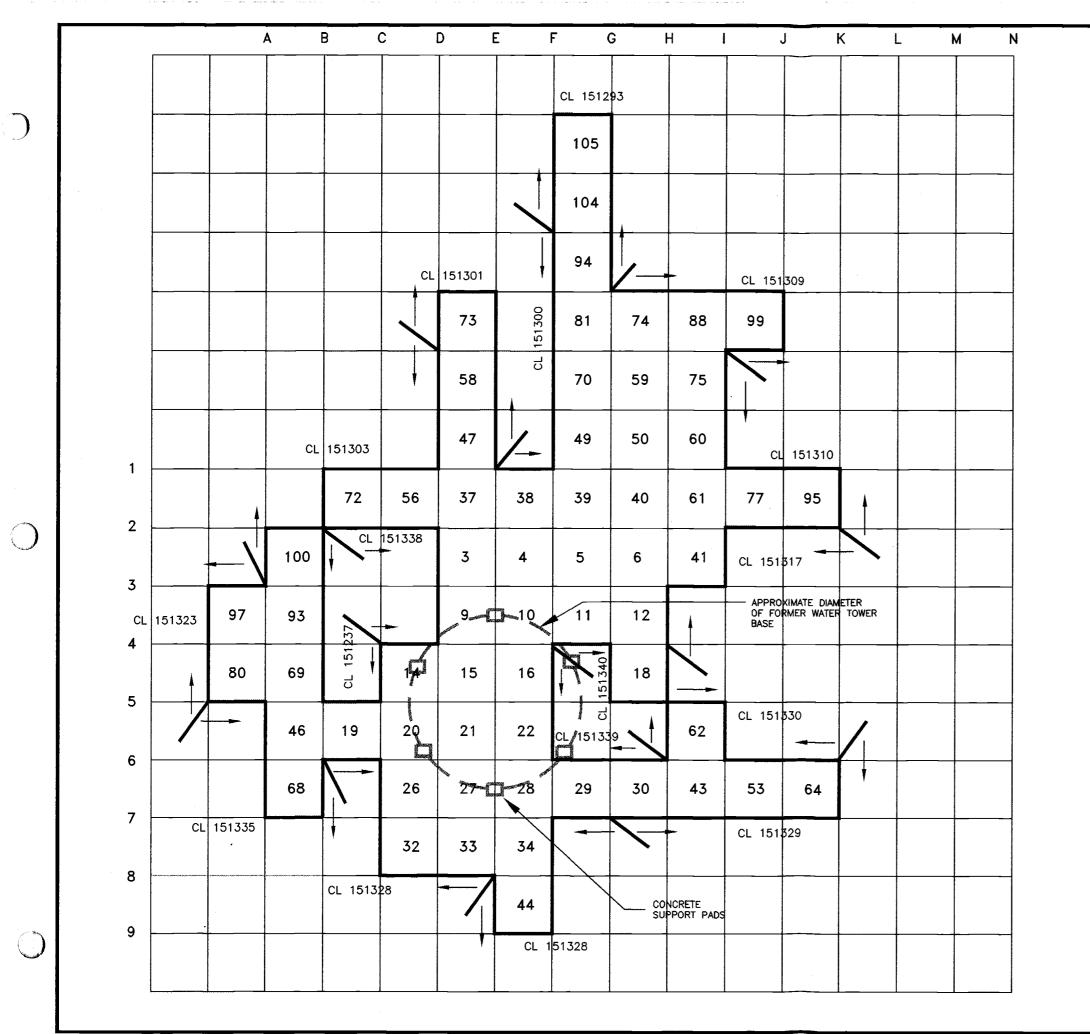


J:\LANTDIV\LEJEUNE\19668\MONTFORD PT\AS-BUILT\FIG-3B.DWG

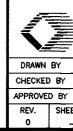
DRAWN BY CHECKED BY APPROVED BY

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<u>NOTES:</u>	
1. GRID SIZE IS ORD DRAWING -10 0 10 SCALE IN	20 30
E Services Corp.	GURE 3C WALL SAMPLES OINT WATER TOWER
J. LANGE 9/16/98 MONTFORD MONTFORD	TION OF LEAD MINATED SOIL
00073.	I042

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

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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



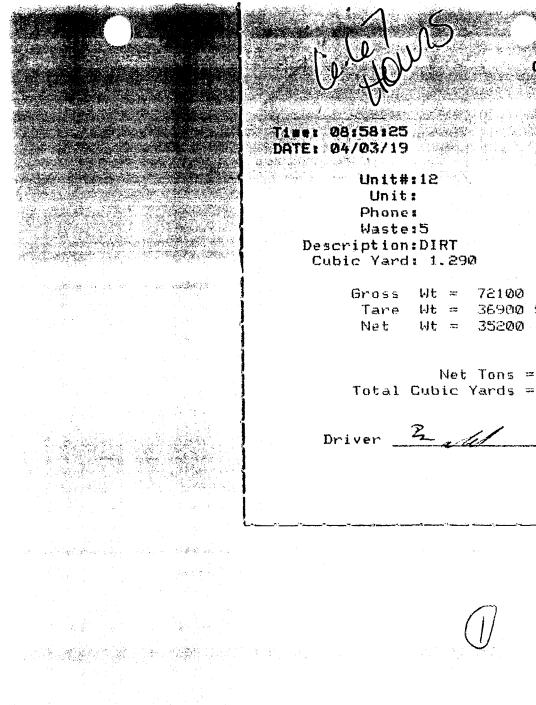
Project No. 19668 Date: April 1998 Contract No. N62470-93-D-3032 Delivery Order: 0151 Location: MONTFORD POINT WATER TOWER Description: Backfilling



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



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Camp Lejeune Landfill

national (f. 1997) Langer Maria	e Alexandre en	Ticket #:	
:12 ²³		Truck #: 2016	
1 ·····		Company: WASTE/INDST	
g and the second se		License: GRAY/ROLL OFF	• .
:5			
:DIRT	SC	AS MCAS	
: 1.290	Cell	. 4 . 1	
· · · · · ·	Level	. : 1	
Wt = 72100	Gpsx	C: Ø. 000	
Wt = 36900 STO	Gpsy	0.000	
Wt = 35200			
Net Tons =	17.60		
Cubic Yards =	22.70		

Driver 2 del

Weighmaster BRYANT

Time: 11:26:37 DATE: 04/03/19

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the state of the second second

Unit#:12 Unit: Phone: Waste:5 Description:DIRT Cubic Yard: 1.290 Gross Wt = 68700 Tare Wt = 36900 STD Net Wt = 31800 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 ≈ 15.90 Total Cubic Yards = 20.51

Driver 2 34

And And And Anna and Anna and Anna and Anna an Anna an

Weighmaster BRYANT

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Ticket #:

4774

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Camp Lejeune Landfill Time: 13:24:33 DATE: 04/03/19

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Ticket #:

Unit#:12 Unit: Phone: Waste:5 Description:DIRT Cubic Yard: 1.290 Gross Ut =

Net

56000 Tare Nt = 36900 STD ... Wt = 19100

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

Gpsx:

Gpsy:

0.000

Truck#: 2016

Company: WASTE/INDST

License: GRAY/ROLL OFF

Net Tons = 9.55 Total Cubic Yards = 12.32

Driver 2 4/1

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Weighmaster BRYANT

	Camp Lejsune Landfill Time: T3:27:58 DATE: 04/06/19	4871
	Unit#:12Truck#: 330Unit:Company: WASTE IND.Phone:License: ROLL OFFWaste:5Sc: AAON BASEDescription:DIRTSC: AAON BASECubic Yard: 1.290Cell: 1Gross Wt = 56480Gpsx: 0.000Tare Wt = 32480 STDGpsy: 0.000Net Wt = 24000Gpsy: 0.000	54.3 5
	Net Tons = 12.00 Total Cubic Yards = 15.48 Driver Weighmaster BRYANT	SC .
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	;		Ticket	₩ ±	4887
Unit#:12 Unit: Phone: Waste:5		Co	ruck#: 330 mpany: WASTE cense: ROLL		n en
Description:DIRT Cubic Yard: 1.890	SC: Cell:	1	ON BASE		and and a
Gross Wt = 50620 Tare Wt = 32480 STO Net Wt = 18140	Level: Gpsx: Gpsy:		0.000 0.000		
Net Tons = 9.07 Total Cubic Yards = 11.70					
Driver Man Con		Weig	hmaster BRYA	INT 🐫	

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Time: 11:15:40

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Camp Lejeune Landfill FFOW WI

DATE: 04/06/19

Unit#:12 Unit: Phone: Waste:5 Description:DIRT Cubic Yard: 1.290

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

Het Tons = 9.77 Total Cubic Yards = 18.60

Driver

Ticket

4854

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

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

Weighmaster BRYANT

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

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Unit#:12 Unit: Phone: Waste:5 Description:DIRT Cubic Yard: 1.290

> Gross Wt = 56720Tare Wt = 32480 STD Net Nt = 24240

Not Tons = 12.18 Total Cubic Yards = 15.65

Driver

Weighmaster BRYANT

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

Ticket #:

4853

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

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Time: 09: Date: 04/						licket #:	
DHIEL 047	00717						
	Unit#:12	is and the second s			Truck#:	330	
	Unit:					WASTE IND.	
	Phone:				License:	ROLL OFF	
	Waste:5 ption:DIRT			SC:	AA ON BI	ASE	
	Yard: 1.290	3		Cell:	1 GATA 2014	1 Lot Los	
-				Level:	1		
4		72600		6psx:	0, ØØ		
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	Net Wt =	40120					
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		V					
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Camp Lejeune Landfill an t**hur** an an Alter Contains Time: 08:01:29 DATE: 04/07/19 Unit#:12 Unitr Company: WASTE IND. Phone: License: ROLL OFF Waste:5 Description:DIRT SC: AA Cubic Yard: 1.290 Cell: 1 Level: 1 Gpsx: Gross Wt = 52720 Tare Wt = 32480 STO Gpsy: Net Wt == 20240

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Het Tons = 10.12 Total Cubic Yards = 13.05

Driver ____

Weighmaster BRYANT

Truck#: 330

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Ticket #:

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	Cas	p Lejeune Landfil		
	Time: 09:40:17 DATE: 04/07/19		Ticket #:	4917
	Unit#:12 Unit: Phone:		Truck#: 330 Company: WASTE IND. License: ROLL OFF	
	Waste:5 Description:DIRT Cubic Yard: 1.290	SC: Cell: Level:	AA ON BASE	
	Gross Wt = 63240 Tare Wt = 32480 STC Net Wt = 30760	Gpsx: Gpsy:	0.000 0.000	
	Net Tons = Total Cubic Yards =	15.38 19.84		
	Driver Mary Olla		Weighmaster BRYANT	
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Time: 11:08:54 DATE: 04/07/19

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Unit#:12 Unit: Phone: Waste:5 Description:DIRT Cubic Yard: 1.290

66840 Gross iit == Tare Wit == 32480 STU 34360 Net Wt =

17.18 Net Tons = 22.16 Total Cubic Yards =

tail land Driver

Weighmaster BRYANT

Truck#: 330

Company: WASTE IND.

License: ROLL OFF

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SC: AA

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Cell: 1

level:

Gpsx:

6psy:

Ticket #:

S. G. S. S. M.S. W.

Camp Lejeune Landfill 一、 小学 教育 大概 Time: 12:51:36 DATE: 04/07/19 Ticket #: 4950 Truck#: 330 Unit#:12 Unite Company: WASTE IND. Phone: License: ROLL OFF Waste:5 Description:DIRT ON BASE SC: AA Cubic Yard: 1.290 Cell: 1 Level: 1 Gross 71640 Gpsx: 周七 = 0.000 32480 STO Tare いた *** Gpsy: 0.000 Net Wt = 39160Net Tons = 19.58 Total Cubic Yards = 25.26 Driver Weighmaster BRYANT The second s

She want to be a set of the set of

Sector Barry State Camp Lejeune Landfill Time: 14:44:03 DATE: 04/07/19 Ticket #: 4976 Unit#:12 Truck#: 330 Unit: Company: WASTE IND. and the second second Phone: License: ROLL OFF Waste:5 Description:DIRT SC: AA ON BASE Cubic Yard: 1.290 Cell: 1 Level: 1 Gross Wt == 78860 Gpsx: 0.000 Tare 32480 \$10 Mt. == Gpsy: 0.000 Net Wt = 46380 Net Tons = 23.19 Total Cubic Yards = 29.92 Javar Driver Weighmaster BRYANT

terre de la constante de la con La constante de la constante de

asp Lejeune Landf111 an the state of the Time: 11:44:42 DATE: 04/08/19 Ticket #: Truck#: 330 Unit#:12 Units Company: WASTE IND. Phone: License: ROLL OFF Waste:5 Description:DIRT ON BASE SC: AA Cubic Yard: 1.290 Cell: 1 Level: 1 Gross Gpsx: Wt ≃ 59060 0.000 Tare Wt = 32480 STOGpsy: 0.000 Net Wt = 26580 Net Tons = 13.29 Total Cubic Yards 🛥 17.14 Driver _____ Bru Weighmaster BRYANT

and the second second

5040

Time: 08:01147 ***1	his Ticket Is A Reprint***
DATE: 04/08/19	Ticket #: 4999
Unit#:12	Truck#: 330
Unit:	Company: WASTE IND.
Phone:	License: RDLL OFF
Waste:5	
Description:DIRT	SC: AA ON BASE
Cubic Yard: 1.290	Cell: 1

Gross	Wt		65860
Tare	Wt	#	32480
Net	Wt	Ŧ	33380

	Net Tons	:12	16.69
Total	Cubic Yards	H	21.53

Level: 1 Gpsx: 0.000 Gpsy: 0.000

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Weighmaster BRYANT

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

Unit#:12 Unit: Phone: Waste:5 Description:DIRT Cubic Yard: 1.290 Gro

Gross	Ut		68500			
Tare	Wt	=	32480	STO	٠	
Net	Wt		36020			

	Net Tons		18.01
Total	Cubic Yards	322	23.25

Driver Hanney Bui

Weighmaster BRYANT





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Camp Lejeune Landfill

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Ticket #:

5015

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

ON BASE SC: AA Cell: 1 level: 1 Gosx: 0.000 Gpsy: 0.000

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	Time: 13:06:52 DATE: 04/08/19			Ticket #:	5051
	Unit#:12 Unit: Phone: Waste:5			: 330 : WASTE IND. : ROLL OFF	
la an air an	Description:DIRT Cubic Yard: 1.290		SC: AA ON D Cell: 1 Level: 1	BASE	
	Gross Wt = 68460 Tare Wt = 32480 S Net Wt = 35980	то	Gpsx: 0.0 Gpsy: 0.0		
	Net Tons = Total Cubic Yards =	17. 99 23. 21			
	Driver Many Dun		. Weighmast	er BRYANT	

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Camp Lejeune Landfill States and the second second 公司减少的 机光路端 在外,他们都是在来到 Time: 14:46:12 DATE: 04/08/19 i de la composición de la comp

Unit#	:12		· · · · ·		
Unit	t.				
Phone	5				
Waste	:5				х. -
Description	:DI	RT			SC:
Cubic Yard	: 1.	. 29	0		Cell:
					Level:
Gross	Wt	#	682410		Gpsx:
Tare	Wt	=	32480	STD	Gpsy:
Net	Wt	a ::	35760		

	Net Tons	122.5	17.88
Total	Cubic Yards	; =	23.07

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Weighmaster BRYANT

Truck#: 330

Company: WASTE IND.

License: ROLL OFF

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Ticket #:

Casp Lejeune Landfill A Second Second lipic 1. Time: 13:26:18 DATE: 04/08/19 Ticket Unit#:12 Truck#: 400 Unit: Company: WASTE IND. Phone: License: ROLL OFF Waste:5 Description:DIRT SC: AA ON BASE Cubic Yard: 1.290 Cell: 1 Level: 1 Gross Wt = 79160Gpsx: 0.000 Tare Wt; == 35760 STD Gpsy: 0.000 Net 43400 Wt =

> Net Tons = 21.70 Total Cubic Yards = 27.99

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Weighmaster BRYANT

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Camp Ley	une Landfill	
Time: 10:54:12		
DATE: 04/08/19	Ticket #:	
Unit#:12 Unit: Phone:	Truck#: 400 Company: WASTE IND. License: ROLL OFF	
Waste:5 Description:DIRT Cubic Yard: 1.290	SC: AA ON BASE Cell: 1	
Gross Wt = 67240 Tare Wt = 35760 INB / Net Wt = 31480	Level: 1 Gpsx: 0.000 Gpsy: 0.000	
Net Tons = 15.7 Total Cubic Yards = 20.3		

Driver ma all

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Weighmaster BRYANT

5029

يشر الأم

Camp Lejeune Landfill Time: 14:19:35 DATE: 04/10/19 Ticket 5158 # : Unit#:12 Truck#: 2016 Unit: Company: WASTE/INDST Phone: License GRAY/ROLL OFF Waste:5 Description:DIRT SC: AA ON BASE Cubic Yard: 1.290 Cell: 1 Level: 1 Gross 60160 Gpsx: Wt == 0.000 Tare Wt = 36900 STO Gpsy: 0.000 Net 'Wt = 23260 Net Tons = 11.63 Total Cubic Yards = 15.00 Driver M Weighmaster BRYANT



	uwsh raight	e Landfill	
Time: 12:13:47 DATE: 04/10/19		Ticket #:	515
Unit#:12 Unit: Phone:		Truck#: 330 Company: WASTE IND. License: ROLL OFF	1997 - 1997 1997 - 1997 1997 - 1997 1997 - 1997 - 1997
Description:DIRT	00	SC: AA ON BASE Cell: 1	
Tare Wt =	32480 STO	Gpsx: 0.000 * Gpsy: 0.000	
Total Cubic	Yands = 18.27		
Driver Manage	i i	Weighmaster LARRY	
L	،		
	EY .		
	Unit#:12 Unit: Phone: Waste:5 Description:DIRT Cubic Yard: 1.29 Gross Wt = Tare Wt = Net Wt = Net Wt = Net Driver	Fime: 12:13:47 DATE: $04/10/19$ Unit#: 12 Unit: Phone: Waste:5 Description:DIRT Cubic Yard: 1.290 Gross Wt = 60800 Tare Wt = 32480 STO Net Wt = 28320 Net Wt = 28320 Net Tons = 14.16 Total Cubic Yards = 18.27 Driver	Filme: 12:13:47 Ticket #: DATE: 04/10/19 Truck#: 330 Unjt:: Truck#: 330 Unjt:: Company: WASTE IND. Phone: License: ROLL OFF Waste:5 Description:DIRT Cubic Yard: 1.290 Cell: 1 Gross Wt = 60800 Gpsx: 0.000 Tare Wt = 32420 STO Gpsy: 0.000 Net Tons = 14.16 Total Cubic Yards = 18.27 Driver Muttare Driver Muttare Government Weighmaster LARRY

and getting the Camp Lejeune Landfill Time: 14:09:25 DATE: 04/10/19 Ticket # : 5157 Unit#:12 Truck#: 400 Unit: Company: WASTE IND. Phone: License: ROLL OFF Waste:5 DescriptionIDIRT SC: AA ON BASE Cubic Yard: 1.290 Cell: 1 Level: 1 Gross 66500 Gpsx: 0.000 Wt == Tare Wt =35760 STO Gpsy: 0.000 Net 30740 Wt =Net Tons = 15.37 Total Cubic Yards = 19.83 Driver Weighmaster BRYANT 11 3 2 1 and the

DATE: 04/10/19		and the second second second	Ticket	#: 5156
	1			
Unit#:12			Truck#: 330	
Unit:		C	ompany: WASTE I	ND.
Phone:			icense: ROLL OF	
Waste:5				
Description:DI	RT	SC: AA	ON BASE	
Cubic Yard: 1.	. 290	Cell: 1		
		Level: 1		
Gross Wt	= 59100	бряк :	0.000	
Tare Wt	= 32480 STO	бр ву;	0.000	
Net Wt	+ · · · · · · · · · · · · · · · · · · ·			

	Net Tons	13.	31
Total	Cubic Yards	 17.	17

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🐇 Weighmaster BRYANT



A Constant March 25 Section 4 A CARLES AND A CARLES Camp Lejeune Landfill Time: 11:27:57 The second states of the secon DATE: 04/13/19 Ticket #: 205 Truck#: 2016 Unit#:12 Unit: Company: WASTE/INDST Phone: License: GRAY/ROLL OFF Waste:5 Description:DIRT SC: AA ON BASE Cubic Yard: 1.290 Cell: 1 Level: 1 Gpsx: Gross Խt: ≕ 6646Ø 0.000 Tare 36900 STO -Gpsy: 0.000 Lit. = 29560 Net Wt =14.78 Net Tons = Total Cubic Yards = 19.07 Driver/UL Weighmaster BRYANT

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DATE: 04/13/19

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Ticket #:

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Unit#:12	Truck#: 2016	
Unit:	Company: WASTE/INDS	T
Phone:	License: GRAY/ROLL	
Waste:5	the second se	ω1 I
)escription:DIRT	SC: AA ON BASE	
Cubic Yard: 1.290	Cell: 1	
	Level: 1	
Gross Wt = 66240	6psx: Ø.000	
Tare $Wt = 36900$ STO \cdot	Gpsy: Ø.ØØØ	
Net $Wt = 29340$		

Net Tons = 14.67 Total Cubic Yards = 18.98 Driver Will OG Weighmaster BRYANT



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APPENDIX D

QC Analytical Report

Accura Analytical Laboratory 6017 Financial Drive Norcross, GA 30071

QUALITY CONTROL RESULTS TCLP METALS

Laboratory Control Sample

Spike Compound	LCS Recovery	LCSD Recovery	RPD	Ret	ference 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	Ref	erence 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 aboved were spiked with a 100 ppm solution.

Accura Analytical Laboratory 6017 Financial Drive Norcross, GA 30071

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QUALITY CONTROL RESULTS TCLP VOLATILES

Laboratory Control Sample

Spike Compound	LCS Recovery	LCSD Recovery	RPD	Ref	ference 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	Ref	ference 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.

Accura Analytical Laboratory 6017 Financial Drive Norcross, GA 30071

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.

Accura Analytical Laboratory 6017 Financial Drive Norcross, GA 30071

QUALITY CONTROL RESULTS TCLP PESTICIDES

Laboratory Control Sample

Spike Compound	LCS Recovery	LCSD Recovery	RPD	Re	erence 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	Ref	erence 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	Ref	erence 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	Ref	erence Range
	(%)	(%)		RPD	Recovery (%)
2,4-D	62	. 78	23**	20	50-150
2,4,5-TP (Silvex)	119	84	35**	20	50-150

\frown

* = 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

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

					•		MS	MSD		 A share of the second se	%RPD
	Expected	MS Rec.	MS %	MSD Rec.	MSD %	Recovery	Pass/	Pass/		%RPD	Pass/
Compound	Rec. (ppm)	(ppm)	Recovery	(ppm)	Recovery	Limits (%)*	Fail	Fail	%RPD	Limit	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 S	W846 Method	8270B. Inho	use limits to b	e developed.					A		

							MS	MSD
	Expected	MS Rec.	MS %	MSD Rec.	MSD %	Recovery	Pass/	Pass/
Surrogates	Rec. (ppm)	(ppm)	Recovery	(ppm)	Recovery	Limits (%)*	Fail	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-Flourobiphenyl	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

39897MS.XLS

Accura Analytical Laboratory, Inc.

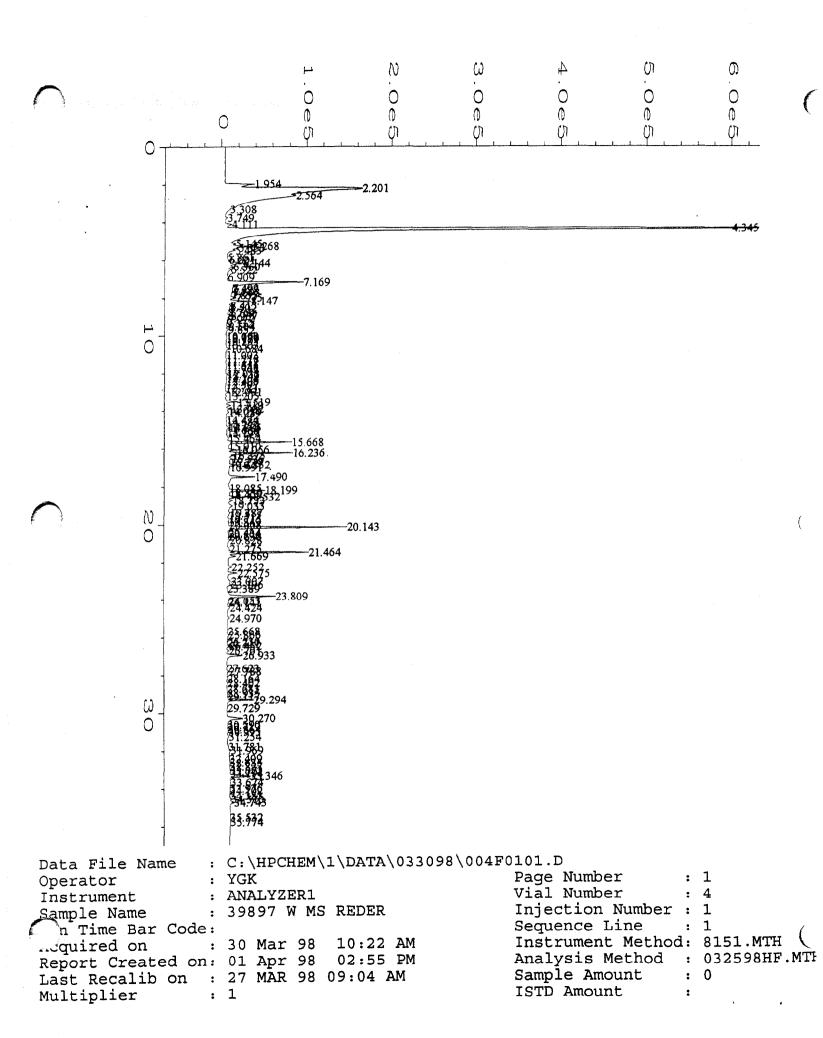
MS/MSD Report

	Sample ID:	MS/MSD	39897		Da	te Acquired:	3/30/9	98	-		
	Operator:	YGK			Instrument ID:		#1		-		
	Data File:	Data File: 033098\008F&				Bottle #:		4&8			
	Method:	8151			Ма	trix:	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	%RPD Pass/ Fail
2,4-D	0.125	0.0777	62%	0.0981	78%	50 - 150		Pass	23%	< 20	
2,4,5-TP (Silvex)	0.125	0.149	119%	0.105	84%	50 - 150	1	Pass	35%	< 20	
	nits to be developed.							1			
							MS	MSD]		
Surrogates	Expected Rec. (ppm)	MS Rec. (ppm)	MS % Recovery	MSD Rec. (ppm)	MSD % Recovery	Recovery Limits (%)	Pass/ Fail	Pass/ Fail			
DCAA	0.5	0.422	84%	0.512	102%	12 - 154	Pass	Pass	1		

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Data File Name erator .strument Sample Name Run Time Bar (Acquired on Report Created Last Recalib of Multiplier	: YGK : ANALYZ : 39897 Code: : 30 Mar d on: 01 Apr	W MS REDER 98 10:22 A 98 02:41 P	M M	Ol01.D Page Number Vial Number Injection Numb Sequence Line Instrument Met Analysis Metho Sample Amount ISTD Amount	: 1 hod: 8151.MTH
5.483 15.668 16.056 16.236 16.852 17.490	Area Typ 54408 VB 301880 BB 37658 BV 281872 PV	e Width Ref# - 0.086 1 0.061 1-R 0.060 1 0.058 1 0.054 1 0.065 1 0.065 1 0.065 1 0.065 1 0.065 1	ug/ml 0.0296 0.422 -25.910 0.0963 3.289 0.153 0.0777 0.149 0.120	DALAPON DCAA SUR.STD. MCPA DICAMBA MCPP DICHLOROPROP 2,4D SILVEX (2,4,5- 2,4,5T DINOSEB (DNBP)	
Time Re	ference Peak	÷	ed RT 1	Actual RT Di 15.668	fference -0.1%

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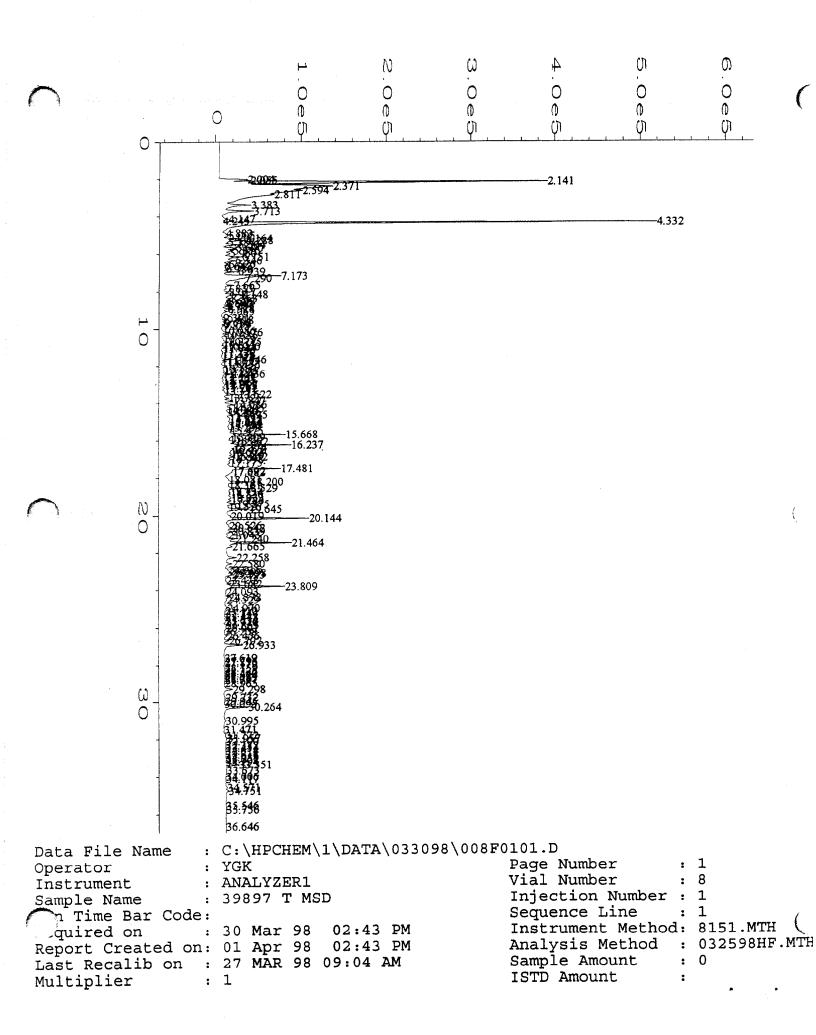
· · · · · ·	External Standard Re	port

Sample Name : 39 Run Time Bar Code:	NALYZER1 9897 T MSD 0 Mar 98 02:43 PM 1 Apr 98 02:43 PM	0101.D 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 :
Ret Time Area 	4 VV 0.072 1-R 0.512 7 VV 0.070 1 -15.659 8 VV 0.069 1 0.132 4 VV 0.074 1 8.089 4 VV 0.082 1 0.505 0 VV 0.073 1 0.0981 2 VV 0.068 1 0.105 4 VV 0.074 1 0.101 4 VV 0.082 1 0.101	DICAMBA MCPP DICHLOROPROP 2,4D SILVEX (2,4,5-TP) 2,4,5T DINOSEB (DNBP)
Time Reference	e Peak Expected RT A 15.685	Actual RT Difference 15.668 -0.1%

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Accura Analytical Laboratory, Inc.

MS/MSD Report

Sample ID:	39897 MS/MSD	Date Acquired:	3/29/98
Operator:	YGK	Instrument ID:	<u>#1</u>
Data File:	032898\010F&011F	Bottle #:	12&13
Method:	8081	Matrix:	Water

					•		MS	MSD			%RPD
	Expected	MS Rec.	MS %	MSD Rec.	MSD %	Recovery	Passl	Pass/		%RPD	Passi
Compound	Rec. (ppm)	(ppm)	Recovery	(ppm)	Recovery	Limits (%)*	Fail	Fail	%RPD	Limit	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	*Method limits from SW846 Method 8080. Inhouse limits to be developed.										

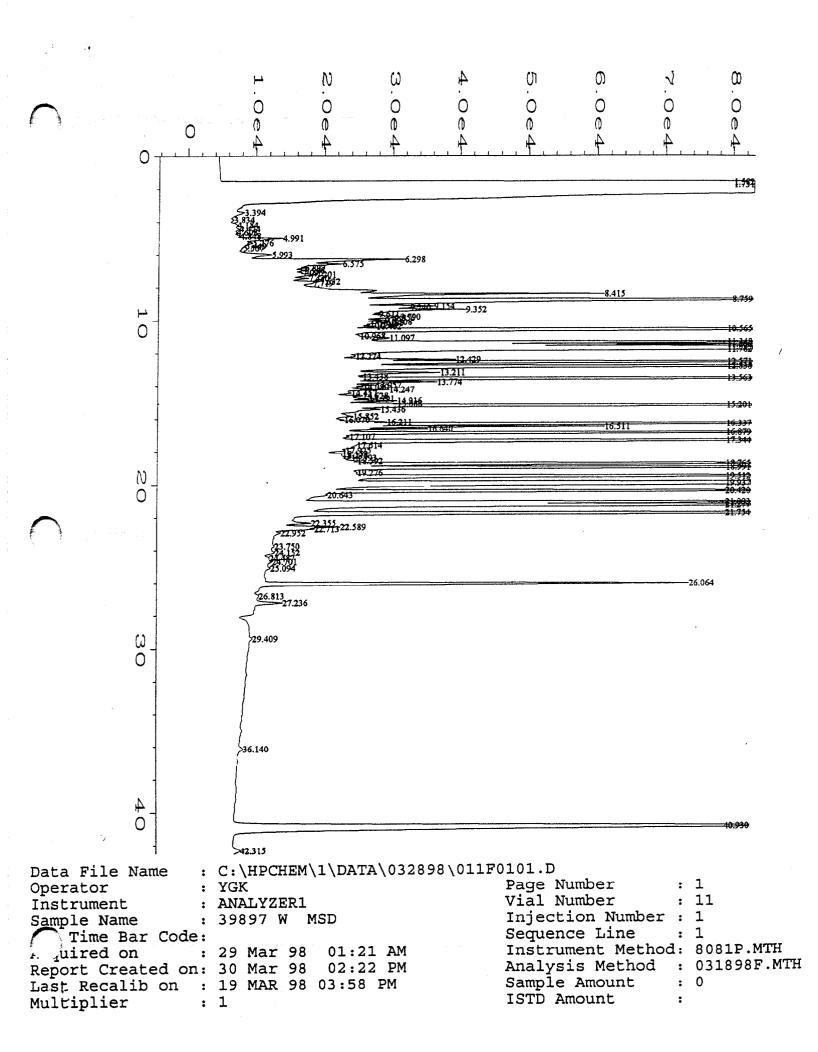
									MS	MSD
Surrogates	Expected Rec. (ppm)	MS Rec. (ppm)	MS % Recovery	MSD Rec. (ppm)	MSD % Recovery	Recovery Limits (%)			Pass/ Fail	Pass/ Fail
Tetrachloro-m-xylene	0.25	0.229	92%	0.232	93%	19	-	129	Pass	Pass
Decachlorobiphenyl	0.25	0.338	135%	0.317	127%	13	-	160	Pass	Pass

					andard Re		
Data File Na			\1\D.	ATA\03:	2898\011F		
rator	: YGK					Page Number	
strument		LYZER1				Vial Number	
Sample Name		97 W 1	MSD			Injection Number	
Run Time Bar						Sequence Line	
Acquired on						Instrument Method	
Report Creat						4	
Last Recalib		MAR 98	03:5	58 PM			: 0
Multiplier	: 1					ISTD Amount	:
Sig. 1 in C:	\HPCHEM\1\	DATA\0	32891	8\011F()101.D		
Ret Time	Area	Type Wi	idth	Ref#	ug/ml	Name	
			!	[]		Name	
8.759	1150264	PV 0	.083	1 '	0.232	TCMX (SURR)	
10.565	2059744	$\overline{\mathbf{v}}$	069	1	0.277	A-BHC	
11.633	1941858 1012440 1452790 1765893	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 O.	.068	1	0.296	HEPT. EPOXIDE	
16.337	1633328 '	τ <i>πτ</i> Λ	067	1	A 217	ENDOSULFAN 1	
16.879	1650300	VV 0.	.063	1	0.328		
17.344	1913907	vv U.	/ 4	1	0.345	DIELDRIN	
16.879 17.344 18.765	1232321		.079			ENDRIN	
18.991	1245396			1			
19.512	1610616 \		.087	1	0.330	ENDOSULFAN2	
0.420	1135305 I	BV 0.	.083	1	0.347		
21.093	732276	PV 0.	102	1	0.211	ENDRIN ALDEHYDE ENDO. SULFATE METHOXYCHLOR	
21.754	1297567 \	VV 0.	102	1	0.285	ENDO. SULFATE	
26.064	515222 \	VV 0.	128	1	0.364	METHOXYCHLOR	
27.236	44476			1		ENDRIN KETONE	
40.930	1430178 H	0 95	262	1	0.317	DCB (SURR)	

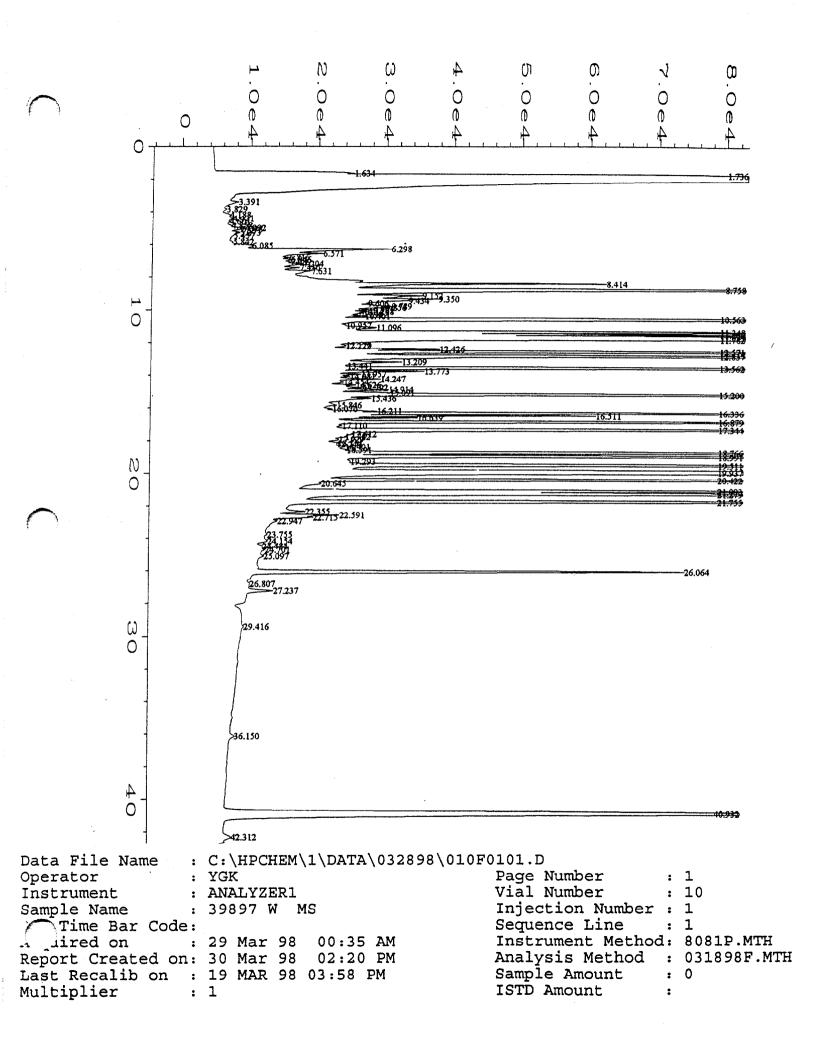
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**********************	External Stand	ard Report	
Data File Name : C: erator : YG strument : AN Sample Name : 39 Run Time Bar Code: Acquired en 200	HPCHEM\1\DATA\03289 SK JALYZER1 9897 W MS	8\010F0101.D Page Number : Vial Number : Injection Number : Sequence Line :	1 10 1
Sig. 1 in C:\HPCHEM\1	\DATA\032898\010F0101	1.D	
10.563 2009228 11.631 1913578 11.782 985491 12.571 1404880 12.837 1771733 13.562 1682120 15.200 1683837 16.336 1630233 16.879 1642809 17.344 1891345 18.766 1210890 18.991 1223534 19.511 1587592 0.422 1168745 21.093 713750 21.755 1321651 26.064 522403 27.237 34702	<pre>VV 0.066 1 VV 0.066 1 VV 0.071 1 VV 0.064 1 VV 0.065 1 VV 0.066 1 VV 0.066 1 VV 0.068 1 VV 0.062 1 VV 0.074 1 VV 0.074 1 VV 0.078 1 VV 0.077 1 VV 0.078 1 VV 0.088 1 BV 0.083 1 PV 0.101 1 VV 0.102 1 VV 0.129 1</pre>	0.325 ENDOSULFAN2 0.356 DDT 0.206 ENDRIN ALDEHYDE 0.290 ENDO. SULFATE 0.369 METHOXYCHLOR 00792 ENDRIN KETONE	
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and the second		-

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

Date: 3-	31-98
Analyst:	RL

Lot #'s:

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Cyanide Working Std: 25I Cyanide ICV Working Std: <u>257</u> NaOH 0.25N: <u>20</u>L H2SO4 18N (1:1): 205

Wavelength: 578nm

Spike Witness:_

Na2H2PO4 Solution: 24J Chloramine-T Solution: 24J Pyridine/Barbituric Acid: 97-A669

[Date 7-poin	t curve gen	erated: 3.	19.98					3-Point Cu	rve: 3.3/.	98	
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	<u> </u>							0.106	0.000	G.023	0.113	0.363
Calc. Conc (mg/L CN-)					RL			0.045	LOL	0.0106	0.048	0.151
Standard %R (+/- 10%)								90	-	106	95	101
Correlation Coefficient							(a.).		0.999		eliy k iri mene	

#	AAL#	Sample	Dilution Factor	Absorbance	Result	RDL	Comments
		Vol. (mL)	initial Mid		(mg/L CN ⁻)	mg/L	
1	40120	50	13	0.018	0.017		
2	40128	SO	1:2	0.018	0.017		
3	40131	50	1:2	0.025	0.022		
4	40132	50	1:3	0.031	0.027		
5	40133	50	1:2	0.081	0.08		
6	40134	50	1:2	0.095	0.04		
7	39573	30 10 ransto 50	1.81:101:	0.001+10=101	40L		
8			PL				
9			3.31-78				:
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 RDD	- 8%	······································
40120 MSD	0.05	0.134	0.049	98		

Reviewed By: Page No. CYANIDEW.XLS

					<u>лаг Sum</u> EPA 376.					an a)
and the second	Date: 3-3	31.98		<u>.</u>		_		Analyst:	RL			
<u>ot #'s:</u>		ulfide Stan	dard: 25	Н				Starch Solu		A057		
-		e Standard			-			I ₂ 0.02500N	: 97-A/.1	9	-	
	Zinc Aceta	te Solutior	1: _		-			6N NaOH:		<u> </u>		
	$Na_2S_2O_3$ 0	.02500N: പ്പ	7-A650	· · · · · · · · · · · · · · · · · · ·	-			1:1 HCI: g	7-A472	····		• 4 11
	(),010N: 0	18-A061	~	I						-	
·		nt Curve G			active			3-Point Cur			· · · · · · · · · · · · · · · · · · ·	
Std. (mg/L)	Blank	1.0	2.0	5.0	8.0	10.0	ICV 5.0	Blank	1.0	5.0	10.0	
itration (mL)											1	
alc. Value (mg/L)			0.01N	= 9.35						1	1	
ctual Value (mg/L)				0N:3,4	5						1	1
Recovery					O RPE	= 3%	RRD					-
.C.							·		A.,		· I	1
AAL#	mL l ₂	Sample	volume	Dilution	mL Na	1 ₂ S ₂ O ₃	Calc. Va	lue (mg/L)	Actual V	alue(mg/L)		20
39573	10.00	50m1		1:4	9.95		0.124=	A.4 4	DL		4 mg/L =	: 01_
10129	10.00	200			9.9a		0.16	1 9-31-982			-3-	
10136	10.00	900			9.87		0.26		DL			
10136M5	10.00		Dospike		3,75		12.50		12.70	92%R	e.couenu	= 1% RE
HOIZGMED	10.00		60spike		3.81		12.38		12.70	07%	ecoveri	- Tong
Blank	10.00				9,98		4DL				ECOVETIC	J
LCS	10.00	20050	ike	\checkmark	3.71		12.58		12.70	99%		
		· · · · · · · · · · · · · · · · · · ·										
								······				
							:					

lculation: mg S^-2/L = 400(A-B) , where; A=mL 0.02500N $\rm I_2$

mL sample

B=mL 0.02500N Na₂S₂O₃

66 SULFLOG.XLS

* total

			:	А	CCURA A	NALYTI		BORATOR	Y. IN	C.			\sim)	
	محمسين		-				tal Analytica								1
		· · ·	·····				n Log/ LCS						·······		ļ
Std Lot #'s:								200 B			ICAP B	ATCH#:	1 22098	₹ B	
#1							T37							BE-5 3-2	5-95
# 2	B					ICV 2 Lot #	}	6			ICS A Lo	ot # Lot #	57.11		
# 3						· · · ·					ICS AB	Lot #	1 F		
#4	D I E						QCS 19: 98 QCS 7:)				0011-4	" T	12.5		
#8							ICV Sn:				SS I LOT	# <u> </u>	J.K.		
Analyst: 🕰	25						XOV ONL V				00 Mg L		U -		
Date: 3-1	0.98					Method:	60103				Matrix	TCD	P		
		Protect Second P							177715	and and the second states and	_				
		Connents a		والأقباط وتشتر بالمتحاط والمتحاد	<u>Keoninches</u>		SPAINTIOUR	a comments			Splice	Rennens			
STDS	<u>^</u>		39503	1:2					(Bate			2003 AN			ACCOUNT
ICB			39504						0320		4.0	83-1104	7.81	95	<u> </u>
PREP BLANK			395041) 34504 ms						\mathcal{A}	A>		\$2-115	3.84	96	
ILVI	<u> </u>								$ \rightarrow $	Ba_		82-116	3.53	88	
ICSI			39504mgp	<u> </u>			<u> </u>			V Ce		83-109	3.73	93	
JUSAB			JUN1							Ac	┝	85-105	3.73	93	
35I			JCB							1/Fe		86-11	3.93	98	
115032098P 37571	1:2		38000TSP				+			1Ag		90-110	2.55	89	
			39571 50							fut 1	k		$- \mathcal{T}$	4-11	
39573 39573BD			39571 ms	1.9	·					3/31/64	1	10,		5 319	
and the second se			ICN1 ICB	~						- for	100	Jen V		· · · · · · · · · · · · · · · · · · ·	
<u>39574</u> 39575			557	 			+			Jacon	el.				
39576			ICSO	~			+			rastor	31/26	-			
39577			ILSOB				1			- (m - 3)	1300	- 23	, -		
INI	<u>_</u>		12-24									┼Ҳ	Ro		
ILV1			\rightarrow										10		
STDJ	<u> </u>	-		\sim	L		1				<u> </u>		+		
tCB					\sim		1					+	+	<u></u>	
39579	1:2					625	t						1		
39571D	and the second se	1			1		2001					-	1		
37571m5		1			1	[+	1	<u>├></u>	
39571 mg	b	1			1	1				·			+		
39302	ř j	┨────┨			1	[<u> </u>					+			$\left - \right\rangle + \left \right\rangle$
	ι										.L		-l	L	

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ACCURA ANALYTICAL LABORATORY, INC.

Environmental Analytical Services METALS QC REPORT

For Matrix Spikes

Method:_ Matrix:__ Units:__

Analyst: <u>Sul</u> Date: <u>03-31-57</u> ICAP Batch #: <u>072091 B</u>

V VI

			Sample Results	Sample Dup	(% RED)	(Pass) (Y.or N)	Spike Amt.	Range %	Results	% Rec.	Pass (Y or N)	Results	MSD % Rec.	Pass (Y or N)	%RPD	Pass (Y or N)	Comment
9571	0320984	As	otor	0.10	32	N#	५.२	18-112	3.86	93	Ý	4.14	101	Y	8	Y	at motivo
	<u> </u>	PL	1.34	0.35	2.9	У		72.124	4.04	93		4.19	94		3	_1	
		<u>cl</u>	COL	Cor	0			81-104	3,43	54		3.45	9(<u>ل</u>		
		Cr	1	1	+	1	 	30-112	3.14	94		3.94	99		5		
		P3	0.97	0.15	26	NW		19-131	4.15	80		4.43	86		2		
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APPENDIX E

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🗐 📃 Service	Remediatio es Corp OHM Corporation 4 East • Findlay, (CHAIN	-OF-C	CUSTO	DY RE		D A A	PROJECT FILE CARD 206578 FORM 0019 REV	4. 2-97
OHM'S LAB COORDINATOR	LAB COORDINATOR'S PH	IONE	LAB COORDINATO	R'S FAX		LABORATORY S		LABORATORY		MAIL REPORT (COMPANY NAME)	
Elena Rodriguez	770-734-806	0	770-453-	7716		Accurra 1		Davi	JFuller	OHM Remediation Services	
PROJECT NAME:	PROJECT LOCATION			PROJECT NUMBER		LABORATORY P	HONE	LABORATORY	FAX	RECIPIENT NAME Elena Rodriguez	
PROJECT CONTACT	Camp Lejeu PROJECT PHONE NUMBE		PROJECT FAX	11 00 4		LABORATORYA				ADDRESS	
Russell Henderson	910-451-23	1	910-451-	1809	úί		Finan	cial	Orive	5445 Triangle Pkwy, Ste 4	00
PROJECT ADDRESS	CITY, STATE AND ZIPCO		CLIENT	Y	1	CITY, STATE AN	ID ZIPCODE			CITY, STATE AND ZIPCODE	
Lot 203 Holcomb Bly	d. Camp Le	jeune, NC	LANTDI	A COMU		Norce	1055,6	*A 1	UQ7	Norcross, GA 30092	
'ROJECT MANAGER	PROJECT MANAGER'S PHONE		PROJECT MANAGE	1			//	\langle / \rangle	68/		
Jim Dunn	770-734-807	2	770-453-		,	Analyses	$\langle \rangle$	Y K	× /		
E. Sample Identifier	Matri	t Date Th	ne preserved	* of Cont NEESA	Level AT	Ana		A LOI		Comments	
CL 151286		3/14/98 10:30	464	- NEESA E	48hr	Х				lease fax results to SITE & lena Rodriguez	tò
2 CL 151287 2 Rolloff H2	Soil	3/18/18 11:30	4°C	NEESK E	48hr	X				Hold JAYS OF Supple GL 151286 Fp	
3 ROLOFE #3		3/10/91 300	4'C	NEESK É	48hr	\times				Filter Test untill Instru	nt del
4 CL151 289 4 Rolloff # 4	50;1	3/12/13 1345	42 1	NECSA E	48hr	\times				to run test by Russell Henderson	
5 Polloff CLISI	290 Soil	11190 1435	42)	NECS É	484	X					
6 CLISI291-FB		3/1898 11:00	HNB I	NEESA	46hr	34		X		Total Phonly on CL15/291.	FB
7 CL 51292 Relief # 6		3/18/78 1515	4°(1	WEESA	48hr	X					<u> </u>
8 CL 151 293 Wall Composite 105, 10		3/18/10 1530	47 1	NEEA	48ht	in a		\times		CLISI 293 Total PL Only	
9 CL 151 291 Wull Composit (94,8	70-19-18 50:1		47	VEEN	48hr	tim		\times		LISI29 Total PG Daly	
10	·····										
SAMPLES COLLECTED BY: Russici	Henlesson	COURIER AND AIR BII		01960	759	764				COOLER TEMPERATURE UPON RECEIPT:	
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Di	stribution: White	L - Laboratory (To be return	ed with Ana	lytical R	eport); Gol	denrod - F	Project Fi	ile; Yellow -	Project Data Manager	

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	Remediation es Corp OHM Corporation 4 East • Findlay,		19) 423-352	CHAI	N-OF-(CUST	TODY	RE	COI	XD		PROJECT FILE CARD 206595 FORM 0019 REV. 2-9
OHM' I LAB COORDINATOR	LAB COORDINATOR'S P	HONE	LAB COORDIN				FORY SERVICE	11		RY CONTAC		MAIL REPORT (COMPANY NAME)
Elena Rodriguez	770-734-80	_	770-453				Analyit				ler	OHM Remediation Services
Mon Ford Pt	PROJECT LOCATION Camp Lejeu	une		PROJECT NUME	FR	LABORAT		00 '	LABORATO	RYFAX		Effen Modriguez
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUMB 910-451-2		PROJECT FAX 910-45		· · · · · · · · · · · · · · · · · · ·	1	Tin Tin		cial	Dr	-	S445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb Bly		DDE ejeune, NC			······································	CITY, ST.	ATE AND ZIPC	S G	Ā	300	71	CITY, STATE AND ZIPCODE Norcross, GA 30092
project manager Jim Dunn	PROJECT MANAGER'S	72	PROJECT MAN 770-45	3-7743			VSES DO					
E Sample Identifier	Matr	NY Date Ti	ne preser	ved cont	Level A	Ana		Y				Comments
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1 Floor COM 73,58,4	7.7256 011	3/20/18 1010	4'($\frac{1}{1}$	48hr			- +			·	Lena Rodriguez
2 (L 15/ 3'06 2 Floor Comp 37 38, 49, 9	or Goil	3/20/91 1050	4°C	I NEES!	4841	X						C/15/305 13 Floor COMP OF 13.58, 47.72,56,100
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3 Non Come 39,40,61	71,95 501	7/0/98 1110	97		178hr	\square						
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4 Floor Com, 39, 40, 61,	77,95 2011	12998 1110		NEESI		\mathbf{K}		$\left\{-\right\}$			╞──┼─	· · · · · · · · · · · · · · · · · · · ·
5 WALL Comp 99.88	74 Soil	3/20/92 1055	42	IC	48hr	X				1		
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6 Wall Comp 95,77,1	0.75 00.1	1/11/100	11	1 <u>C</u>	48hr	$ \land $						
7 Wall Comp 95,77.	175 Soil	12.hr 1100	47	1 Mees	484,	X						
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CL151313		3/20/18 1410	4°C	I NEE	"Hohr		X					
RellOFF # 12	10.1		10	VELS	A lal	\checkmark					╂──╂──	
10 Floor Comp 3.4.5.6	41 501	8/29/19/1430	40	<u> E</u>	78AH	N	_					······································
SAMPLES COLLECTED BY: RUSSER	Henlersot	COURIER AND AIR BI		301960	7597	53	· · · · · · · · · · · · · · · · · · ·				-	OOLER TEMPERATURE UPON RECEIPT:
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Dis	stribution: White	e - Laboratory (To be retu	rned with A1	nalytical R	eport);	Goldenr	od - P	roject	File; Y	ellow - I	Project Data Manager
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OHM's LAB COORDINATOR	LAB COORDINATOR'S I	PHONE	LAB COORDINATOR	'S FAX			ORY SERVICE				MAIL REPORT (COMPANY NAME)
Elena Rodriguez	770-734-80	60	770-453-7				ura		Vav.J	+ ty	CHM Remediation Services
Morforl PT	PROJECT LOCATION Camp Lejer	une		ROJECT NUMBE	{	770	ORY PHONE	8600	ATORY FAX		RECIPIENT NAME Elena Rodriguez
PROJECT CONTACT	PROJECT PHONE NUMI		PROJECT FAX			LABORA	ORY ADDRES	s	. 1	٨	ADDRESS
Russell Henderson	910-451-2.		910-451-1 CLIENT	.809		6L		Finar	rcial	Ur.	5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb B1	-			1				<u>r, G</u>	A 3	007	
PROJECT MANAGER	PROJECT MANAGER'S PHONE		PROJECT MANAGER					//	77	//	
Jim Dunn	770-734-80	72	770-453-7				45 ⁸⁵	60/	//		
E <u>J</u> Sample Identifie	r Nat	it Date i	the preserved	ofcont	Level J.A.	Anal		Y			Comments
1 CL151 295	50:1	3/19/1 16:30	41	NEGSA F	4842		<			- 1 - F	Please fax results to SITE & to Elena Rodriguez
2 CL151 296 F	B Water	0700	HND. 1	VEEN		X					
3 64151297		26 10 0745	4' 1	NEESA			<u> </u>				
CL 151 298		21,000 0845	49 1	NEEST	48hr		2				
5 CL 151 249	50:1		1117 1	UCEST		+	\geq				
RoilOFF # 10	Soil	8/20/98 1020	701	E NEESA	784+		\rightarrow				
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7 Nall Conpot 47,58,	73 50:1	0/2098 0915	47		Hohr	КI					
8 (15) 302 F100r Compo F105104,9	4.61.74 Soil	3/20/98 0930	4'(-	C		X					
9 C.L. 151303 Woll (One 58.47.56.	· · · · · · · · · · · · · · · · · · ·	3/2019 0945	47 1	NEESA	V 11/1	X					
10 CL 15 304	C.1.	3/20/18 1030	47	VECS	HBhr Bhr	X					
	Ichlerph	COURIER AND AIR BI	ILL NUMBER: 80	19603	7 59 7	1.53	I	L	.I		COOLER TEMPERATURE UPON RECEIPT:
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Di	stribution: Whit	e - Laboratory (To be returne	d with An	alytical R	eport);	Golden	od - Proje	ct File; `	Yellow	- Project Data Manager

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🗧 📃 Service	Remediation es Corp OHM Corporation 4 East • Findlay,	ON , Ohio 45840 • (4	(19) 423-352	CHAIN 6	N-OF-	CUS	rody	RE	CORI	D	****	PROJECT FILE CARD 206598 FORM 0019 REV. 2-97
OHM'S LAB COORDINATOR	LAB COORDINATOR'S	PHONE	LAB COORDIN	ATOR'S FAX		LABORA	TORY SERVICE	EID LA	ABORATORY		- 11	MAIL REPORT (COMPANY NAME)
Elena Rodriguez	770-734-80		770-45	3-7716		Acc	ura Ar	alte.	Da v	it.	Fulle	er OHM Remediation Services
Montor Point	PROJECT LOCATION Camp Leje			PROJECT NUMBE	R	LABORA	TORY PHONE	ROD"	ABORATORY F	FAX		Elena Kodriguez
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUM 910-451-2		PROJECT FAX 910-45	1-1809	(TORY ADDRES	s. 1 Nr	ncia		rive	e 5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb B1	CITY, STATE AND ZIPC		CLIENT LANT	DIV		CITY. ST	ATE AND ZIPC	ODE	•			CITY STATE AND ZIDCODE
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S PHONE 770-734-80	······································	PROJECT MAN					//		7	77	111
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1 CLISI315 1 Rolloff # 13	Soil	3kor 1630	4%	NELSA E	48hr	*	X					Please fax results to SITE & to Elena Rodriguez
2 CL 151 7 6FA	woter		HNO;	Netst		X						
3 CL151317	- 1		4'C	NECS		X	· ·					· · · · · · · · · · · · · · · · · · ·
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4 Comphiel 12, 41, 77, 1	95	3/23/10 1040		VERS		\bigcirc						
5 CompFloor 9,10,11,	12,18	12/98 1030		C NEESD		\mathbf{X}						
6 COMPFICOr 9, 10, 11,	12,18	12198 1030		6		Ň						
7 ROLLOFF # 14		123/8/100		NEESK			$\langle $:	F	
8 LUSI322 8 LOUOFF #15		12/98/110		NEESI	•		X			-		
9 CUSI323 9 Cond law/ 100,97	20	1/24/987:55		NELSA		X						
10 GHI SILDAN WAN	an na	A MANN	NA.	now	Mala	1AA						
SAMPLES COLLECTED BY:	Henleypr	COURIER AND AIR BIL	L NUMBER:	07809	1454	4 8	0196	03	597	26	, – –	COOLER TEMPERATURE UPON RECEIPT
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Dist	ribution: White	e - Laboratory (1	To be return	ned with Ana	alytical Re	eport);	Goldenro	od - Pro	oject File	e; Ye	ellow -	- Project Data Manager

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OHM's LAB COORDINATOR	LAB COORDINATOR'S	PHONE	LAB COORDIN	ATOR'S FAX		LABORA	FORY SERV	ICE ID	LABORA	TORY CON	ГАСТ	MAIL	REPORT (COMPANY N		2
Elena Rodriguez	770-734-80)60	770-45	3-7716		Acci	1-0A	nel	ni L	DAVIC	(Fu)	// е- ОНМ	Remediat	ion Service	8
MONAtord Point	PROJECT LOCATION Camp Leje			PROJECT NUN	BER Y	770-		8800		TORY FAX		RECIP	ient name na Rodrig		
Russell Henderson	PROJECT PHONE NUM 910-451-2		PROJECT FAX 910-45			60	FORY ADDR	inAA	VCIA	10		ADDR 544		e Pkwy, Ste	400
PROJECT ADDRESS Lot 203 Holcomb B1	CITY, STATE AND ZIPC Vd. Camp L	4	CLIENT LANT	DIV		CITY, ST	ATE AND Z	IPCODE		300-		CITY, S	CTOBS, GA		
project manager Jim Dunn	PROJECT MANAGER'S PHONE 770-734-80)72	PROJECT MÁN					800				1			
E Sample Identifier	· · ·		ne preser	ved of Cont	Level T.A.	Anal	V.V	20					Corr	iments	
1 CL151324 Rolloff # 16	50:1		yoc 👘	I VEE	54 48h-		\checkmark					Please Elena R	fax resul odriguez	ts to SITE	& to
2 CL 15 1 325 Rellot # 17	soil	¥24/98 7:25.		E.			Λ								
3 CL 151 326 3 Lolloff #18	soil	V= 1/25		E			$\langle $								
4 CL 151327 4 Rolloff # 19		1/21/48 7:40		E			$\langle \rangle$								-
5 66151328 5 44,34,29 Comp	Wall 50.1	3/2/198 810		C		X									
6 66 151 329	p Wayso, 1	3/24/08 820		C		Χ								· · · · · · · · · · · · · · · · · · ·	
- CL 151330	ma Wall Soil	124987:50		C		X									
· CL 15/33/	Toor Soil	3/2/19 850		C		X						·		······································	· · · · · · · · · · · · · · · · · · ·
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10 Edeld Riach	WAter	128/00	HMOT	C	V	X						· · · · · · · · · · · · · · · · · · ·			
SAMPLES COLLECTED BY: Ed Ro	gar)	COURIER AND AIR BIL		01960	75972	6	I		·		<u>من اين</u>	COOLER TEMPER	RATURE UPON RECEIP	Γ.	
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	Remediatio	n		CHA	IN-OF-	ĆUSTO	DDY R	ECOI	RD		PROJECT FILE CARD	
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	LAB COORDINATOR'S PH		LAB COORDINA				Y SERVICE ID	1.1000.170	RY CONTACT		FORM 0019 REV.	. 2-97
OHM'S LAB COORDINATOR	770-734-806		770-453				raly	1		Fuller	MAIL REPORT (COMPANY NAME)	
Elena Rodriguez			110-425		MBER			LABORATO	RY FAX	Tuller		
Montory Point	PROJECT LOCATION Camp Lejeu			PROJECT NU	8	770-44	Y PHONE (4-880 0				Elena Rodriguez	<u></u>
PRÖJECT CONTACT Russell Henderson	PROJECT PHONE NUMBE 910-451-23		PROJECT FAX 910-451	-1809		LABORATO	VADDRESS	anc	ial D	r.	ADDRESS 5445 Triangle Pkwy, Ste 4	00
PROJECT ADDRESS	CITY, STATE AND ZIPCO	· · · · · · · · · · · · · · · · · · ·	CLIENT	1007		CITY STATE	AND ZIPCODE	INTIC	10-1 0	• •	CITY, STATE AND ZIPCODE	
Lot 203 Holcomb Bly	d. Camp Le	jeune, NC	LANTD	IV		Nor	cross	, GA	300	71	Norcross, GA 30092	
PROJECT MANAGER	PROJECT'MANAGER'S		PROJECT MANA			-		/ /	77	/		
Jim Dunn	770-734-807	2	770-453			Analys	°~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	6/	///			
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3 6 Comp 19, 26, 32	33	1100		╏┈┤┨					_			
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5 Wall COMP RIZIL		1235				X						
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7 Pull Comp 24.1	<u></u>	1300				X						
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8 Floor Corp 14. 15.1	6/120	130				X						<u> </u>
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Dis	tribution: White	- Laboratory (To be return	ned with A	Analytical R	eport); G	oldenrod -	Proiect	File: Yello	w - Pro	bject Data Manager	

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🗐 📃 Service	Remediation S Corp OHM Corporation 4 East • Findlay,			CHAIN-	OF-C	CUSTO	ODY R	ECOR	D	PROJECT FILE CARD 206585 FORM 0019 REV. 2-97
OHM's LAB COORDINATOR	LAB COORDINATOR'S	PHONE	LAB COORDINATO			LABORATOR	Y SERVICE ID	LABORATORY	//	MAIL REPORT (COMPANY NAME)
Elena Rodriguez	770-734-80		770-453-				Andytica	David		
Montor Point	Camp Leje	une		PROJECT NUMBER		LABORATOR	YPHONE	LABORATORY		RECIPIENT NAME Elena Rodriguez
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUME 910-451-2		PROJECT FAX 910-451-	1809		LABORATOF	ADDRESS	anci	al Priv	ADDRESS 5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS	CITY, STATE AND ZIPC		CLIENT LANTDI	17		CITX, STATE	: AND ZIPCODE		0071	CITY, STATE AND ZIPCODE
Lot 203 Holcomb Bly	PROJECT MANAGER'S	ejeune, NC	PROJECT MANAGE			100+(ns		0011	Norcross, GA 30092
Jim Dunn	770-734-80	72	770-453-				* / /	///	///	
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Dis	stribution: White	e - Laboratory (To be returne	ed with Analy	/tical Re	eport): G	oldenrod -	Project Fi	le: Yellow	- Project Data Manager

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Service	Remediation es Corp OHM Corporation 4 East • Findlay,	ON , Ohio 45840 • (119) 423-3.		HAIN	-OF-0	CUS	TO	DY F	REC(ORD	à.				DECT FILE C.	
OHM'S LAB COORDINATOR	LAB COORDINATOR'S	PHONE	LAB COORE	DINATOR'S F	AX				SERVICE ID		RATORY CON				COMPANY NAM	3)	
Elena Rodriguez	770-734-80	60	770-45		· · · · · · · · · · · · · · · · · · ·		Acc	ura	Analyt	d1	lavi k	Full	cr 1	OHM Rem	ediatio	n Servie	ces
PROJECT NAME:	PROJECT LOCATION Camp Leje	une			ECT NUMBER		LABOR 770	ATORY P	HONE / 980		RATORY FAX]	ETENANK	Bdrigue	2	
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUM 910-451-2	i ^{ber} 390	PROJECT F/)9		LABOR	ATORY	ADDRESS	nan	cial	Dris	1	5445 Tr	iangle	Pkwy, S	te 400
PROJECT ADDRESS Lot 203 Holcomb Blv	CITY, STATE AND ZIPC	ejeune, NC	CLIENT LAN					STATE AN	VD ZIPCODE	_	4,3			CITY, STATE AV	D ZIPCODE	30092	
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Dis	tribution: White	e - Laboratory (To be ret	urned w	ith Analy	ytical R	eport);	Gol	denrod	- Proje	ct File;	Yellow	/ - Proje	ect Data M	anager		

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Service Subsidiary of U.S. Route 22	e S CO OHM Cor 4 East •	rp poration Findlay,	Ohio 45	5840 • (4	(19) 423-3	1526								4	1			2068	57 019 REV. 2-9
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ena Rodriguez) 734-	-8060		(770) 453-			Acc	1/1	Aiur	dial			Ful	10	OHM Remediat:	Lon Corp	.
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OJECT CONTACT	PROJECT	PHONE NUM	BER		PROJECT F	AX			LABORAT	ORY ADD	RESS						ADDRESS		·····
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OHM's LAB COORDINATOR	LAB COORDINATOR'S		LAB COORDINA			LABORA	TORY SER	VICEID	LABORATOR	Y CONTAC	t	FORM (019 REV. 2.97 MAIL REPORT (COMPANY NAME)
Leena Rodriguez	(770) 734	-8060	(770)	453-7716		Accur	Ano	lytical	David	l In	ller	OHM Remediation Corp.
MonFord Point	PROJECT LOCATION Camp Lejeur			1966 3	R	LABORA	TORY PHO	1 8500	LABORATOR			Elena Rodriguez
PROJECT CONTACT	PROJECT PHONE NUMI	3ER	PROJECT FAX			LABORA	TORY ADD			1 4	1	ADDRESS
indy Smith	(910) 451-			451-1809		60			oplis		WIV(
+ROJECT ADDRESS	city, state and zipc Camp Lej		LANTO1	M			ATE AND 2		(A	21)07/	CITY STATE AND ZIPCODE Norcross, CA 30092
HROJECT MANAGER	PROJECT MANAGER'S		PROJECT MANA			IVe	cre	<u>,,,</u>	GA,	<u></u>	ת עו	
im Dunn	(770) 734-		1	453-1743			Ser 1	600		//		
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Dist	tribution: White	e - Laboratory (To be retur	ned with An	alytical R	eport);	Golde	enrod -	Project F	ile; Y	ellow -	Project Data Manager

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Subsidiary of U.S. Route 22-	:5 CC OHM Ca 1 East	prporation Findlay,	Ohio 45	840 • (4	(19) 423- 3	526		•										20685 FORM 0019	3 9 REV. 2-97
OHM's LAB COORDINATOR	LAB COC	RDINATOR'S	PHONE			DINATOR'S I					SERVICE			ATORY C			1	MAIL REPORT (COMPANY NAME)	
PROJECT NAME		0) 734			(770				LABOR	RATORY	ANN PHONE ,	<u>/</u>		Un v ATORY F.		F.	ler	OHM Remediation Corp. Recipient NAME	
		Lejeu					966	8	320	.44	4-88	00						RECIPIENT NAME Elena Rodriguez	
PROJECT CONTACT Kandy Smith		рнопе мим) 451-			PROJECT F (911		~1809		60		ADDRESS	ns	nc	ial	Ûr	110		ADDRESS 5445 Triangle Pkwy, S	te 400
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Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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OHM'S LAB COORDINATOR	LAB COOR	DINATO	R'S PHONE		LAB COO	RDINATOR'S	FAX		ł	ABORATORY		D	LABORA		ME	Hant	MAIL REPORT (COMPANY NAME)
Hissy Art			4-806	0	(770)	453-						6 11	ela	te-1	nda	ban/h	
PROJECT NAME	PROJECT I Uamp						DECT NUMB			BORATORY				10RY FAX		4998-	RECIPIENT NAME
PROJECT CONTACT	FROJECI				PROJECT		<u>~``</u> t		<u>_</u>	ABORATORY	ADDRESS	707	2.			CA K	Misay Art Address
Bandy Smith	(910)	451	-2390))451-	1809		1	6406-	U.S.	-Rt	e Z		<u>15t (</u>	14 1. 1. ~ 10,	5445 Triangle Pkwy. Sto 400
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	PHONE (770)) 453				ුන්		,012	/			/ /	
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	stributio	with W	hite - Li	aboratory	(To be i	returned	with Ar	nalytica	al Repo	ort); G	oldenro	od - 1	Proje	et File	; Yel	low - Pr	oject Data Manager

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OHM Remed		CHAIN-OF-			PP-TELP TESMANAGER'S COPY
Services Cor Subsidiary of OIIM Corp. U.S. Route 224 East • 1	P oration Findlay, Ohio 45840 * (4	<i>419) 423-3526</i>	ly doologic		205656 FORM 0019 REV. 2-97
	INATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	FORM 0019 REV. 2-97
Missy Art (770)		(770) 453-7716		Melanie Radabaus	h ONEA Remediation Corp.
PROJECT NAME: PROJECT LO		PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX 424-4998	RECIPIENT NAME
Pib SOI Project Comp 1 PROJECT CONTACT PROJECT PH	IONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	and the second	ADDRISS
	451-2390 and zipcodi	(910)451-1809 CLENT	16406 U.S. RI	re 194 East	5445 Triangle Pkwy, Ste 400 City, State and Zipcode
PROJECT MANAGER PROJECT MANAGER	Le jeune, MC MAGER'S	LANTDIV :	Findlay, OH	45840	Norcioss, GA 30092
Jim Duno (770)	734-8072	(770) 453-7743	Analyses I for	/////	
Sample Identifier	Matrix Date Ti	The stephen to Court of Level 7. A.	Anu		Comments
1 CL 151041 5	011 9211 1628	4 1 WECSP 24 E 1165			Suil from grid 21,06
2 24 151043	8/22/ 0820				2011 1 1000 Jard 2,2,0-611
3 64 151 045	0.830	5		<u> </u>	oilfrom griet 23,0.611
4 (15/047	0836				01 (som grid 24, 0-6
5 <u>CL 151049</u>	0341				sould a magaid 25,06"
6 CLISIOSI	0855			5	oil from grid 26, D-6"
7 CL151053	0900				oil 100m gard 27 6.6
8 <u>CL151055</u>	0705				Sout (won your 28, 0-6"
9 (151057	0910				od from 9511 27,0.6"
10 (215) 059	4 1 1725		$ \psi $		0.1 (10m grid 30, 0 G
SAMPLES COLLECTED BY -5 Q / 5 5 P	COURIER AND AIR B	ILL NUMBER. F-ACX 3665 RECEIVED BY DATE	<u>344104</u>		COOLER TEMPERATURE UPON RECEIPE E-S-CONDITION UPON-RECEIPT
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Distribution:	White - Laboratory (To be returned with Analytical R	eport); Goldenrod -	Project File: Yellow -	Project Data Manager

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fM's LAB COORDINATOR	LAB COORDINA				LAB COORDINATOR'S FAX					LABORATORY SERVICE ID LABORATORY CONTACT					TORY CC	INTACT		MAIL REPORT (COMPANY NAME)	
issy Art	(70) 7	734-8	3060		(770)	45	37	716						1	elan	ia	Rada	ıbauı	zh OIM Remediation Corp.
PB SUIL Provant	PROJECT LOCA			PROJECT NUMBER					8	LABORATORY PHONE				LABORATORY FAX 3 (419) 424-4998-				RECIPTENT NAME	
OJECT CONTACT	PROJECT PHON	E NUMBER	\ <u>t</u>	Ī	PROJEC	T FAX							ADDRESS					<u>a 10</u>	ADRESS
andy Smith	(910) 45		2390) 45	1-1	809					J.S.		e92	4 E	ast		5445 Trianglo Pkuy, Stm 400
OJECT ADDRESS	CLUY, STATE AN				CLIENT								NDZIPCO						CITY STATE AND ZIPCODE
ot 203 Holcomb B1v	PROJECT MAN/		me.	NC	LAN'						141	dla;	y, ()	H 1	4584			~	- Noreyoeg, GA 30092
im Dunn	(779) 71	3480)72		(77))) 4	53	7743			•	حص				/			
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DHM'S LAB COORDINATOR		RDINATOR'S				AB COORDINATOR'S FAX			AX .		(174) 36		RY SERVICE ID ふろーきにつく。		LABORATOR		CONTACT		MAH, REPORT (COMPANY NAME)
Jsey Art		<u>) 734</u> LOCATION	-8060		(770)		PROJEC	CT: NUM			LABO	RATORY	PHONE		LABORAT	ORY FAX			Child Remediation Corp.
Phone Proved	Catap	Leje			[6 8			(419) 424-4943		43	(419)424-4998-			1 8-	Address			
Roject Contact Randy Smith		PHONE NUM			PROJECT)) 4.	1 د	1809			1				224			1.5 -	5445 Triangle Parkway
PROJECT ADDRESS	CUY, STA	TE AND ZIP	CODE		CLIENT					CITY: STATE AND ZIPCODE, $S \leftrightarrow \phi \neq e = t \phi$			105 100000			CITY_STATE AND ZIPCODE			
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Clanner Bisham	(770) 734-8060 PROJECT LOCATION	(770) 453-771	16	776-368-0636 LABORATORY PHONE	LABORATORY FAX	OHM Remediation Corp.
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Randy Sigs.th	(910) 4512390 CITY, STATE AND ZIPCODE	(910)451-180 CLIENT	19	16406 U.S. R CITY, STATE AND ZIPCODE	te 224 Bast	5445 Trialgle Pkwy. Ste 400 CUV STATE AND ZUCODE
Lot 203 Holcomb Bly		NC LANTDIV		Findlay, OH	45340	Norcross, GA 30092
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Missy Art	(770) 734-8060	<u>    (770)  4537716</u>				Radabaugh	OHM Remediatio	
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PROJECT CONTACT	Camp Lejeune Project phone number	PROJECT FAX		LABORATORY ADD	JRESS		ADDRESS	
	(910) 451-2390	(910)451-1809	· · · · · · · · · · · · · · · · · · ·	<u>16406 II.</u>	S. Rt 224	Rast	5445 <u>1) iangle</u> P	kwy. Sto 400
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Jim Dunn	(770) 734-8072	(770) 453-774		Analyses	FOI		//	
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Randy Smith	(910) 4512 CITY, STATE AND ZIPCC		(910)451 CLIENT	1809	,	16406** CUY STATE /		te 224 E	st	5445 Ty Lang City state and zipco	<u>le Plwy. (</u> DF	ste 400
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он		LAB COORDINATOR'S		LAB COORDIN/			LABORATOR	Y SERVICE ID	LABORATORY	CONTACT	MAIL REPORT (COMPANY NAM	FORM 0019 REV. 2-97 #E)
C M	HELAB COORDINATOR Tundin Kishian Tusy AFC	(770) 734	-8060	(770) 4	<u>53-7716</u>				Melante	Radabaugh	<u>OHM_Remediat</u>	lou Corn.
	OFCT NAME	PROJECT LOCATION	115-14	- <u>(</u>	PROJECT NUM		LABORATOR		LABORATORY	FAN	RECIPIENT NAME	
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	andy Smith	(910) 451- CILY, STATE AND ZIPO		(910)4 CLIENT	511809				te 224	East	5445 Triangle	Pkwy. Ste 400
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OHMIS LAB COORDINATOR	OORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAH. REPORT (COMPANY NAME)
MedsverArt (77	70) 734-8060	(770) 453-7716		He Tante Radabaugh	ON'1 Remediation Corp.
PROJECT NAME PROJEC		PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
	op Le Jeune	PROJECT FAX	LABORATORY ADDRESS	13 (419) A24-A998	Maray Art Claudin Bighan
	)) 451-2390	(910)451-1809	16406-U.SR	te 224 East	5445 Trizugle Pkuy, Ste 400
PROJECT ADDRESS	STATE AND ZIPCODE	CLIENT	CITY STATE AND ZIPCODE		CITY STATE AND ZIPCODE
Lot 203 Holcomb BLvd Ca	<u>amp Lejeune, NC</u>	PROJECT MANAGER'S FAX	Findlay, OH	-25840	Noregoes, CA 30092
PHONE	) 734-8072	(770) 453-7743	Set W		
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OHM Remediation Services Corp Subsidiary of OHM Corporation U.S. Route 224 East • Findlay, Ohio 4584	0 • (419) 423-35	11	-CUSTODY Asv 109		PEOLE LIDALA MANAGER'S COPY 205376 FORM 0019 REV.
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Services Corport	<b>D</b> ration indlay, Ohio 45840 [•] (419) 423-3526	· }	hickora	1 C	20537 <b>3</b>
	ATOR'S PHONE LAB COORDINA		LABORATORY SERVICE ID	LABORATORY CONTACT	FORM 0019 REV. 2-97 MAIL REPORT (COMPANY NAME)
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Panel (Smille . 10)4	51-2370 1110145	11506	1412-0016	Soop Para C	Col 203, Hole material
PROJECT ADDRESS	AND ZIPCODE CLIENT		CITY: STATE AND ZIPCODE		Col 203 That (Cor) 4 1210 (
PROJECT MANAGER PROJECT MAN	VAGERS PROJECT MANA		NUMBER	1612, 30073,	Salan alle 12 Co.
PROJECT MANAGER Jim Dyunn (770)	734-3072 (170)4	( 53-7743	55 354	×//////	
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Distribution:	White - Laboratory (To be return	ned with Analytical R	eport); Goldenrod -	- Project File; Yellow - Pro	oject Data Manager

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	Remediati es Corp	ion		C	HAIN	<b>≀-OF-</b> 0	CUST	ODY	RE	COI	RÐ		7 - 57 #31 #	2056	
Subsidiary o	f OHM Corporatio 24 East • Findla	n v. Ohio 45840	(419) 423-	3526				These	11						
OHM'S LAB COORDINATOR	LAB COORDINATOR			RDINATOR'S	FAX		LABORATO	14'070 DRY SERVICE		CABORATO	KACONTAC	r,	MAIL REPORT	FORN I (COMPANY NAME)	1 0019 REV
Missy Art	(770) 734	-8060	(770)	453-	7716								- OHPL BZ	mediation Co	***
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PROJECT CONTACT	PROJECT PHONE NU		PROJECT												
Randy Smith	(910) 451-		<u>(910</u> CLIENT	)451-	1809			E AND ZIPCO				nul	<u>5445</u> Ti	iaugle Pkoy.	Ste 4
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PROJECT MANAGUR	s s		MANAGER'S	FAX					97000	F	77	NOT TO	:3, GA 30092		
Jim Dunn	(770) 734-	-8072	(770	1 453	-7743		Analy	ces / V	~/		/ /	//	' / /		
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U.S. Route 224	4 East 🎈 Findlay	1 , Ohio 45840 •	(419) 423-3	526			14436	0106	:1<	- <u></u>			FORM 0019 REV. 2-97
OHM'S LAB COORDINATOR	LAB COORDINATOR 3	5 PHONE	LAB COOR	DINATOR'S F	AX		LABORATORY	SERVICE ID	LABOR	ATORY C	ONTACT	5	MAH, REPORT (COMPANY NAME) .
Missy Art	(770) 734	-8060	1(770)		716 ECT NUMBER		-1180k Jak	Bho 1	15.15	ST.	ารสว	ibaugh,	OHM Remediation Corp.
Mustlerd Print	PROJECT LOCATION	111243			<u>C. 6 x</u>	A.		711-711	213-4-4	<b>1-9</b> )	7.24	4008 1	
PROJECT CONTACT	PROJECT PHONE NUM	ABER	PROJECT F			,	APPRATORY	ADDRESS.	rock	ίλê ,	34	105	diany Art Address
	(910) 451		(910) CLIENT	)451-1	809		1-6406-					and	5445 Triangle Pkwy, Sto 400
PROJECT ADDRESS			LANT	arv			Finita	055,°C	~/! ~~~/  <ji< td=""><td>くいつう</td><td>5 4 w</td><td></td><td>Norcross CA 30092</td></ji<>	くいつう	5 4 w		Norcross CA 30092
LOT 203 HOLCOND BLV PROJECT MANAGER	PROJECT MANAGER	s		IANAGER'S F	7AX			· /	/	//	7 /		
Jim Duun	(770) 734-	8072	(770	<u>) 453-</u>	7743		Analyse	~/ /			/ /	///	
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SAMPLES COLLECTED BY	L	COURIER AND AIR	BILL NUMBER										LER TEMPERATURE UPON RECEIPT
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Dis	stribution: Wh	ite - Laboratory	(To be re	eturned v	with Analyti	ical Re	eport); Go	oldenroc	l - Proje	ect Fil	e; Ye	llow - Pro	oject Data Manager

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OHM's LAB COORDINATOR	LAB COORDINATOR'S			DINATOR'S FAX			RY SERVICE IF		RATORY CONT	NCT 5	FORM 0019 REV. 2-97 MAIL REPORT (COMPANY NAME)
Missy Art	(770) 734.	-8060	(770)	453-771				fiela	nie R	adabau	
Montrad Point	PROJECT LOCATION			PROJECT			RYSPHONE 2 (			22-299	RECIPIENT NAME
PROJECT CONTACT	PROJECT PHONE NUM		PROJECT F.	•	<u> </u>	ABOBATC	RYADDRESS	an la	et a	578 10	ADDRESS
Randy Smith	(910) 451-		(910)	451-180	)9	-1-6406	-11-8	Rta-2	24 -Fin	Ht- Mu	2 5445 Triangle Plwy, Ste 400
ROJECT ADDRESS	CITY, SEATE AND ZIP(		CLIENT				EANBRINGOD				CTTY. STATE AND ZIPC ODF
Lot 203 Holcomb Blv project manager	Camp Lein	eune, NC	LANTI	NAGER'S FAN		_ <u>Find</u> 1	ZY. 01	1458	40	~	Norcioss (A 30092
	PHONE (770) 734-1		1	453-77	7/3		es th	/ /		//	
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Service	Remediatio es Corp 011M Corporation 4 East • Findlay, (		(19) 423-35.		AIN-OF-	locic				:		DATA MANAGERS COPY 205667 FORM 0019 - REV. 2/97
OHM'S LAB COORDINALOR	LAB COORDINATOR'S PI	IONE	LAB COORDI	NATOR'S FAX			RY SERVICE ID	LABOR	ATORY CONTA	Trank A	MAIL REPORT (	COMPANY NAME)
Missy Art	(770) 734-	8060	(770)	453-771	6	- lace	21.0.01	Mela	nie Ra	Jabaugh	Olifi Ren	nediation Corp
	PROJECT LOCATION			PROJECT	NUMBER	LABORATO	RY PHONE	LABOR	ATORY FAX	Au.	RECIPIENT NAV	4F:
M. Attor Peint	Camp Lejen	ne	PROJECT FAX		o e	LABORATO	474-49	48 (4	19) 42 77/11/	<u>4-4998</u> St 105	ADDRESS	c <b>t</b>
PROJECT CONTACT				` 451–18(	30	FGS00	UIST	COR Dana		issi tess manifika		Lanulo Phys. Sto (00)
Randy Smith	(910) 451-2 CITY STATE AND ZIPCO		CLIENT	471-101	12		E AND ZIPCODE			<b></b>	CHY, STATE AN	Langle Pkwy. Ste 400 sprecope
			LANTD	i V		Rinda	<u></u>	-458	20-10	)	Noteros	GA 30092
Lot. 203 Holcomb BLV	PROJECT MANAGER'S			NAGER S. FAX			· /	/	77	77	777	
	PHONE (770) 734-3	072	(770)	453-7	743	Analy	en live	/ /	//	///		
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PROJECT ADDRESS Lot 203 Holcomb Blv PROJECT MANAGER Jim Dunn E Sample Identifier	d Camp Lejeune, NC PROJECT MANAGER S PHONE (770) 734-8072	IANTDIV PROJECT MANAGER'S FAX (770) 453-7743	Findlay, OH, 45840	Comments
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## 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.

## Page 2

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

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# 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

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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

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- 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

## 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.

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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/IR

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 contaminates 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

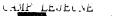
Power is on. Start up this week and next week.

#### 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.

Rond X

Randy Smith Project Supervisor

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

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# 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.

R

Randy Smith Project Supervisor

pc:

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

## October 22, 1997

Attendecs:

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.



#### Sitc 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 Senus 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 clearing frac tanks at Camp Geiger. It was the most cost effective measure to take.

## D.O. 143

<u>AS- 822</u>

Sampled last week. System still off.

<u>STT-69</u>

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

<u>TT-2477/78</u>

• 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 Loti 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

<u>AS- 822</u>

• 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 gave 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 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

- 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

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## 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 Senus - 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 deceived 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.

<u>STT-69</u>

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

<u>TT-2477/78</u>

Continue normal O&M. Asphalt has been completed.

<u>Sitc 820</u>

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 36 hours 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

<u>AS- 822</u>

System still off.

<u>STT- 69</u>

System still off.

<u>TT-2477/78</u>

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

Service	Remediation es Corp OHM Corporation 4 East • Findlay,		(419) 423-3526	CHAIN 5	₩- <b>Ŭ</b> F-0	CUSI	ΓODY		•	M Doser	LABORATORY COPY +#15976-A 206578 FORM 0019 REV. 2-97
OHM's LAB COORDINATOR	LAB COORDINATOR'S P	PHONE	LAB COORDINA	TOR'S FAX		LABORA	TORY SERVIC	EID L	ABORATORY	Sontact J. Fuller	MAIL REPORT (COMPANY NAME)
Elena Rodriguez	770-734-80	60	770-453	-7716		Accur	ra An-	lytic	Davi	J. Fuller	OHM Remediation Services
PROJECT NAME	PROJECT LOCATION Camp Lejer	une		PROJECT NUMBE	ર		TORY PHONE	$m^{1}$	ABORATORY	FAX	RECIPIENT NAME Elena Rodriguez
PROJECT CONTACT	PROJECT PHONE NUMB		PROJECT FAX			LABORA	TORY ADDRES	SS			ADDRESS
Russell Henderson	910-451-23	390	910-451	-1809		601	7 Fi	ΛαΝί	ial	Drive	5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS	CITY, STATE AND ZIPCO		CLIENT			CITY, ST.	ATE AND ZIPC	ODE		0071	CITY, STATE AND ZIPCODE
Lot 203 Holcomb Blv PROJECT MANAGER	PROJECT MANAGER'S	ejeune, NC	LANTD PROJECT MANA			NOI	<u>cro</u>	55,4	ţA J	0071	Norcross, GA 30092
Jim Dunn	PHONE 770-734-80	72	770-453			<b>`</b> -	~ <b>x</b>	. /		XX /	
Sample Identifier	Matri	+ /	1		Level A.T	Anal					Comments
CL151286		3/14/98 10.30	1	L NEESA	48hr	NT	V	17			lease fax results to SITE & to Lena Rodriguez
2 CL 151287 2 Roll OFF #2		3/18/18 11:30	4'C	I NEESN E	48hr	X					Hold 9 JAYS OF Sample GLISI286 FOR
3 CL 151288 3 ROLLOFE #3		3/18/91 )300		NEESK É	48hr	X					Full TCLP, RCI and Pu. Nt Filter Test untill Sustructer
4 CLISI 284		3/18/1345	14%	NEESK E	48hr	X					to run test by Russell
5 Rolloff CLIST	790 1	V18/90 1435	4%	NECSI	48/	$ \chi $					Henderson Per Russell, run LIL TCLP, RCI, Paint Filter CUS/286.
6 CLISI291-FB				NEESA	41	X.			$\mathbf{X}^{-}$		Total PL Only ON CL 15/291-FB
7 CL151292		3/18/98 15 15		NEESA	48hr	Ń		<u> </u>	<u> </u>		· · · · · · · · · · · · · · · · · · ·
8 CL 151 293		3/18/18/1530	11.00	NEGA	48ht	×.		+	<		CLISI 293 Total PL Only
<ul> <li>Liall Composite 105, 104</li> <li>GL 151 294</li> <li>Wull Comport (94, 81,</li> </ul>	7			NEER	48hr		-	$\parallel$	$\dot{\boldsymbol{v}}$		LISI 294 Total P6 Only
<u>— Wall Comport (99,81,</u> 10 —	10/11/15 2011			<b>£</b>			∽+-	+			/
		COURIER AND AIR B		ald T	4-7-70		<del></del>		strates		
RELINQUISHED BY	Henlerson		RECEIVED BY	01960		76 TIME	7		ž/19(*)		DOLER TEMPERATURE UPON RECEIPT.
That m		FED E>	٨			1600			<u></u>	JANELE	
redex	1	Buttan	h Jase		3/18/98	0130	2,				
		1-	, 				<u></u>				
Dist	tribution: White	- Laboratory (	To be return	ned with Ana	alytical R	l eport);	Golden	rod - Pi	oject Fi	le; Yellow - I	Project Data Manager

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6017 Financial Drive, Norcross, Georgia, 30071, Phone (770)449-8800

## CASE NARRATIVE for Project Number: <u>15976-A</u> 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.

<u>TCLP Semivolatiles - SW-846-8270B</u> 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.

<u>TCLP Pesticides - SW-846-8081A</u> Heptachlor Endrin

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

Quality Assurance

**Client Services Representative** 

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	Samp	le II	) #:	AB39573

# Accura Project #: 15976-A

Client Sample ID:	CL 151286		
Client Project Name:	CAMP LEJEUNE	Sample Matrix:	SOIL
Client Project Number:	19668	Date Reported:	4/1/98
Client Contact: R. HE	NDERSON	Date Received:	3/19/98
Client: OHM Corpora	ation-Norcross	Date Sampled:	3/18/98

ANALYSIS: Ignita	bility/Flash Po	int		Method Ref: 1010
Date Analyzed:	4/1/98	Date Ext/Dig/Prep:	4/1/98	Result Units: °F
Analyte Name			Analytical Resul	ts Reported Detection Limits
Ignitability/Flash Po	int		>140	80
ANALYSIS: Paint	Filter Test/Fre	e Liquids		Method Ref: 9095
Date Analyzed:	3/30/98	Date Ext/Dig/Prep:	3/30/98	Result Units: %
Analyte Name			Analytical Resul	ts Reported Detection Limits
Paint Filter Test / Fr	ee Liquids		0	0
ANALYSIS: pH (S	oil/Waste)			Method Ref: 9045C
Date Analyzed:	3/30/98	Date Ext/Dig/Prep:	3/30/98	Result Units: pH units
Analyte Name			Analytical Resul	Reported Detection Limits
рН			6.4	0
ANALYSIS: React	ive 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 Resul	Reported Detection Limits

Reactive Cyanide

ANALYSIS: Reac	tive 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 Res	ults <u>Re</u> r	ported Detection Limits
Reactive Sulfide			<rdl< td=""><td></td><td>10</td></rdl<>		10

ACCURA ANALYTICAL LABORATORY, INC. Client Sample ID: CL 151286 <RDL = Less than Reported Detection Limit

<RDL

10

ANALYSIS: TCLH Date Analyzed:	3/30/98	Date Ext/Dig/Prep:	3/30/98	Result Units:	
Date Maryzou,		Dute Ext Digit tep.	5/50/20	result onlis.	
Analyte Name			Analytical Results	<u>8 Re</u>	ported Detection Limits
TCLP Extraction			NA		0
ANALYSIS: TCLF	P 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	<u>Re</u>	ported Detection Limits
2,4,5-TP (Silvex) (F 2,4-D (Reg Limit =	-	0)	<rdl <rdl< td=""><td></td><td>0.05 0.1</td></rdl<></rdl 		0.05 0.1
ANALYSIS: TCLP	Mercury	Lasser.		Method Ref:	7470A
Date Analyzed:	3/30/98	Date Ext/Dig/Prep:	3/30/98	Result Units:	mg/L
Analyte Name			Analytical Results	Re	ported Detection Limits
Mercury (Reg Limit	= 0.2)		<rdl< td=""><td></td><td>0.01</td></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
Analyte Name			Analytical Results	Re	ported Detection Limits
Arsenic (Reg Limit =	= 5.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1
Barium (Reg Limit =	= 100.0)		1.1		1
Cadmium (Reg Limi	t = 1.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1
Chromium (Reg Lim	nit = 5.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1
Lead (Reg Limit = $5$	.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1
Selenium (Reg Limit	t = 1.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1
Silver (Reg Limit = :	5.0)		<rdl< td=""><td></td><td>1</td></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
Analyte Name			Analytical Results	Re	ported Detection Limits
Chlordane (Reg Lim	it = 0.03)		<rdl< td=""><td></td><td>0.01</td></rdl<>		0.01
Endrin (Reg Limit =			<rdl< td=""><td></td><td>0.002</td></rdl<>		0.002
Heptachlor & Hep E	poxide (Limi	t = 0.008)	<rdl< td=""><td></td><td>0.002</td></rdl<>		0.002
Lindane (gamma-B	HC) (Reg Lin	nit = 0.4)	<rdl< td=""><td></td><td>0.004</td></rdl<>		0.004
Methoxychlor (Reg	Limit = 10)		<rdl< td=""><td></td><td>0.1</td></rdl<>		0.1
Methoxychiol (Reg.					

<RDL = Less than Reported Detection Limit

Date Analyzed:	3/31/98	Date Ext/Dig/Prep:	3/31/98	Result Units:	mg/L
Analyte Name			Analytical Result	<u>s</u> <u>Re</u>	ported Detection Lim
1,4-Dichlorobenzer	ne (Reg Limit =	= 7.5)	<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
2,4,5-Trichlorophe	· +		<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
2,4,6-Trichlorophe	, Ç		<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
2,4-Dinitrotoluene	· •	,	<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
2-Methylphenol (R	· •		<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
4-Methylphenol (R	-		<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
Hexachlorobenzen			<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
Hexachlorobutadie			<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
Hexachloroethane	· -		<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
Nitrobenzene (Reg		.0)	<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
· -		00.0)	<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
Pentachlorophenol		00.07	<rdl <rdl< td=""><td></td><td>0.04</td></rdl<></rdl 		0.04
Pyridine (Reg Limi					
Total Cresol (Reg I	$\lim t = 200.0$ )		<rd>k</rd>		0.04
<u>ANALYSIS: TCL</u>	P-ZHE Leach	ing Extraction		Method Ref:	1311
Date Analyzed:	3/30/98	Date Ext/Dig/Prep:	3/30/98	Result Units:	
		•	Analytical Result	- D.	ported Detection Limi
<u>Analyte Name</u>			<u>i mary ticar result</u>	<u>s Ke</u> l	borred Detection Linn
TCLP-ZHE Extract	P-ZHE VOC's		NA Plant of the second of the	Method Ref:	0 5030A/8260A
TCLP-ZHE Extract		S Date Ext/Dig/Prep:	NA Plant of the second of the	- 19	0
<u>Analyte Name</u> TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed: <u>Analyte Name</u>	P-ZHE VOC's	8	NA Plant of the second of the	Method Ref: Result Units:	0 5030A/8260A
TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed:	J <b>P-ZHE VOC'</b> 3/31/98	S Date Ext/Dig/Prep:	NA 3/31/98	Method Ref: Result Units:	0 5030A/8260A mg/L
TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed: Analyte Name	<u>P-ZHE VOC's</u> 3/31/98 e (Reg Limit = 0	Date Ext/Dig/Prep:	NA 3/31/98 <u>Analytical Result</u>	Method Ref: Result Units:	0 5030A/8260A mg/L ported Detection Limit
TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed: Analyte Name 1,1-Dichloroethene	2 <b>P-ZHE VOC's</b> 3/31/98 e (Reg Limit = 0 e (Reg Limit = 0	Date Ext/Dig/Prep:	NA 3/31/98 <u>Analytical Result</u> <rdl< td=""><td>Method Ref: Result Units:</td><td>0 5030A/8260A mg/L ported Detection Limit 0.05</td></rdl<>	Method Ref: Result Units:	0 5030A/8260A mg/L ported Detection Limit 0.05
TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed: <u>Analyte Name</u> 1,1-Dichloroethene 1,2-Dichloroethane	2 <b>P-ZHE VOC's</b> 3/31/98 e (Reg Limit = 0 e (Reg Limit = 0 it = 0.5)	Date Ext/Dig/Prep: 0.7)	NA 3/31/98 <u>Analytical Result</u> <rdl <rdl< td=""><td>Method Ref: Result Units:</td><td>0 5030A/8260A mg/L ported Detection Limit 0.05 0.05</td></rdl<></rdl 	Method Ref: Result Units:	0 5030A/8260A mg/L ported Detection Limit 0.05 0.05
TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed: Analyte Name 1,1-Dichloroethene 1,2-Dichloroethane Benzene (Reg Limi	<u>P-ZHE VOC's</u> 3/31/98 (Reg Limit = ( (Reg Limit = ( it = 0.5) le (Reg Limit =	S Date Ext/Dig/Prep: 0.7) 0.5)	NA 3/31/98 <u>Analytical Result</u> <rdl <rdl <rdl< td=""><td>Method Ref: Result Units:</td><td>0 5030A/8260A mg/L ported Detection Limit 0.05 0.05 0.05</td></rdl<></rdl </rdl 	Method Ref: Result Units:	0 5030A/8260A mg/L ported Detection Limit 0.05 0.05 0.05
TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed: Analyte Name 1,1-Dichloroethene 1,2-Dichloroethane Benzene (Reg Limi Carbon tetrachlorid Chlorobenzene (Re	2 <b>P-ZHE VOC's</b> 3/31/98 e (Reg Limit = 0 e (Reg Limit = 0 it = 0.5) le (Reg Limit = eg Limit = 100.0	S Date Ext/Dig/Prep: 0.7) 0.5)	NA 3/31/98 Analytical Result <rdl <rdl <rdl <rdl <rdl< td=""><td>Method Ref: Result Units:</td><td>0 5030A/8260A mg/L <u>ported Detection Limit</u> 0.05 0.05 0.05 0.05</td></rdl<></rdl </rdl </rdl </rdl 	Method Ref: Result Units:	0 5030A/8260A mg/L <u>ported Detection Limit</u> 0.05 0.05 0.05 0.05
TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed: Analyte Name 1,1-Dichloroethene 1,2-Dichloroethane Benzene (Reg Limi Carbon tetrachlorid Chlorobenzene (Reg L	2 <b>P-ZHE VOC's</b> 3/31/98 (Reg Limit = 0 (Reg Limit = 0 (Reg Limit = 0.5) le (Reg Limit = 100.0 Limit = 6.0)	S Date Ext/Dig/Prep: (0.7) (0.5) (0.5) (0.5)	NA 3/31/98 Analytical Result <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl< td=""><td>Method Ref: Result Units:</td><td>0 5030A/8260A mg/L ported Detection Limit 0.05 0.05 0.05 0.05 0.05 0.05</td></rdl<></rdl </rdl </rdl </rdl </rdl </rdl </rdl 	Method Ref: Result Units:	0 5030A/8260A mg/L ported Detection Limit 0.05 0.05 0.05 0.05 0.05 0.05
TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed: Analyte Name 1,1-Dichloroethene 1,2-Dichloroethane Benzene (Reg Limi Carbon tetrachlorid Chlorobenzene (Reg Chloroform (Reg L Methyl ethyl keton	$\frac{P-ZHE \ VOC's}{3/31/98}$ $e (Reg Limit = 0)$ $e (Reg Limit = 0)$ $e (Reg Limit = 100.0)$ $limit = 6.0)$ $e (Reg Limit = 100.0)$	S Date Ext/Dig/Prep: 0.7) 0.5) 0.5) 0.5) 200.0)	NA 3/31/98 Analytical Result <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl< td=""><td>Method Ref: Result Units:</td><td>0 5030A/8260A mg/L <u>ported Detection Limi</u> 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0</td></rdl<></rdl </rdl </rdl </rdl </rdl </rdl </rdl 	Method Ref: Result Units:	0 5030A/8260A mg/L <u>ported Detection Limi</u> 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0
TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed: Analyte Name 1,1-Dichloroethene 1,2-Dichloroethane Benzene (Reg Limi Carbon tetrachlorid Chlorobenzene (Reg Chloroform (Reg L Methyl ethyl keton Tetrachloroethene	$\frac{P-ZHE \text{ VOC's}}{3/31/98}$ $e (\text{Reg Limit} = 0)$ $e (\text{Reg Limit} = 0.5)$ $e (\text{Reg Limit} = 100.0)$ $e (\text{Reg Limit} = 6.0)$ $e (\text{Reg Limit} = 0.0)$ $e (\text{Reg Limit} = 0.0)$	S Date Ext/Dig/Prep: 0.7) 0.5) 0.5) 0.5) 200.0) 7)	NA 3/31/98 Analytical Result <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl< td=""><td>Method Ref: Result Units:</td><td>0 5030A/8260A mg/L 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0</td></rdl<></rdl </rdl </rdl </rdl </rdl </rdl </rdl 	Method Ref: Result Units:	0 5030A/8260A mg/L 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0
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TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed: Analyte Name 1,1-Dichloroethene 1,2-Dichloroethene Benzene (Reg Limi Carbon tetrachlorid Chlorobenzene (Reg Chloroform (Reg L Methyl ethyl keton Tetrachloroethene (R Vinyl chloride (Reg ANALYSIS: X TC	$\frac{P-ZHE \text{ VOC's}}{3/31/98}$ $e (\text{Reg Limit} = 0)$ $e (\text{Reg Limit} = 0)$ $e (\text{Reg Limit} = 100.0)$ $e (\text{Reg Limit} = 100.0)$ $e (\text{Reg Limit} = 0.0)$ $e (\text{Reg Limit} = 0.0)$ $e (\text{Reg Limit} = 0.0)$ $g \text{Limit} = 0.0$ $g \text{Limit} = 0.0$	S Date Ext/Dig/Prep: (0.7) (0.5) (0.5) (0.5) (0.5) (0.5) (0.5) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.7) (0.	NA 3/31/98 Analytical Result: <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl="" <rdl<br=""><rdl <rd<="" <rdl="" td=""><td>Method Ref: Result Units: <u>s Rep</u> Method Ref: Result Units:</td><td>0 5030A/8260A mg/L 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0</td></rdl></rdl></rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl 	Method Ref: Result Units: <u>s Rep</u> Method Ref: Result Units:	0 5030A/8260A mg/L 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0
TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed: Analyte Name 1,1-Dichloroethene 1,2-Dichloroethene Benzene (Reg Limi Carbon tetrachlorid Chlorobenzene (Re Chloroform (Reg L Methyl ethyl keton Tetrachloroethene (R Vinyl chloride (Reg	$\frac{P-ZHE \text{ VOC's}}{3/31/98}$ $e (\text{Reg Limit} = 0)$ $e (\text{Reg Limit} = 0)$ $e (\text{Reg Limit} = 100.0)$ $e (\text{Reg Limit} = 100.0)$ $e (\text{Reg Limit} = 0)$ $e (\text{Reg Limit} = 0.5)$ $g \text{Limit} = 0.5)$ $g \text{Limit} = 0.2)$ $CLP HERB QO$	S Date Ext/Dig/Prep: 0.7) 0.5) 0.5) 200.0) 7) C Surrogates	NA 3/31/98 <u>Analytical Result</u> <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl<br=""><rdl <rdl<br=""><rdl <r<="" <rdl="" td=""><td>Method Ref: Result Units: <u>s Rep</u> Method Ref: Result Units:</td><td>0 5030A/8260A mg/L 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0</td></rdl></rdl></rdl></rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl 	Method Ref: Result Units: <u>s Rep</u> Method Ref: Result Units:	0 5030A/8260A mg/L 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0
TCLP-ZHE Extract ANALYSIS: TCL Date Analyzed: Analyte Name 1,1-Dichloroethene 1,2-Dichloroethane Benzene (Reg Limi Carbon tetrachlorid Chlorobenzene (Reg Chloroform (Reg L Methyl ethyl keton Tetrachloroethene (R Vinyl chloride (Reg ANALYSIS: X TC Date Analyzed:	$\frac{P-ZHE \text{ VOC's}}{3/31/98}$ $e (\text{Reg Limit} = 0)$ $e (\text{Reg Limit} = 0)$ $e (\text{Reg Limit} = 100.0)$ $e (\text{Reg Limit} = 100.0)$ $e (\text{Reg Limit} = 0)$ $e (\text{Reg Limit} = 0.5)$ $g \text{Limit} = 0.5)$ $g \text{Limit} = 0.2)$ $CLP HERB QO$	S Date Ext/Dig/Prep: 0.7) 0.5) 0.5) 200.0) 7) C Surrogates	NA 3/31/98 Analytical Result: <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl<br=""><rdl <rd<="" <rdl="" td=""><td>Method Ref: Result Units: <u>s Rep</u> Method Ref: Result Units:</td><td>0 5030A/8260A mg/L 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0</td></rdl></rdl></rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl </rdl 	Method Ref: Result Units: <u>s Rep</u> Method Ref: Result Units:	0 5030A/8260A mg/L 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0

ANALYSIS: X T	CLP PEST QC	Surrogates		Method Ref:	3520B/8081A
Date Analyzed:	3/31/98	Date Ext/Dig/Prep:	3/31/98	Result Units:	%
Analyte Name			Analytical Re	sults <u>Re</u>	ported Detection Limits
Decachlorobiphen	yl		78		0
Tetrachloro-m-xyl			89		0
ANALYSIS: X T	<u>CLP SVOC Q</u>	C Surrogates		Method Ref:	3520B/8270B
Date Analyzed:	3/31/98	Date Ext/Dig/Prep:	3/31/98	Result Units:	0⁄0
Analyte Name			Analytical Re	<u>sults</u> <u>Re</u>	ported Detection Limits
2,4,6-Tribromophe	enol		86		0
2-Fluorobiphenyl			78		0
2-Fluorophenol			60		0
Nitrobenzene-d5			74		0
p-Terphenyl			80		0
Phenol-d6			59		0
ANALYSIS: X T	CLP-ZHE VO	C QC Surrogates		Method Ref:	5030A/8260A
Date Analyzed:	3/31/98	Date Ext/Dig/Prep:	3/31/98	Result Units:	%
Analyte Name			Analytical Re	<u>sults</u> <u>Re</u>	ported Detection Limits
1,2-Dichloroethan	e-d4		107		0
Bromofluorobenze			106		0
Toluene-d8			99		0
					0

Accura Analytical Laboratory, Inc. 1

Pg 4 of 8

Client Sample ID: CL 151286

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 Sa	ample ID #:	AB39582	Acc	ura Project ;	#: 15976-A			
Client: OHM Cor	poration-Norc	ross		Date	e Sampled: 3/18/98			
Client Contact: R	. HENDERSON	1		Date	e Received: 3/19/98			
Client Project Numl	ber: 19668		Date Reported: 4/1/98 Sample Matrix: SOIL					
Client Project Name	e: CAMP LI	EJEUNE						
Client Sample ID:	METH	OD BLANK						
ANALYSIS: Reac	tive 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 Resu	<u>lts</u> <u>Re</u>	ported Detection Limits			
Reactive Cyanide			<rdl< td=""><td></td><td>10</td></rdl<>		10			
<u>ANALYSIS: Reac</u>	tive 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 Resu	<u>lts</u> <u>Re</u>	ported Detection Limits			
Reactive Sulfide			<rdl< td=""><td></td><td>10</td></rdl<>		10			
ANALYSIS: TCL	P Extraction P	rocedure		Method Ref:	1311			
Date Analyzed:	3/30/98	Date Ext/Dig/Prep:	3/30/98	Result Units:				
Analyte Name			Analytical Resu	<u>lts</u> <u>Re</u>	ported Detection Limits			
TCLP Extraction			NA		0			
ANALYSIS: TCL	P Herbicides			Method Ref:	SW846-8151A			
Date Analyzed:	4/1/98	Date Ext/Dig/Prep:	3/31/98	Result Units:	mg/L			
Analyte Name			Analytical Resu	<u>lts Re</u>	ported Detection Limits			
2,4,5-TP (Silvex) ( 2,4-D (Reg Limit =		))	<rdl <rdl< td=""><td></td><td>0.05 0.1</td></rdl<></rdl 		0.05 0.1			
ANALYSIS: TCL	P Mercury			Method Ref:	7470A			
Date Analyzed:	3/30/98	Date Ext/Dig/Prep:	3/30/98	Result Units:	mg/L			
			Analytical Resu	<u>lts Re</u>	eported Detection Limits			
Analyte Name								

ACCURA ANALYTICAL LABORATORY, INC.

<RDL = Less than Reported Detection Limit

Client Sample ID: METHOD BLANK

LIME ADMVZED	<u>P Metals</u> 3/20/98	Date Ext/Dig/Prep:	3/20/98	Result Units:	3010A/6010B mg/L
Date Analyzed:		2 au 2.1 2 19 1 1 p			ported Detection Limit
<u>Analyte Name</u>			Analytical Resu		ported Detection Linin
Arsenic (Reg Limi	t = 5.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1
Barium (Reg Limit	= 100.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1
Cadmium (Reg Lir	nit = 1.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1
Chromium (Reg Li	mit = 5.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1
Lead (Reg Limit =	5.0)		<rdl< td=""><td>l</td></rdl<>	l	
Selenium (Reg Lin	nit = 1.0)		<rdl< td=""><td>1</td></rdl<>	1	
Silver (Reg Limit =	= 5.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1
ANALYSIS: TCL	P Pesticides			Method Ref	3520B/8081A
Date Analyzed:	3/31/98	Date Ext/Dig/Prep:	3/31/98	Result Units:	mg/L
Date Analyzed.	5751778	Date ExtiDig/Tep.			C
Analyte Name			Analytical Resu	<u>ilts</u> <u>Re</u>	ported Detection Limit
Chlordane (Reg Li	mit = 0.03)		<rdl< td=""><td></td><td>0.01</td></rdl<>		0.01
Endrin (Reg Limit	= 0.02)		<rdl< td=""><td></td><td>0.002</td></rdl<>		0.002
Heptachlor & Hep	Epoxide (Limit	z = 0.008)	<rdl< td=""><td></td><td>0.002</td></rdl<>		0.002
Lindane (gamma-l	BHC) (Reg Lim	iit = 0.4)	<rdl< td=""><td></td><td>0.004</td></rdl<>		0.004
Methoxychlor (Reg	g Limit = 10)		<rdl< td=""><td>0.1</td></rdl<>	0.1	
Toxaphene (Reg L	imit = 0.5)		<rdl< td=""><td></td><td>0.1</td></rdl<>		0.1
AND A VOID. TOT	DENOCI-			Mathad Dafe	25200 /02700
<u>ANALYSIS: TCL</u>			2/21/08		3520B/8270B
Date Analyzed:	3/31/98	Date Ext/Dig/Prep:	3/31/98	Result Units:	mg/L
<u>Analyte Name</u>			Analytical Resu	<u>ilts</u> <u>Re</u>	ported Detection Limit
1,4-Dichlorobenzer	ne (Reg Limit =	= 7.5)	<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
1,4-Dichlorobenzer 2,4,5-Trichlorophe			<rdl <rdl< td=""><td></td><td>0.04 0.04</td></rdl<></rdl 		0.04 0.04
	nol (Reg Limit	=400.0)			
2,4,5-Trichlorophe	nol (Reg Limit nol (Reg Limit	=400.0) = 2.0)	<rdl< td=""><td></td><td>0.04</td></rdl<>		0.04
2,4,5-Trichlorophe 2,4,6-Trichlorophe	nol (Reg Limit nol (Reg Limit (Reg Limit = 0	=400.0) = 2.0) .13)	<rdl <rdl< td=""><td></td><td>0.04 0.04</td></rdl<></rdl 		0.04 0.04
2,4,5-Trichlorophe 2,4,6-Trichlorophe 2,4-Dinitrotoluene	nol (Reg Limit nol (Reg Limit (Reg Limit = 0 .eg Limit = 200	=400.0) = 2.0) .13) .0)	<rdl <rdl <rdl< td=""><td></td><td>0.04 0.04 0.04</td></rdl<></rdl </rdl 		0.04 0.04 0.04
2,4,5-Trichlorophe 2,4,6-Trichlorophe 2,4-Dinitrotoluene 2-Methylphenol (R 4-Methylphenol (R	nol (Reg Limit nol (Reg Limit (Reg Limit = 0 eg Limit = 200 eg Limit = 200	=400.0) = 2.0) .13) .0)	<rdl <rdl <rdl <rdl< td=""><td></td><td>0.04 0.04 0.04 0.04</td></rdl<></rdl </rdl </rdl 		0.04 0.04 0.04 0.04
2,4,5-Trichlorophe 2,4,6-Trichlorophe 2,4-Dinitrotoluene 2-Methylphenol (R 4-Methylphenol (R Hexachlorobenzen	nol (Reg Limit nol (Reg Limit (Reg Limit = 0 eg Limit = 200 eg Limit = 200 e (Reg Limit =	=400.0) = 2.0) .13) .0) .0) 0.13)	<rdl <rdl <rdl <rdl <rdl< td=""><td></td><td>0.04 0.04 0.04 0.04 0.04</td></rdl<></rdl </rdl </rdl </rdl 		0.04 0.04 0.04 0.04 0.04
2,4,5-Trichlorophe 2,4,6-Trichlorophe 2,4-Dinitrotoluene 2-Methylphenol (R 4-Methylphenol (R Hexachlorobenzen Hexachlorobutadie	nol (Reg Limit nol (Reg Limit (Reg Limit = 0 eg Limit = 200 eg Limit = 200 e (Reg Limit = ne (Reg Limit =	=400.0) = 2.0) .13) .0) .0) 0.13) = 0.5)	<rdl <rdl <rdl <rdl <rdl <rdl <rdl< td=""><td></td><td>0.04 0.04 0.04 0.04 0.04 0.04 0.04</td></rdl<></rdl </rdl </rdl </rdl </rdl </rdl 		0.04 0.04 0.04 0.04 0.04 0.04 0.04
2,4,5-Trichlorophe 2,4,6-Trichlorophe 2,4-Dinitrotoluene 2-Methylphenol (R 4-Methylphenol (R Hexachlorobenzen Hexachlorobutadie Hexachlorobutadie	nol (Reg Limit nol (Reg Limit (Reg Limit = 0 eg Limit = 200 eg Limit = 200 e (Reg Limit = ne (Reg Limit = (Reg Limit = 3.	=400.0) = 2.0) .13) .0) .0) 0.13) = 0.5)	<rdl <rdl <rdl <rdl <rdl <rdl< td=""><td></td><td>$\begin{array}{c} 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \end{array}$</td></rdl<></rdl </rdl </rdl </rdl </rdl 		$\begin{array}{c} 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \end{array}$
2,4,5-Trichlorophe 2,4,6-Trichlorophe 2,4-Dinitrotoluene 2-Methylphenol (R 4-Methylphenol (R Hexachlorobenzen Hexachlorobutadie Hexachlorobutadie Nitrobenzene (Reg	nol (Reg Limit nol (Reg Limit (Reg Limit = 0 eg Limit = 200 eg Limit = 200 e (Reg Limit = ne (Reg Limit = (Reg Limit = 3. Limit = 2.0)	=400.0) = 2.0) .13) .0) .0) 0.13) = 0.5) 0)	<rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl< td=""><td></td><td>$\begin{array}{c} 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \end{array}$</td></rdl<></rdl </rdl </rdl </rdl </rdl </rdl </rdl 		$\begin{array}{c} 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \end{array}$
2,4,5-Trichlorophe 2,4,6-Trichlorophe 2,4-Dinitrotoluene 2-Methylphenol (R 4-Methylphenol (R Hexachlorobenzene Hexachlorobutadie Hexachlorobutadie Nitrobenzene (Reg Pentachlorophenol	nol (Reg Limit nol (Reg Limit (Reg Limit = 0 eg Limit = 200 e (Reg Limit = 200 e (Reg Limit = ne (Reg Limit = (Reg Limit = 3. Limit = 2.0) (Reg Limit = 1	=400.0) = 2.0) .13) .0) .0) 0.13) = 0.5) 0)	<rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl< td=""><td></td><td>$\begin{array}{c} 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \end{array}$</td></rdl<></rdl </rdl </rdl </rdl </rdl </rdl </rdl 		$\begin{array}{c} 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \end{array}$
2,4,5-Trichlorophe 2,4,6-Trichlorophe 2,4-Dinitrotoluene 2-Methylphenol (R 4-Methylphenol (R Hexachlorobenzen Hexachlorobutadie Hexachlorobutadie Nitrobenzene (Reg	nol (Reg Limit nol (Reg Limit (Reg Limit = 0 eg Limit = 200 eg Limit = 200 e (Reg Limit = ne (Reg Limit = (Reg Limit = 3. Limit = 2.0) (Reg Limit = 1 it = 5.0)	=400.0) = 2.0) .13) .0) .0) 0.13) = 0.5) 0)	<rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl< td=""><td></td><td>$\begin{array}{c} 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \end{array}$</td></rdl<></rdl </rdl </rdl </rdl </rdl </rdl </rdl 		$\begin{array}{c} 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \end{array}$
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2,4,5-Trichlorophe 2,4,6-Trichlorophe 2,4-Dinitrotoluene 2-Methylphenol (R 4-Methylphenol (R Hexachlorobenzene Hexachlorobutadie Hexachlorobutadie Hexachlorophenol Nitrobenzene (Reg Pentachlorophenol Pyridine (Reg Lim Total Cresol (Reg	nol (Reg Limit nol (Reg Limit (Reg Limit = 0 eg Limit = 200 eg Limit = 200 e (Reg Limit = 200 e (Reg Limit = 3. Limit = 2.0) (Reg Limit = 1 it = 5.0) Limit = 200.0)	=400.0) = 2.0) .13) .0) .0) 0.13) = 0.5) 0) 00.0) <b>ing Extraction</b>	<rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl< td=""><td>Method Ref:</td><td>0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04</td></rdl<></rdl </rdl </rdl </rdl </rdl </rdl </rdl 	Method Ref:	0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04
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2,4,5-Trichlorophe 2,4,6-Trichlorophe 2,4-Dinitrotoluene 2-Methylphenol (R 4-Methylphenol (R Hexachlorobenzene Hexachlorobutadie Hexachlorobutadie Hexachlorophenol Nitrobenzene (Reg Pentachlorophenol Pyridine (Reg Lim Total Cresol (Reg	nol (Reg Limit nol (Reg Limit (Reg Limit = 0 eg Limit = 200 eg Limit = 200 e (Reg Limit = 200 e (Reg Limit = 3. Limit = 2.0) (Reg Limit = 1 it = 5.0) Limit = 200.0)	=400.0) = 2.0) .13) .0) .0) 0.13) = 0.5) 0) 00.0) <b>ing Extraction</b>	<rdl <rdl <rdl <rdl <rdl <rdl <rdl <rdl< td=""><td>Result Units:</td><td>0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04</td></rdl<></rdl </rdl </rdl </rdl </rdl </rdl </rdl 	Result Units:	0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04

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	P-ZHE VOC				5030A/8260A
Date Analyzed:	3/31/98	Date Ext/Dig/Prep:	3/31/98	Result Units	: mg/L
Analyte Name			Analytical Res	ults <u>R</u>	eported Detection Limi
1,1-Dichloroethene	e (Reg Limit =	0.7)	<rdl< td=""><td></td><td>0.05</td></rdl<>		0.05
1,2-Dichloroethane	e (Reg Limit =	0.5)	. <rdl< td=""><td></td><td>0.05</td></rdl<>		0.05
Benzene (Reg Lim	it = 0.5)		<rdl< td=""><td></td><td>0.05</td></rdl<>		0.05
Carbon tetrachlorid		= 0.5)	<rdl< td=""><td></td><td>0.05</td></rdl<>		0.05
Chlorobenzene (Re	-		<rdl< td=""><td></td><td>0.05</td></rdl<>		0.05
Chloroform (Reg L		,	<rdl< td=""><td></td><td>0.05</td></rdl<>		0.05
Methyl ethyl keton		200.0)	<rdl< td=""><td></td><td>0.5</td></rdl<>		0.5
Tetrachloroethene			<rdl< td=""><td></td><td>0.05</td></rdl<>		0.05
Trichloroethene (R			<rdl< td=""><td></td><td>0.05</td></rdl<>		0.05
Vinyl chloride (Reg	-	,	<rdl< td=""><td></td><td>0.05</td></rdl<>		0.05
ANALYSIS: X TO	CLP HERB O	C Surrogates		Method Ref:	SW846-8151A
Date Analyzed:	4/1/98	Date Ext/Dig/Prep:	3/31/98	Result Units:	
Analyte Name			Analytical Resu	<u>ults Re</u>	eported Detection Limit
DCAA			66		0
ANALVEIC. V TO		·		Mathad Bafi	3520B/8081A
<u>ANALYSIS: X TO</u>	<u>LE FESI QC</u>	Juirogates		memou Kei,	5520D/0001A
	0 10 1 10 0		3/31/00		0 (
Date Analyzed:	3/31/98	Date Ext/Dig/Prep:	3/31/98	Result Units:	%
	3/31/98	Date Ext/Dig/Prep:	3/31/98 Analytical Resu		% eported Detection Limit
<u>Analyte Name</u> Decachlorobipheny	4	Date Ext/Dig/Prep:	<u>Analytical Resu</u> 116		
<u>Analyte Name</u> Decachlorobipheny	4	Date Ext/Dig/Prep:	Analytical Resu		eported Detection Limit
<u>Analyte Name</u> Decachlorobipheny Tetrachloro-m-xyle	ne		<u>Analytical Resu</u> 116	<u>alts R</u> e	eported Detection Limit 0
<u>Analyte Name</u> Decachlorobipheny Tetrachloro-m-xyle <b>ANALYSIS: X TC</b>	ne		<u>Analytical Resu</u> 116	<u>alts R</u> e	eported Detection Limit 0 0 3520B/8270B
<u>Analyte Name</u> Decachlorobipheny Tetrachloro-m-xyle <u>ANALYSIS: X TC</u> Date Analyzed:	/l me C <u>LP SVOC Q</u> (	C Surrogates	<u>Analytical Resu</u> 116 111	<u>ults R</u> o Method Ref: Result Units:	0 0 3520B/8270B %
<u>Analyte Name</u> Decachlorobipheny Tetrachloro-m-xyle <u>ANALYSIS: X TC</u> Date Analyzed: <u>Analyte Name</u>	/1 ene <u>CLP SVOC Q/</u> 3/31/98	C Surrogates	<u>Analytical Resu</u> 116 111 3/31/98	<u>ults R</u> o Method Ref: Result Units:	0 0 3520B/8270B %
<u>Analyte Name</u> Decachlorobipheny Tetrachloro-m-xyle <u>ANALYSIS: X TC</u> Date Analyzed: <u>Analyte Name</u> 2,4,6-Tribromophe	/1 ene <u>CLP SVOC Q/</u> 3/31/98	C Surrogates	Analytical Result 116 111 3/31/98 Analytical Result 95	<u>ults R</u> o Method Ref: Result Units:	eported Detection Limi 0 0 3520B/8270B % eported Detection Limi 0
<u>Analyte Name</u> Decachlorobipheny Tetrachloro-m-xyle <u>ANALYSIS: X TC</u> Date Analyzed: <u>Analyte Name</u> 2,4,6-Tribromophe 2-Fluorobiphenyl	/1 ene <u>CLP SVOC Q/</u> 3/31/98	C Surrogates	Analytical Result 116 111 3/31/98 Analytical Result 95 87	<u>ults R</u> o Method Ref: Result Units:	eported Detection Limi 0 0 3520B/8270B % eported Detection Limi 0 0
<u>Analyte Name</u> Decachlorobipheny Tetrachloro-m-xyle <u>ANALYSIS: X TC</u> Date Analyzed: <u>Analyte Name</u> 2,4,6-Tribromopher 2-Fluorobiphenyl 2-Fluorophenol	/1 ene <u>CLP SVOC Q/</u> 3/31/98	C Surrogates	Analytical Rest 116 111 3/31/98 Analytical Rest 95 87 66	<u>ults R</u> o Method Ref: Result Units:	eported Detection Limi 0 0 3520B/8270B % eported Detection Limi 0 0 0
<u>Analyte Name</u> Decachlorobipheny Tetrachloro-m-xyle <u>ANALYSIS: X TC</u> Date Analyzed: <u>Analyte Name</u> 2,4,6-Tribromopher 2-Fluorobiphenyl 2-Fluorophenol Nitrobenzene-d5	/1 ene <u>CLP SVOC Q/</u> 3/31/98	C Surrogates	Analytical Results 116 111 3/31/98 Analytical Results 95 87 66 86	<u>ults R</u> o Method Ref: Result Units:	eported Detection Limi 0 0 3520B/8270B % eported Detection Limi 0 0 0 0 0
<u>Analyte Name</u> Decachlorobipheny Tetrachloro-m-xyle <u>ANALYSIS: X TC</u> Date Analyzed: <u>Analyte Name</u> 2,4,6-Tribromopher 2-Fluorobiphenyl 2-Fluorobiphenol Nitrobenzene-d5 p-Terphenyl	/1 ene <u>CLP SVOC Q/</u> 3/31/98	C Surrogates	Analytical Rest 116 111 3/31/98 Analytical Rest 95 87 66	<u>ults R</u> o Method Ref: Result Units:	eported Detection Limit 0 0 3520B/8270B % eported Detection Limit 0 0 0 0
Analyte Name Decachlorobipheny Tetrachloro-m-xyle ANALYSIS: X TO Date Analyzed: Analyte Name 2,4,6-Tribromopher 2-Fluorobiphenyl 2-Fluorobiphenol Nitrobenzene-d5 p-Terphenyl Phenol-d6	/l ene <u>CLP SVOC Q</u> 3/31/98 nol	<u>C Surrogates</u> Date Ext/Dig/Prep:	Analytical Result 116 111 3/31/98 Analytical Result 95 87 66 86 83	ults <u>Ro</u> Method Ref: Result Units: <u>ults Ro</u>	eported Detection Limit 0 0 3520B/8270B % eported Detection Limit 0 0 0 0 0 0 0 0 0
Analyte Name Decachlorobipheny Tetrachloro-m-xyle ANALYSIS: X TO Date Analyzed: Analyte Name 2,4,6-Tribromopher 2-Fluorobiphenyl 2-Fluorobiphenyl Nitrobenzene-d5 p-Terphenyl Phenol-d6 ANALYSIS: X TO	/l ene <u>CLP SVOC Q</u> 3/31/98 nol	<u>C Surrogates</u> Date Ext/Dig/Prep:	Analytical Result 116 111 3/31/98 Analytical Result 95 87 66 86 83	ults <u>Ro</u> Method Ref: Result Units: <u>ults Ro</u>	eported Detection Limit 0 0 3520B/8270B % eported Detection Limit 0 0 0 0 0 0 0 0 0 0 0 0 0
Analyte Name Decachlorobipheny Tetrachloro-m-xyle ANALYSIS: X TO Date Analyzed: Analyte Name 2,4,6-Tribromopher 2-Fluorobiphenyl 2-Fluorophenol Nitrobenzene-d5 p-Terphenyl Phenol-d6	rl ene <u>CLP SVOC Q</u> 3/31/98 nol <u>CLP-ZHE VO</u>	<u>C Surrogates</u> Date Ext/Dig/Prep: C QC Surrogates	Analytical Resu 116 111 3/31/98 Analytical Resu 95 87 66 86 83 64	Alts Ro Method Ref: Result Units: Alts Ro Method Ref: Result Units:	eported Detection Limit 0 0 3520B/8270B % eported Detection Limit 0 0 0 0 0 0 0 0 0 0 0 0 0
Analyte Name Decachlorobipheny Tetrachloro-m-xyle ANALYSIS: X TO Date Analyzed: Analyte Name 2,4,6-Tribromopher 2-Fluorobiphenyl 2-Fluorobiphenyl Nitrobenzene-d5 p-Terphenyl Phenol-d6 ANALYSIS: X TO Date Analyzed:	/l me <u>CLP SVOC Q</u> / 3/31/98 nol <u>CLP-ZHE VO</u> 3/31/98	<u>C Surrogates</u> Date Ext/Dig/Prep: C QC Surrogates	Analytical Rest 116 111 3/31/98 Analytical Rest 95 87 66 86 83 64 3/31/98	Alts Ro Method Ref: Result Units: Alts Ro Method Ref: Result Units:	eported Detection Limit 0 0 3520B/8270B % eported Detection Limit 0 0 0 0 0 0 0 0 0 0 0 0 0

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Toluene-d8

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ACCURA ANALYTICAL LABORATORY, INC.

<RDL = Less than Reported Detection Limit

Pg 8 of 8

Client Sample ID: METHOD BLANK

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🗧 📃 Service	emediation s Corp DHM Corporation H East * Findlay, Ohio 4	5840 • (419) 4		IAIN-OI	r-Cl	JSTO	DY RI	ECORD	Project le		LABORATORY COPY 206596
OFEN'S LAB COORDINATOR	LAB COORDINATOR'S PHONE		COORDINATOR'S FA			ABORATORY		LABORATORY CO	MTACT FIL	MAIL REPORT (CO	MIPANY NAME
Elena Rodriguez	770-734-8060	77	0-453-77						r. y Fulle		diation Services
MonFord PT	PROJECT LOCATION Camp Lejeune		19	668			149-880			Elena Ro	driguez
PROJECT CONTACT Russell Henderson	PROJECT PHONE MUMBER 910-451-2390	91	0-451-180	)9		LABORATORY	7 Fir	nancia	al Dr.		angle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb Blv			LANTDIV	······································		TTY STALL	NDZIECONE		30071	CITY, STATE AND NOTCTOSS	zifcode ;, GA 30092
PROJECT MANAGER Jim Dunn	project manager's 770-734-8072	77	0-453-77	43		Analyse	000				
E Sample Identifier	Marit	Date Time	Preserved Hot	Cont Level	, P.	Anatu			///		Comments AAL # : AB
1 CL151 295		16:30 4	C   I	E 48	1	X			1 1		cesults to SITE & to guez 39774
2 CL 151 296 F Figla BLANK	Water 1/204	1 1	VO3 (	NEESA 48 NEESA	hr )	X,				39	715
3 RO110FF # 8	<u>Soil 3/24</u> 4	80745 4	1 2	E 48 NEEST	Kr	- X	<b>}</b>			- 39	776
A RolleFF # 9	So:1 3/20/	0845 4	21	E 48	'hr	-X					777
5 RollOFF # 10		4x 1020 4	21	HEFCA	1/-	X	<b>↓</b>	+			778
6 WHI COMP OF 44, 81,70		91 0900 4		C 78	hr	$\mathbf{Y}_{-}$		┿┈┾╾┼		- 39-	779
7 Wall Cong of 47,58,			4 <u>7</u>	C 48	hr	X	<u> </u>	╉╌┠╾╂		- 39	186
8 F100+6040 F1051049	4,61,74 Soil 3/20	18 19 130 4		ITZESA TO	<u>hr</u>	X_		+ $+$ $+$		31	781
⁹ Well Come 58,47,56 CL 151 304		10945 4		C 48		$\rightarrow$	╄┣	$\left\{ - \right\} $		- 51	182
10 ICCONTONA 38 99,70 SAMPELE OFFECTED BY: Russell		IO30 9	UMBER: 8019	2607.5°		53				X.ER TEMPERATURE U	183 HUN RECEIPT 5°C
RUSSell Henderson	FE	O EX	VED BY	3/10/	98	TIME	<u> </u>		SAMPLE S	CONDITION UPON RE	CEIPT
Fed Bx		har Trin	nfel		-18 ¢	5:930	<u>6001</u>				
D	stribution: White - La	boratory (To	be returned v	vith Analytic	al Re	port); G	oldenrod -	Project File	e; Yellow - Pr	oject Data Ma	Inager

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OHM R Service Subsidiary of U.S. Route 22	CHAIN	-OF-(	CUSTO				LABORATORY COPY 206595			
OHM's LAB COORDINATOR	LAB COORDINATOR'S P	PHONE	LAB COORDINATOR'S FAX			LABORATORY SERVICE ID LABORATORY CONTACT				FORM 0019 REV 2.97 MAIL REFORT (COMPANY NAME)
Elena Rodriguez	770-734-80	770-453-7716			Accura	whitel	David	Fuller	OHM Remediation Services	
Mon Ford PT	Camp Leje	une	PROJECT NUMBER			LABORATORY PHONE LABORATORY FAX				ETEME*Rodriguez
PROJECT CONTACT Russell Henderson			PROJECT FAX 910-451-1809			6017 Financial Ar			Dr	5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS CITY, STATE AND ZUPC Lot 203 Holcomb Blyd. Camp L					CITY STATE AND ZIPCODE Norchoss GA 30071			30071	CITY STATE AND ZIFCODE NOTCTOSS, GA 30092	
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S 770-734-8072		PROJECT MANAGER'S FAX 770-453-7743						111	
Sample Identifier				NEESN	Level A.T.	Analyse	P.P.P.		1 1 1	Comments AAL# AB
¹ Floor Com 73,58 ² CL 151 706 ² Floor Comp 37,38,44,5		3/20/98 1040 3/20/98 1050	4°C   4°C	NEESN	48hr 48hr	X				Elena Rodriguez 39784 <u>C1151305; 5 Floor Comp OF</u> 73,58,47,72,56,100 398754
3 Floor Comp 39,40,61		3/20/98/110	4.6 1	NÉESN	1491 L	$\mathbf{X}$				39786
4 Floor Com, 39, 40, 61	' '   _	3/20/98/110	421	Nifesh	48hr	X				
1, 10, 151309	8,74 Soil		47	NEESA	48hr	X				39788
CL 51310		3/4/98 1100	47 1	VEEST	and the state of t	X	+			- 39769
- CL151311		B/2.41 [100	4.7	NCEST		X				-29796
8 CL151312		3/2df1 1220		VECSA			1		+++	29791
9 CL151313 9 RolloFF # 12	Soil	3/20kg 1410	401	NEES	4KLL				╋╾┼╾┽	29797
10 CL 5 3 4	41 Soil	3/209 1430	47	VEEST	48.64	X	<u>*</u>		+	29797
SAMPLES COLLECTED BY. RILSCOM	Henterson	COURIER AND AIR BI		01960		53			- <b>I</b>	
RELINQUISHED BY			RECEIVED BY DAT			TIME SAMPLE S C				COOLER TEMPERATURE UPON RECEIPT 5 2
Fer FE						1600				
1 ted tx	Mehal (rindal 3.23			5-25-48	09:30 Goal					
		<b> </b>								
Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager										

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# CASE NARRATIVE for Project Number: <u>16002</u> 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

**Client Services Representative** 

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

LABORATORY REPORT

#### Accura Sample ID #: AB39774

## Accura Project #: 16002

Date Sampled: 3/19/98

Date Received: 3/23/98

Date Reported: 3/25/98

Sample Matrix: SOIL

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MonFord PT

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.

Client Sample ID: CL151295

AALSample ID #: AB39774 Accura Project #: 16002

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LABORATORY REPORT

## Accura Sample ID #: AB39775

3/25/98

# Accura Project #: 16002

Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON Client Project Number: 19668

Client Project Name: MonFord PT

Client Sample ID: CL151296 FB

#### ANALYSIS: Metals - Lead

Date Analyzed:

Analyte Name

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

Method Ref: 3010A/6010B

Result Units: mg/L

Analytical Results

<RDL

Reported Detection Limits

0.05

Accura Analytical Laboratory, Inc.

Lead

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Pg 2 of 22

Client Sample ID: CL151296 FB

neeura riojeet #.

Date Sampled: 3/20/98 Date Received: 3/23/98 Date Reported: 3/25/98 Sample Matrix: WATER

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LABORATORY REPORT

## Accura Sample ID #: AB39776

## Accura Project #: 16002

Client: OHM Corporation-Norcross							
Client Contact: R. HENDERSON							
Client Project Number:	19668						
Client Project Name:	MonFord PT						
Client Sample ID:	CL151297						

# Date Sampled: 3/20/98 Date Received: 3/23/98 Date Reported: 3/25/98 Sample Matrix: SOIL

ANALYSIS: TCLP	Extraction P	rocedure	Method Ref: 1311			
Date Analyzed:	3/23/98	Date Ext/Dig/Prep:	3/23/98	Result Units:		
Analyte Name			Analytical Resul	ts	Reported Detection Limits	
TCLP Extraction			NA		0	
ANALYSIS: TCLP	Metals - Lead	L		Method Re	ef: 3010A/6010B	

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

Date Analyzed: 3/25/98

Analyte Name

Lead (Reg Limit = 5.0)

Analytical Results

Reported Detection Limits

<RDL

1

Result Units: mg/L

Accura Analytical Laboratory, Inc.

Client Sample ID: CL151297

AALSample ID #: AB39776 Accura Project #: 16002

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LABORATORY REPORT

#### Accura Sample ID #: AB39777

#### Accura Project #: 16002

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MonFord PT

Client Sample ID: CL151298

## Date Sampled: 3/20/98 Date Received: 3/23/98 Date Reported: 3/25/98 Sample Matrix: SOIL

**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 Ext/Dig/Prep: 3/24/98 Date Analyzed: 3/25/98 Result Units: mg/L Analyte Name Analytical Results Reported Detection Limits Lead (Reg Limit = 5.0) 1.1 1

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ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: CL151298

AALSample ID #: AB39777 Accura Project #: 16002

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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:

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

Analyte Name

**TCLP** Extraction

#### ANALYSIS: TCLP Metals - Lead

3/25/98

Date Analyzed:

Analyte Name

Lead (Reg Limit = 5.0)

Analytical Results

Reported Detection Limits

1

**Reported Detection Limits** 

0

1.9

Analytical Results

NA

Method Ref: 3010A/6010B

mg/L

Result Units:

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Client Sample ID: CL151299

AALSample ID #: AB39778 Accura Project #: 16002

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LABORATORY REPORT

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Darce-wird Approved

Accura Sa	ample ID #	: AB39779	Acc	ura Project	#: 16002
Client: OHM Con	rporation-No	rcross		Dat	e Sampled: 3/20/98
Client Contact: R	. HENDERSC	N		Dat	e Received: 3/23/98
Client Project Num	ber: 19668			Dat	e Reported: 3/25/98
Client Project Name	e: MonFor	d PT		San	nple Matrix: SOIL
Client Sample ID:	CL151	1300			
ANALYSIS: % So	olids			Method Ref:	EPA 160.3
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result Units:	%
Analyte Name			Analytical Resul	<u>ts Re</u>	ported Detection Limits
Solids			73		0.01
ANALYSIS: Meta	ls - Lead			Method Ref:	3050B/6010B
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/24/98	Result Units:	mg/Kg
Analyte Name			Analytical Result	ts <u>Re</u>	ported Detection Limits
Lead			98		5

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Client Sample ID: CL151300

AALSample ID #: AB39779 Accura Project #: 16002

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LABORATORY REPORT

Accura S	ample ID #	: AB39780	Ac	cura Project #: 16002
Client: OHM Co	rporation-No	rcross		Date Sampled: 3/20/98
Client Contact: R	. HENDERSC	N		Date Received: 3/23/98
Client Project Num	lber: 19668			Date Reported: 3/25/98
Client Project Nam	e: MonFor	d PT		Sample Matrix: SOIL
Client Sample ID:	CL151	301		
ANALYSIS: % Se	olids			Method Ref: EPA 160.3
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result Units: %
Analyte Name			Analytical Rest	Its Reported Detection Limits
Solids			78	0.01
ANALYSIS: Meta	ls - Lead			Method Ref: 3050B/6010B
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/24/98	Result Units: mg/Kg
Analyte Name	·		Analytical Resu	Its Reported Detection Limits
Lead			42	5

Accura Analytical Laboratory, Inc.

Client Sample ID: CL151301

AALSample ID #: AB39780 Accura Project #: 16002

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Accura Sam			Acci	ura Project				
Client: OHM Corpor	ration-Norcr	OSS		Dat	e Sampled: 3/20/98			
Client Contact: R. HE	ENDERSON			Dat	e Received: 3/23/98			
Client Project Number:	19668			Dat	e Reported: 3/25/98			
Client Project Name: MonFord PT			Sample Matrix: SOIL					
Client Sample ID:	CL15130	2						
ANALYSIS: % Solids Date Analyzed: 3.	/25/98	Date Ext/Dig/Prep:	3/25/98	Method Ref: Result Units:				
<u>Analyte Name</u> Solids			Analytical Resul	<u>ts Re</u>	ported Detection Limits 0.01			
ANALYSIS: Metals - 1 Date Analyzed: 3/	<u>Lead</u> /25/98	Date Ext/Dig/Prep:	3/24/98	Method Ref: Result Units:	3050B/6010B mg/Kg			
Analyte Name			Analytical Result		ported Detection Limits			

Lead

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5

43

Client Sample ID: CL151302

AALSample ID #: AB39781 Accura Project #: 16002

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LABORATORY REPORT

	Accura	Sample	ID #:	<b>AB39</b>	782
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#### Accura Project #: 16002

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MonFord PT **Client Sample ID:** CL151303

Date Sampled:	3/20/98
Date Received:	3/23/98
Date Reported:	3/25/98
Sample Matrix:	SOIL

ANALYSIS: % So	lids			Method Ref: EPA 160.3
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result Units: %
Analyte Name			Analytical Result	s Reported Detection Limits
Solids			83	0.01
ANALYSIS: Metal	s - Lead			Method Ref: 3050B/6010B
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/24/98	Result Units: mg/Kg
Analyte Name			Analytical Result	Reported Detection Limits
Lead			350	5

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Client Sample ID: CL151303

AALSample ID #: AB39782 Accura Project #: 16002

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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: % So	lids			Method Ref:	EPA 160.3
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result Units:	%
Analyte Name			Analytical Resul	<u>ts Rep</u>	oorted Detection Limits
Solids			77		0.01
ANALYSIS: Metal	s - Lead			Method Ref:	3050B/6010B
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/24/98	Result Units:	mg/Kg
Analyte Name			Analytical Resul	ts <u>Rep</u>	orted Detection Limits

91

Lead

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Client Sample ID: CL151304

AALSample ID #: AB39783 Accura Project #: 16002

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LABORATORY REPORT

Accura Sample ID #: AB39784

Client: OHM Corporation-Norcross

	-				•	
Client Contact: R	. HENDERSO	N			Date Received: 3/23/98	
Client Project Num	ber: 19668		Date Reported: 3			/25/98
Client Project Name	e: MonFord	1 PT			Sample Matrix: SOIL	
Client Sample ID:	CL151	305				
ANALYSIS: % So	lids	······		Method	d Ref: EPA 160.3	
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result	Units: %	
Analyte Name			<u>Analytical R</u>	<u>esults</u>	Reported Detection Lir	<u>nits</u>
Solids			85		0.01	
ANALYSIS: Meta	ls - Lead			Method	1 Ref: 3050B/6010B	
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/24/98	Result	Units: mg/Kg	
Analyte Name			Analytical R	<u>esults</u>	Reported Detection Lin	<u>nits</u>
Lead			32		5	

Accura Project #: 16002

Date Sampled: 3/20/98

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AALSample ID #: AB39784 Accura Project #: 16002

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LABORATORY REPORT

Accura Sam	ple ID #:	AB39785	Acc	ura Project	#: 16002
Client: OHM Corpo	oration-Norcr	'OSS	Date Sampled: 3/20/98		
Client Contact: R. H	IENDERSON			Date	e Received: 3/23/98
Client Project Number	: 19668	· .	Date Reported: 3/25/98		
Client Project Name:	MonFord P	ΥT	Sample Matrix: SOIL		
Client Sample ID:	CL15130	6			
ANALYSIS: % Solid		Method Ref: EPA 160.3			
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result Units:	%
Analyte Name			Analytical Resul	lts <u>Re</u>	ported Detection Limits
Solids			84		0.01
ANALYSIS: Metals -	Lead			Method Ref:	3050B/6010B
Date Analyzed: 3	3/25/98	Date Ext/Dig/Prep:	3/24/98	Result Units:	mg/Kg
Analyte Name			Analytical Resul	ts <u>Re</u> r	ported Detection Limits
Lead			30		5

Accura Analytical Laboratory, Inc.

Client Sample ID: CL151306

AALSample ID #: AB39785 Accura Project #: 16002

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

LABORATORY REPORT

Accura Sa	ample ID #:	AB39786	Ac	cura Project #: 16002	
Client: OHM Con	poration-Nord	cross	Date Sampled: 3/20/98		
Client Contact: R	. HENDERSON	Ń		Date Received: 3/23/98	
Client Project Num	ber: 19668			Date Reported: 3/25/98	
Client Project Name	e: MonFord	PT		Sample Matrix: SOIL	
Client Sample ID:	CL1513	807			
ANALYSIS: % So	lide			Method Ref: EPA 160.3	
		Dete Det/Die/Drees	2/25/08		
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/23/98	Result Units: %	
Analyte Name			Analytical Res	ults Reported Detection Limits	
Solids ·			84	0.01	
ANALYSIS: Meta	ls - Lead			Method Ref: 3050B/6010B	
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/24/98	Result Units: mg/Kg	
Analyte Name			Analytical Rest	ults Reported Detection Limits	
Lead			150	5	

Accura Analytical Laboratory, Inc.

Client Sample ID: CL151307

ACCURA	ANALYTICAL	LABORATORY,	INC.
ACCORN	<i>manul</i> none	L'UDORGIIORI,	

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LABORATORY REPORT

Accura Sample ID #: AB39787

Client: OHM Cor	poration-Nor	cross		Date Sampled: 3/20/98		
Client Contact: R	. HENDERSO	N	Date Received: 3/23/98			
Client Project Num	ber: 19668	s.		Date Reported: 3/25/98		
Client Project Name	: MonFord	1 PT		Sample Matrix: SOIL		
Client Sample ID:	CL151	308				
<u>ANALYSIS: % So</u>	lids			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: Metal	s - 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		

AALSample ID #: AB39787 Accura Project #: 16002

Accura Project #: 16002

Accura Analytical Laboratory, Inc.

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Àccura	San	iple I	D #:	AB	39788		

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#### 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 Method Ref: EPA 160.3 ANALYSIS: % Solids 3/25/98 Date Ext/Dig/Prep: 3/25/98 Result Units: % Date Analyzed: Analytical Results **Reported Detection Limits** Analyte Name 77 0.01 Solids 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

Accura Project #: 16002

Accura Analytical Laboratory, Inc.

AALSample ID #: AB39788 Accura Project #: 16002

Client Sample ID: CL151309

FL Certification # E87429

Client: OHM Corporation-Norcross

Accura Sample ID #: AB39789

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#### NC Certification # 483 SC Certification # 98015 USACE-MRD Approved LABORATORY REPORT

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Client Contact:	R. HENDERSO	N		Date Received: 3/23/98
Client Project Nun	nber: 19668			Date Reported: 3/25/98
Client Project Nam	e: MonFor	d PT		Sample Matrix: SOIL
Client Sample ID	CL15	1310		
ANALYSIS: <u>% S</u>	olids			Method Ref: EPA 160.3
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result Units: %
Analyte Name			Analytical Re	esults Reported Detection Limits
Solids			82	0.01
ANALYSIS: Meta	als - Lead			Method Ref: 3050B/6010B
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/24/98	Result Units: mg/Kg

D Analyte Name Analytical Results Reported Detection Limits Lead 180 5

Accura Project #: 16002

Date Sampled: 3/20/98

Accura Analytical Laboratory, Inc.

AALSample ID #: AB39789 Accura Project #: 16002

#### Pg 17 of 22

Client: OHM Corporation-Norcross

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

## Accura Sample ID #: AB39790

MonFord PT

CL151311

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name:

**Client Sample ID:** 

#### Accura Project #: 16002

Date Sampled: 3/20/98 Date Received: 3/23/98 Date Reported: 3/25/98 Sample Matrix: SOIL

ANALYSIS: <u>% So</u>	lids			Method Ref:	EPA 160.3
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result Units:	%
Analyte Name			Analytical Resul	<u>ts Re</u>	ported Detection Limits
Solids			81		0.01
ANALYSIS: Metai	s - Lead			Method Ref:	3050B/6010B
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/24/98	Result Units:	mg/Kg
Analyte Name			Analytical Result	<u>s Re</u>	ported Detection Limits
Lead			130		5

Accura Analytical Laboratory, Inc.

Client Sample ID: CL151311

AALSample ID #: AB39790 Accura Project #: 16002

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

#### LADURATURT REPU

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

#### Accura Sample ID #: AB39791

#### Accura Project #: 16002

Date Sampled: 3/20/98

Date Received: 3/23/98

Date Reported: 3/25/98

Reported Detection Limits

0

Sample Matrix: SOIL

Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON Client Project Number: 19668

Client Project Name: MonFord PT

Client Sample ID: CL151312

Method Ref: 1311

Result Units:

Analytical Results

NA

Analyte Name

Date Analyzed:

**TCLP** Extraction

#### ANALYSIS: TCLP Metals - Lead

ANALYSIS: TCLP Extraction Procedure

3/23/98

3/25/98

Date Analyzed:

Analyte Name

Lead (Reg Limit = 5.0)

 Date Ext/Dig/Prep:
 3/24/98
 Result Units:
 mg/L

 Analytical Results
 Reported Detection Limits

 36
 1

Method Ref: 3010A/6010B

Accura Analytical Laboratory, Inc.

C. <RDL = Less than Reported Detection Limit</p>

AALSample ID #: AB39791 Accura Project #: 16002

#### Timit

#### Pg 19 of 22

# Client Project Number:19668Client Project Name:MonFord PTClient Sample ID:CL151313

Accura Sample ID #: AB39792

Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

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## LABORATORY REPORT

#### Accura Project #: 16002

Date Sampled: 3/20/98 Date Received: 3/23/98 Date Reported: 3/25/98 Sample Matrix: SOIL

ANALYSIS: TCL	P Extraction I	rocedure		Method Ref	: 1311
Date Analyzed:	3/23/98	Date Ext/Dig/Prep:	3/23/98	Result Units	:
Analyte Name			Analytical Resu	<u>ilts R</u>	eported Detection Limits
TCLP Extraction			NA		0
ANALYSIS: TCL	<u> P Metals - Lea</u>	<u>d</u>		Method Ref:	3010A/6010B
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/24/98	Result Units	: mg/L
Analyte Name			Analytical Resu	lts Ro	eported Detection Limits
Lead (Reg Limit = :	5.0)		4.3	•	1

Accura Analytical Laboratory, Inc.

Client Sample ID: CL151313

AALSample ID #: AB39792 Accura Project #: 16002

FL Certification # E87429	NC Certification # 483	SC Certification # 98015	USACE-MRD Approved
	LABORATO	RY REPORT	
Accura Sample ID	#: AB39793	Accura H	Project #: 16002
Client: OHM Corporation-N	orcross		Date Sampled: 3/20/98
Client Contact: R. HENDERS	SON		Date Received: 3/23/98
Client Project Number: 19668	•		Date Reported: 3/25/98
Client Project Name: MonFo	ord PT		Sample Matrix: SOIL
Client Sample ID: CL1	51314		
, <u>ANALYSIS:</u> % Solids Date Analyzed: 3/25/98	Date Ext/Dig/Prep:		nod Ref: EPA 160.3 Ilt Units: %
Analyte Name	2 2 2	Analytical Results	Reported Detection Limits
Solids		83	0.01
ANALYSIS: Metals - Lead		Meth	nod Ref: 3050B/6010B
Date Analyzed: 3/25/98	Date Ext/Dig/Prep:	3/24/98 Resu	lt Units: mg/Kg
Analyte Name		Analytical Results	Reported Detection Limits
Lead		290	5
		,	

Accura Analytical Laboratory, Inc.

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ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: CL151314

AALSample ID #: AB39793 Accura Project #: 16002

Accura Sa	mple ID #:	AB39794	Accura Project #: 16002			
Client: OHM Cor	ross		Dat	e Sampled: 3/19/98		
Client Contact: R.	HENDERSON	1		Dat	e Received: 3/23/98	
Client Project Numb	ber: 19668	,		Dat	e Reported: 3/25/98	
Client Project Name	: MonFord	PT		San	ple Matrix: SOIL	
Client Sample ID:	METHO	DD BLANK				
ANALYSIS: Metal	s - Lead			Method Ref:	3050B/6010B	
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/24/98	Result Units:	mg/Kg	
Analyte Name			Analytical Resul	its <u>Re</u>	ported Detection Limits	
Lead			<rdl< td=""><td></td><td>5</td></rdl<>		5	
ANALYSIS: TCLF	<u>PExtraction Pr</u>	rocedure		Method Ref:	1311	
Date Analyzed:	3/23/98	Date Ext/Dig/Prep:	3/23/98	Result Units:		
Analyte Name			Analytical Resul	<u>ts Re</u>	ported Detection Limits	
TCLP Extraction			NA		0	
ANALYSIS: TCLP	Metals - Lead	L		Method Ref:	3010A/6010B	
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/24/98	Result Units:	mg/L	
Analyte Name			Analytical Resul	ts <u>Rc</u>	ported Detection Limits	
Lead (Reg Limit = $5$	.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1	

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LABORATORY REPORT

SC Certification # 98015

NC Certification # 483

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<RDL = Less than Reported Detection Limit

Pg 21 of 22

Client Sample ID: METHOD BLANK

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

LABORATORY REPORT

#### Accura Sample ID #: AB39795

3/25/98

#### Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MonFord PT

**Client Sample ID: METHOD BLANK** 

#### ANALYSIS: Metals - Lead

Date Analyzed:

Analyte Name

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

Result Units: mg/L

Accura Project #: 16002

Analytical Results <RDL

0.05

Reported Detection Limits

Date Sampled: 3/20/98

Date Received: 3/23/98

Date Reported: 3/25/98

Sample Matrix: WATER

Lead

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#### ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: METHOD BLANK

AALSample ID #: AB39795 Accura Project #: 16002

Method Ref: 3010A/6010B

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	emediation S Corp OHM Corporation 4 East * Findlay, Ohio 45840 * (4		CUSTODY RECORD	LABORATORY COPY 206598 FORM 0019 REV. 2-97
OHM's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Elena Rodriguez	770-734-8060	770-453-7716	Accura Andital David Ful	
Mon Forl Point	Camp Lejeune	PROJECT NUMBER	LABORATORY PHONE 770-449-8800	Elena Kodriguez
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUMBER 910-451-2390	project fax 910-451-1809	6017 Financial Ari	
PROJECT ADDRESS Lot 203 Holcomb Bl			Norcross GA 300	
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S 2770-734-8072	PROJECT MANAGER'S FAX 770-453-7743	Mullies Plank	AM PROS# 16030
E Sample Identifier	Matrix Date 1	me preserved to Cont Clevel	Price Public P	Comments
1 CL151315 1 Rolloff # 13	So:1 3600 1630	4°C 1 NECSA 48h,	RX III	Please fax results to SITE & to Elena Rodriguez ABH 064 7
2 CL15136FA	Wuter 12 1/9 50	HNO3 1 NEESA )		AB 40048
(115)317		I USE A		BB 40049
3 Complul 12,41,73 4 CL [51 318 4 Complu JI 12,41,73	01.14.1040	ricest		pg 40050
5 JCL 51 319	11218 3/2/98 1030	VECS4		M340051
6 ( 040 B 005 9 10 11	12.18 72/48 1030	NEESO		AB40052
7 6141321	1/23/48/1100	I IFESA		W15 4005 3
8 CUSI322 8 KOUOFF #15	12998 1110	IJEFL		RB 40054
64151.323		NECSA		RB 40055
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SAMPLES COLLECTED BY	11 Henler P courier and air	BILL NUMBER. 8038091195	49-801960759720	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED B		RECEIVED BY DATE		SAMPLE S CONDITION UPON RECEIPT
FedEx	- Fight	wy Whole 3/2519	80945	
1 1 mm				
d D	istribution: White - Laboratory	(To be returned with Analytical	Report); Goldenrod - Project File; Yello	ow - Project Data Manager

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)						· · · · · · · · · · · · · · · · · · ·		)				
	OHM Cornorati		//10) /22 34		HAIN	-OF-C	CUST	ODY	REG	COR	D	LABORATORY COPY 206589
LAB COORDINATOR	A East Findle			NNATOR'S FA			LABORATO	RY SERVICE I		BORATORY	CONTACT	FORM 0019 REV 2:97 MAIL REPORT (COMPANY NAME)
lena Rodriguez	770-734-			53-77			Accu	An	et. the	na	rid Ful	/e_ OHM Remediation Services
LECT NAME: NONA ford Point	PROJECT LOCATIO Camp Le		_ <u>_</u>	PROJE	CT NUMBER		LABORATO		LA	BORATORY		RECIMENT NAME Elena Rodriguez
ect contact ussell Henderson	PROJECT PHONE N 910-451	UMBER	PROJECT FA				LABORAT	DRY ADDRESS	;	c. al	0,	ADDRESS 5445 Triangle Pkwy, Ste 400
ECT ADDRESS ot 203 Holcomb B1	CITY, STATE AND		CLIENT C LAN	TDIV			CITY, STA	TE AND ZIPCO	DE			CITY STATE AND ZIPCODE Norcross, GA 30092
ECT MANAGER im Dunn	PROJECT MANAGE PHONE 770-734-	8072	PROJECT M.	IANAGER'S F 453–77	43		Analy	. /	Ple		7//	AM Thos# 16030
Sample Identifier	r   -	ABILITY Date	TIME Pre-	erved to	Cont OC	Level T	×.	Y'LV	$\square$			Comments
CL151324 Ralloff # 16	501	3/21/98 7:30		1	NEESA E	48/						Please fax results to SITE & to Elena Rodriguez #PHO056
CL 151325 Lolloff # 17	Soi	1 7:24/58 7:2	5		E							Ar340057
CL 151 326 Lolloff #18	501	1 1/24/08 7:1	5		E	<u>   </u>		$\langle  $			┟╌╎╌┼	AB 40058
CL 151327 Rolloff # 19	50,	1 3/21/48 7:4			E			<u> </u>				MB 40059
(L)51328 44,34,24 com	p W+11 50.	1 3/2/198 811	,	 	L	<u>   </u>	X	_				MB 40060
30, 43, 53, 64, 60	me Wall SO.	1 3/2/100 82	0	┃	C	+-+	X					M3400101
	omp Wall Son	1 124487:5		<b>├</b> - <b>├</b>	C		X		$\left  \right $			MB 400002
62.30,43,5364	Floor So	1 3/2/19 85	2		C	┼┼	X		┼╌┥			prz 40062
29,32,3) 34,44	p So.	1 3/24/98 q:0	0 V		1c_	++-	K)		$\left\{ - \right\}$			MB 40064
Field Blank MPLES COLLECTED BY E. K.		12 1/24/08 9:32 COURIER AND A	1 HAD'S		C	N 120	КI					COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED B	75.0/		RECEIVED BY	<u>pv I 1</u>		DATE	TIME				SAN	APLE'S CONDITION UPON RECEIPT
Fed Ex		P-u-E, Porteu		ų		3/27/98 3/25798						
	interior N	/hite Laborator	w (To be re	eturned	with An	alytical R	eport):	Golden	rod - P	roject I	Sile: Vellow	/ - Project Data Manager

6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

## CASE NARRATIVE for Project Number: <u>16030</u> Client Project: Monford Point / 19668

The following item was noted concerning this project:

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

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Quality Assurance

Client Services Representative

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

LABORATORY REPORT

Accura S	ample ID #:	AB40047	Accura Project #: 16030				
Client: OHM Co	rporation-Nor	cross		Dat	e Sampled: 3/20/98		
Client Contact: R	. HENDERSO	N		Dat	e Received: 3/25/98		
Client Project Num	ber: 19668			Date	e Reported: 3/27/98		
Client Project Nam	e: MONFO	RD POINT,		Sam	ple Matrix: SOIL		
Client Sample ID:	CL 151	315					
ANALYSIS: TCL	<u>P Extraction I</u>	Procedure		Method Ref:	1311		
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result Units:			
Analyte Name			Analytical Result	<u>ts Re</u>	ported Detection Limits		
TCLP Extraction			NA		0		
ANALYSIS: TCL	<u> P Metals - Lea</u>	d		Method Ref:	3010A/6010B		
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/26/98	Result Units:	mg/L		
<u>Analyte Name</u>			Analytical Result	<u>s Re</u>	ported Detection Limits		
Lead (Reg Limit = 5.0)			6.5		1		
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Client Sample ID: CL 151315

AALSample ID #: AB40047 Accura Project #: 16030

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LABORATORY REPORT

#### Accura Sample ID #: AB40048

3/26/98

MONFORD POINT CL 151316 FB

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#### Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

#### Accura Project #: 16030

Date Sampled: 3/20/98 Date Received: 3/25/98 Date Reported: 3/27/98 Sample Matrix: WATER

#### ANALYSIS: Metals - Lead

Date Analyzed:

Client Project Name:

**Client Sample ID:** 

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

Method Ref: 3010A/6010B Result Units: mg/L

Analytical Results

<RDL

Reported Detection Limits

0.05

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#### .

Analyte Name

Lead

#### ACCURA ANALYTICAL LABORATORY, INC.

<RDL = Less than Reported Detection Limit

Client Sample ID: CL 151316 FB

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LABORATORY REPORT

#### Accura Sample ID #: AB40049

#### Accura Project #: 16030

**Client: OHM Corporation-Norcross** Client Contact: R. HENDERSON Client Project Number: 19668

Client Project Name: MONFORD POINT

**Client Sample ID:** CL 151317

#### ANALYSIS: % Solids Method Ref: EPA 160.3 3/27/98 Date Ext/Dig/Prep: 3/26/98 Date Analyzed: Result Units: % Analyte Name Analytical Results **Reported** Detection Limits 85 0.01

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

#### ANALYSIS: Metals - Lead

Date Analyzed: 3/26/98

Analyte Name

Lead

Solids

Method Ref: 3050B/6010B

mg/Kg

Result Units:

Analytical Results

85

**Reported Detection Limits** 

Date Sampled: 3/23/98

Date Received: 3/25/98

Date Reported: 3/27/98

Sample Matrix: SOIL

5

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Client Sample ID: CL 151317

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LABORATORY REPORT

## Accura Sample ID #: AB40050

#### Accura Project #: 16030

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MONFORD POINT Client Sample ID: CL 151318

## Date Sampled: 3/23/98 Date Received: 3/25/98 Date Reported: 3/27/98 Sample Matrix: SOIL

ANALYSIS: <u>% S</u>	olids			Method Ref:	EPA 160.3
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/26/98	Result Units	: %
Analyte Name			Analytical Re	esults <u>R</u>	eported Detection Limits
Solids			85		0.01
ANALYSIS: Met	als - Lead			Method Ref:	3050B/6010B
Date Analyzed:	3/26/98	Date Ext/Dig/Prep:	3/26/98	Result Units:	mg/Kg

Analyte Name

Lead

#### Analytical Results

110

Reported Detection Limits

5

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Client Sample ID: CL 151318

AALSample ID #: AB40050 Accura Project #: 16030

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LABORATORY REPORT

#### Accura Sample ID #: AB40051

#### Accura Project #: 16030

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MONFORD POINT **Client Sample ID:** CL 151319

Date Sampled: 3/23/98 Date Received: 3/25/98 Date Reported: 3/27/98 Sample Matrix: SOIL

ANALYSIS: % Solids

3/27/98 Date Analyzed:

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

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

Method Ref: EPA 160.3 Result Units: %

Method Ref: 3050B/6010B

Analyte Name

Solids

#### ANALYSIS: Metals - Lead

3/26/98

Date Analyzed:

Analyte Name

Lead

## Analytical Results

Reported Detection Limits

5

mg/Kg

Reported Detection Limits

0.01

660

Analytical Results

86

Result Units:

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Client Sample ID: CL 151319

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

LABORATORY REPORT

#### 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: % Analytical Results Reported Detection Limits Analyte Name 89 0.01 Solids Method Ref: 3050B/6010B ANALYSIS: Metals - Lead Date Analyzed: 3/26/98 Date Ext/Dig/Prep: 3/26/98 Result Units: mg/Kg **Reported Detection Limits** Analyte Name Analytical Results

350

Lead

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Client Sample ID: CL 151320

AALSample ID #: AB40052 Accura Project #: 16030

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

LABORATORY REPORT

Accura Sample ID #: AB40053 Client: OHM Corporation-Norcross			Accura Project #: 16030			
			Date Sampled: 3/2			
Client Contact: R. HENDERSON				Date Received: 3/25/98		
Client Project Num	ber: 19668			Date Reported: 3/27/98		
Client Project Nam	e: MONFO	RD POINT	Sample Matrix: SOIL			
Client Sample ID:	CL 15	1321				
- part to an						
ANALYSIS: TCLP Extraction Procedure			Method Ref: 1311			
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result Units:		
Analyte Name			Analytical Resul	lts Reported Detection Limit		
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 Resul	Its Reported Detection Limit		
Lead (Reg Limit = 5	5.0)		2.5	1		

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Client Sample ID: CL 151321

AALSample ID #: AB40053 Accura Project #: 16030

Client Sample ID: CL 151322

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AALSample ID #: AB40054 Accura Project #: 16030

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LABORATORY REPORT

#### Accura Sample ID #: AB40054

#### Accura Project #: 16030

Date Sampled: 3/23/98 Date Received: 3/25/98 Date Reported: 3/27/98 Sample Matrix: SOIL

**Client Sample ID:** CL 151322

ANALYSIS: TCL	Procedure	Method Ref: 1311			
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result Uni	its:
Analyte Name			Analytical Re	sults	Reported Detection Limits
TCLP Extraction			NA		0
· · · · · · · · · · · · · · · · · · ·					
ANALYSIS: TCL	P Metals - Lea	<u>Id</u>		Method Re	ef: 3010A/6010B
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/26/98	Result Uni	ts: mg/L
Analyte Name			Analytical Re	sults	Reported Detection Limits
Lead (Reg Limit = $5.0$ )			3.5		1

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Client: OHM Corporation-Norcross Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD POINT

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

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 Numb	er: 19668		Date Reported: 3/27/98			
Client Project Name:	MONFOR	D POINT	Sample Matrix: SOIL			
Client Sample ID:	CL 1513	23				
ANALYSIS: % Sol	ids			Method Ref:	EPA 160.3	
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/26/98	Result Units:	%	
Analyte Name			Analytical Resul	ts <u>Re</u>	ported Detection Limits	
Solids			91		0.01	
ANALYSIS: Metals	s - Lead			Method Ref:	3050B/6010B	
Date Analyzed:	3/26/98	Date Ext/Dig/Prep:	3/26/98	Result Units:	mg/Kg	
Analyte Name			Analytical Resul	ts <u>Re</u>	ported Detection Limits	
Lead			14		5	
				_		

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Client Sample ID: CL 151323

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LABORATORY REPORT

#### Accura Sample ID #: AB40056

**Client: OHM Corporation-Norcross** 

Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MONFORD POINT

**Client Sample ID:** CL 151324 Accura Project #: 16030

Date Sampled: 3/24/98 Date Received: 3/25/98 Date Reported: 3/27/98 Sample Matrix: SOIL

ANALYSIS: TCLP Extraction Procedure Date Analyzed: 3/25/98

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

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

Method Ref: 1311

Method Ref: 3010A/6010B

Result Units:

Analyte Name

**TCLP** Extraction

#### ANALYSIS: TCLP Metals - Lead

Date Analyzed: 3/27/98

Analyte Name

Lead (Reg Limit = 5.0)

Result Units: mg/L

Analytical Results

**Reported Detection Limits** 1

**Reported Detection Limits** 

0

4.3

Analytical Results

NA

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Pg 10 of 21

Client Sample ID: CL 151324

AALSample ID #: AB40056 Accura Project #: 16030

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

LABORATORY REPORT

#### Accura Sample ID #: AB40057

#### Accura Project #: 16030

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON Client Project Number: 19668

**Client Project Name:** MONFORD POINT

**Client Sample ID:** CL 151325

## Date Sampled: 3/24/98 Date Received: 3/25/98 Date Reported: 3/27/98 Sample Matrix: SOIL

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 Ext/Dig/Prep: 3/26/98 Date Analyzed: 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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Client Sample ID: CL 151325

AALSample ID #: AB40057 Accura Project #: 16030

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

LABORATORY REPORT

#### Accura Sample ID #: AB40058

#### Accura Project #: 16030

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MONFORD POINT Client Sample ID: CL 151326

## Date Sampled: 3/24/98 Date Received: 3/25/98 Date Reported: 3/27/98 Sample Matrix: SOIL

Method Ref: 1311 ANALYSIS: TCLP Extraction Procedure Date Analyzed: 3/25/98 Date Ext/Dig/Prep: 3/25/98 Result Units: Analytical Results Analyte Name Reported Detection Limits **TCLP** Extraction NA 0 Method Ref: 3010A/6010B ANALYSIS: TCLP Metals - Lead Date Analyzed: 3/27/98 Date Ext/Dig/Prep: 3/26/98 Result Units: mg/L Analytical Results Reported Detection Limits Analyte Name Lead (Reg Limit = 5.0) 4.7 Į

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#### ACCURA ANALYTICAL LABORATORY, INC.

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Client Sample ID: CL 151326

AALSample ID #: AB40058 Accura Project #: 16030

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

LABORATORY REPORT

Accura Sample ID #: AB40059			Accura Project #: 16030			
Client: OHM Corporation-Norcross				Da	te Sampled: 3/24/98	
Client Contact: R. HENDERSON			Date Received: 3/25/98			
Client Project Num	ber: 19668			Dat	te Reported: 3/27/98	
Client Project Nam	e: MONFO	RD POINT	Sample Matrix: SOIL			
Client Sample ID:	CL 15	1327				
ANALYSIS: TCL	P Extraction 1	Procedure		Method Ref:	1311	
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result Units:	:	
Analyte Name			Analytical Resu	<u>lts Re</u>	eported Detection Limits	
TCLP Extraction			NA		0	
ANALYSIS: TCL	<u> P Metals - Lea</u>	<u>d</u>		Method Ref:	3010A/6010B	
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/26/98	Result Units:	mg/L	
Analyte Name			Analytical Resul	lts <u>R</u> e	ported Detection Limits	
Lead (Reg Limit = 5	5.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1	

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Accura Analytical Laboratory, Inc.

Client Sample ID: CL 151327

AALSample ID #: AB40059 Accura Project #: 16030

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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 Num	ber: 19668		Date Reported: 3/27/98			
Client Project Nam	e: MONFOI	RD POINT	Sample Matrix: SOIL			
Client Sample ID:	CL 151	328				
ANALYSIS: % Se	olids	·		Method Ref:	EPA 160.3	
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/26/98	Result Units:	%	
Analyte Name			Analytical Re	sults Re	ported Detection Limits	
Solids			88		0.01	
ANALYSIS: Meta	lls - Lead			Method Ref:	3050B/6010B	
Date Analyzed:	3/26/98	Date Ext/Dig/Prep:	3/26/98	Result Units:	mg/Kg	
Analyte Name			Analytical Res	sults <u>Re</u>	ported Detection Limits	
Lead			57		5	
				A1 -		

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Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: CL 151328

AALSample ID #: AB40060 Accura Project #: 16030

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

### LABORATORY REPORT

Accura Sample ID #: AB40061	Accura Pr	oject #: 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	Metho	d 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

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

### ANALYSIS: Metals - Lead

Date Analyzed: 3/26/98

Analyte Name

Lead

.

Analytical Results

8.4

Result Units:

5

Reported Detection Limits

Method Ref: 3050B/6010B

Accura Analytical Laboratory, Inc.

mg/Kg

ACCURA ANALYTICAL LABORATORY, INC.

-

Client Sample ID: CL 151329

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

**LABORATORY REPORT** 

ie ID #: AB40062	Accura Project #: 16030
tion-Norcross	Date Sampled: 3/24/98
NDERSON	Date Received: 3/25/98
19668	Date Reported: 3/27/98
MONFORD POINT	Sample Matrix: SOIL
CL 151330	
	Ition-Norcross NDERSON 19668 MONFORD POINT CL 151330

....

ANALYSIS: % S	olids			Method R	ef: EPA 160.3
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/26/98	Result Uni	its: %
Analyte Name			Analytical Re	sults	Reported Detection Limits
Solids			85		0.01
ANALYSIS: Meta	lls - Lead			Method Re	f: 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

Accura Analytical Laboratory, Inc.

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

LABORATORY REPORT

Accura Samp	ole ID #:	AB40063	Accura Project #: 16030			
Client: OHM Corpor	ation-Norcr	-055			Date Sampled: 3/24/98	
Client Contact: R. HE	NDERSON				Date Received: 3/25/98	
Client Project Number:	19668	•			Date Reported: 3/27/98	
Client Project Name:	MONFORI	D POINT	Sample Matrix: SOIL			
Client Sample ID:	CL 1513	31				
ANAT VOIC. 9/ Calida						
ANALYSIS: % Solids	· · · · · · · · · · · · · · · · · · ·	<del></del>		Method F	Ref: EPA 160.3	
Date Analyzed: 3/	27/98	Date Ext/Dig/Prep:	3/26/98	Result Ur	nits: %	
Analyte Name			Analytical Res	ults	Reported Detection Limits	

Solids

### ANALYSIS: Metals - Lead

Date Analyzed:

Analyte Name

Lead

### Result Units: mg/Kg

Method Ref: 3050B/6010B

Analytical Results <RDL

88

**Reported Detection Limits** 

0.01

5

Accura Analytical Laboratory, Inc.

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

ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: CL 151331

AALSample ID #: AB40063 Accura Project #: 16030

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

### LABORATORY REPORT

Accura S	Sample ID #	Accura Project #: 16030	
Client: OHM Co	orporation-No	rcross	Date Sampled: 3/24/98
Client Contact:	R. HENDERSO	N	Date Received: 3/25/98
Client Project Nur	nber: 19668		Date Reported: 3/27/98
Client Project Nan	ne: MONFO	Sample Matrix: SOIL	
Client Sample ID	: CL 15	1332	
ANALYSIS: % S	olids		Method Ref: EPA 160.3
Date Analyzed:	3/27/98	Date Ext/Dig/Prep: 3	3/26/98 Result Units: %

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

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

Result Units: %

Analyte Name

Solids

### ANALYSIS: Metals - Lead

3/26/98

-

Date Analyzed:

Analyte Name

Lead

Method Ref: 3050B/6010B

Result Units: mg/Kg

Analytical Results 430

Analytical Results

87

Reported Detection Limits

Reported Detection Limits

0.01

5

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

Pg 18 of 21

Client Sample ID: CL 151332

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

LABORATORY REPORT

### Accura Sample ID #: AB40065

3/26/98

7

# Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD POINT

Client Sample ID: CL 151333 FB

### ANALYSIS: Metals - Lead

Date Analyzed:

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

5,25,76

Result Units: mg/L

Method Ref: 3010A/6010B

Accura Project #: 16030

Analytical Results

<RDL

Reported Detection Limits

0.05

Date Sampled: 3/24/98

Date Received: 3/25/98

Date Reported: 3/27/98

Sample Matrix: WATER

Accura Analytical Laboratory, Inc.

### .

### ACCURA ANALYTICAL LABORATORY, INC.

Pg 19 of 21

Client Sample ID: CL 151333 FB

AALSample ID #: AB40065 Accura Project #: 16030

.

Analyte Name

Lead

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

LABORATORY REPORT

Accura S	Sample ID #	: AB40066	Accura Project #: 16030 Date Sampled: 3/24/98					
Client: OHM Co	prporation-No	rcross						
Client Contact: I	R. HENDERSC	)N		Da	te Received: 3/25/98			
Client Project Nun	nber: 19668			Da	te Reported: 3/27/98			
Client Project Nam	ne: MONFC	DRD POINT		Sar	nple Matrix: SOIL			
Client Sample ID:	METH	IOD BLANK						
ANALYSIS: Met	als - Lead			Method Ref	3050B/6010B			
Date Analyzed:	3/26/98	Date Ext/Dig/Prep:	3/26/98	Result Units	: mg/Kg			
Analyte Name			Analytical Res	sults <u>R</u>	eported Detection Limits			
Lead			<rdl< td=""><td></td><td>5</td></rdl<>		5			
ANALYSIS: TCL	P Extraction I	Procedure		Method Ref:	1311			
Date Analyzed:	3/25/98	Date Ext/Dig/Prep:	3/25/98	Result Units:				
Analyte Name			Analytical Res	ults Re	eported Detection Limits			

TCLP Extraction

### ANALYSIS: TCLP Metals - Lead

Date Analyzed: 3/27/98

Lead (Reg Limit = 5.0)

Analyte Name

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

-

3/26/98

NA

Method Ref: 3010A/6010B Result Units: mg/L

Analytical Results

Reported Detection Limits

0

<RDL

Accura Analytical Laboratory, Inc.

Client Sample ID: METHOD BLANK

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

LABORATORY REPORT

## Accura Sample ID #: AB40067

### **Client: OHM Corporation-Norcross**

Client Contact: R. HENDERSON

METHOD BLANK **Client Sample ID:** 

### ANALYSIS: Metals - Lead

Date Analyzed: 3/26/98 Date Ext/Dig/Prep: 3/25/98

**Result Units:** mg/L

Method Ref: 3010A/6010B

Accura Project #: 16030

Analytical Results

**Reported Detection Limits** 

Date Sampled: 3/24/98

Date Received: 3/25/98

Date Reported: 3/27/98

Sample Matrix: WATER

<RDL

0.05

Accura Analytical Laboratory, Inc.

Client Project Number: 19668

Client Project Name: MONFORD POINT

Analyte Name

Lead

# ACCURA ANALYTICAL LABORATORY, INC.

.....

<RDL = Less than Reported Detection Limit

Pg 21 of 21

Client Sample ID: METHOD BLANK

AALSample ID #: AB40067 Accura Project #: 16030

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OHM'S LAB COORDINATOR	LAB COORDINA					DINATOR'S I				ORY SERVICE		ORATORY			MAIL REPORT (COMPANY NAME)
Elena Rodriguez	770-734			l	770-4					ura		_		i Fu	
Monford Point	PROJECT LOCA Camp L	ejeun	e			19	ICC NUM		770-	ORY PHONE 449-68	DO LAB	ORATORY	FAX		Elena Rodriguez
Russell Henderson	ркојест рион 910-45		0		PROJECT F		309	-	LABORA	17 F	ina	nci	al	Dr.	ADDRESS 5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb Bly	CITY, STATE A			NC	CLIENT T A N	TDIV				ATE AND ZIPC	ODE	<b>^</b> .		071	CITY, STATE AND ZIPCODE
PROJECT MANAGER	PROJECT MAN	AGER'S		., NC		ANAGER'S	FAX		110	rcro	55.1	EH.	20	ודעו	Norcross, GA 30092
Jim Dunn	770-734	-8072		• 1	770-4	153-77	743			15 ^{ES}	No	//			PARCEROS
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1 Eicld Aldruk	2   W	ater 2	240	090	HNO;		5	41hr	X						Please fax results to SITE & to Elena Rodriguez
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3 CLISI 336 3 ml (pm) 19,26,32		1		1100	1		1		X			1			AB40173
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· CL151338		╉─┼╴	╁┈┼	1235		┟╌╂─	┿╋		$\mathbf{X}$				+		A1340175
6 (LIST334			$\uparrow$	1250	╎┟		┼╂		X				$\uparrow \uparrow \uparrow$		A7340176
° wal cond 17,2 7 CL151340 7 CL151340		╋┈┼╴	$\left\{ - \right\}$	1300		┝╌╂╴	┼┼		R				+		AB40177
8 (1151341 8 (1151341		+	+	1130	┼╂╼╼╸	$\uparrow \uparrow$	++		X		$\left  \right $		+	 	Ar3 40178
° Floor Corp 14,15, 9 CL151342		+	╂╌┤	1150	$\frac{1}{1}$	┼┼╴	++		Ŕ		$\left  \right $		<b></b>		AB 40179
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D	istribution:	White -	- Labo	oratory (	To be r	eturned	with A	Analytical	Report);	Golden	rod - Pro	oject F	ile; Y	ellow -	Project Data Manager

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Subsidiary of	<b>15 COLP</b> OHM Corporation 4 East • Findlay, (	041. 459.40 <b>9</b> 4						206585
OHM'S LAB COORDINATOR	LAB COORDINATOR'S P		LAB COORDINATO	R'S FAY	LABORATORY	SEBVICE IN	LABORATORY CONTACT	FORM OULY REV 2.97
Elena Rodriguez	770-734-806		770-453-		Accurat		David Fuller	MAIL REFORT (COMPANY NAME) OHM Remediation Services
Montorl Point	PROJECT LOCATION Camp Lejei	ine		PROJECT NUMBER	LABORATORY 770-444	PHONE QO	LABORATORY FAX	Elena Rodriguez
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUMBE 910-451-23		PROJECT FAX 910-451-	1809	LABORATORY	ADDRESS	ancial Drive	ADDRESS 5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb Bly	city, state and zipco vd. Camp Le		CLIENT LANTDI	v	No-C	ND ZIPCODE	A 30071	CITY, STATE AND ZIPCODE NOTCTOSS, GA 30092
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S		PROJECT MANAGE		•			
	I	+ / /	the preserved	* of Cont CLEVE	Analyse	26		PRHCH0071
Sample Identifier	Mari	Dale T	the preser	* 0 0	IN V	$\square$		Comments
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2 COMP All Floor CLIST 346			┼╍╊╍┼╸╂			╋╼╼┠╼╍		AP3
3 Poll off # 20		1310	┶┼╌┼			<u> </u>		AV340183
4 Roy eFF # 2-1		1315						AP3210184
5 CLISI 348 ROUGEF HOL		↓ 1325			X			AB YOIKS
6					1			
7						<u> </u>		
8								
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10				10/0350				
SAMPLES COLLECTED BY	H El Kolgerr		RECEIVED BY	1960759	DATE TIME			ALER TEMPERATURE UPON RECEIPT 41C
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Feats		Ponta	MILA	de sp	6/95 0930	Gov	<u></u>	
D	istribution: Whit	e - Laboratory	(To be return	ed with Analyti	ical Report); G	oldenrod -	Project File; Yellow - Pr	roject Data Manager

6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

18

# CASE NARRATIVE for Project Number: <u>16041</u> Client Project: Monford Point / 19668

The following item was noted concerning this project:

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

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Quality Assurance

Client Services Representative

-

# AALSample ID #: AB40171 Accura Project #: 16041

Pg 1 of 17

# 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

# Accura Sample ID #: AB40171

Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name:

**Client Sample ID:** CL 151334FB

## ANALYSIS: Metals - Lead

Date Analyzed:

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

Analytical Results

<RDL

Reported Detection Limits

0.05

Result Units:

Method Ref: 3010A/6010B

mg/L

Accura Analytical Laboratory, Inc.

Accura Project #: 16041

Date Sampled: 3/25/98 Date Received: 3/26/98 Date Reported: 3/27/98 Sample Matrix: WATER

LABORATORY REPORT

ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: CL 151334FB

MONFORD POINT

3/27/98

Analyte Name

Lead

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LABORATORY REPORT

# Accura Sample ID #: AB40172

# Accura Project #: 16041

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MONFORD POINT CL 151335 Client Sample ID:

Date Sampled: 3/25/98 Date Received: 3/26/98 Date Reported: 3/27/98 Sample Matrix: SOIL

ANALYSIS: % S	olids			Method R	ef: EPA 160.3
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/27/98	Result Uni	its: %
Analyte Name			Analytical R	<u>esults</u>	Reported Detection Limits
Solids			93		0.01
ANALYSIS: Met	als - Lead			Method Re	ef: 3050B/6010B
Date Analyzed:	3/27/98	Date Ext/Dig/Pren	3/26/98	Result Uni	its: mo/Ko

ite Analyz Reported Detection Limits Analytical Results Analyte Name <RDL Lead

5

AALSample ID #: AB40172 Accura Project #: 16041

Accura Analytical Laboratory, Inc.

Pg 2 of 17

# <RDL = Less than Reported Detection Limit

# ACCURA ANALYTICAL LABORATORY, INC.

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LABORATORY REPORT

Accura	Sam	ple	ID #:	AB4	0173
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MONFORD POINT

CL 151336

**Client: OHM Corporation-Norcross** 

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name:

**Client Sample ID:** 

## Accura Project #: 16041

Date Sampled: 3/25/98 Date Received: 3/26/98 Date Reported: 3/27/98 Sample Matrix: SOIL

ANALYSIS: % Solids Method Ref: EPA 160.3 3/27/98 Date Analyzed: 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 Ext/Dig/Prep: 3/26/98

3/27/98

.....

Date Analyzed:

Analyte Name

Lead

Result Units: mg/Kg

Analytical Results 19

Reported Detection Limits 5

Accura Analytical Laboratory, Inc.

### Pg 4 of 17

### 6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477 NC Certification # 483 SC Certification # 98015

### LABORATORY REPORT

ACCURA ANALYTICAL LABORATORY, INC.

### Accura Sample ID #: AB40174

MONFORD POINT

CL 151337

FL Certification # E87429

Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name:

**Client Sample ID:** 

# Accura Project #: 16041

Date Sampled: 3/25/98 Date Received: 3/26/98 Date Reported: 3/27/98 Sample Matrix: SOIL

USACE-MRD Approved

ANALYSIS: % S	olids			Method Ref: EPA 160.3
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/27/98	Result Units: %
Analyte Name			Analytical Re	esults Reported Detection Limits
Solids			93	0.01
ANALYSIS: Met	als - Lead			Method Ref: 3050B/6010B
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/26/98	Result Units: mg/Kg
Analyte Name			Analytical Re	sults Reported Detection Limits
Lead			70	5

Lead

Accura Analytical Laboratory, Inc.

Client Sample ID: CL 151337

AALSample ID #: AB40174 Accura Project #: 16041

Client Sample ID: CL 151338

<RDL = Less than Reported Detection Limit

# 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 #: AB40175

### Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON Client Project Number: 19668

Client Project Name: MONFORD POINT

**Client Sample ID:** CL 151338

# Accura Project #: 16041

Date Sampled: 3/25/98 Date Received: 3/26/98 Date Reported: 3/27/98 Sample Matrix: SOIL

Reported Detection Limits

0.01

**Reported Detection Limits** 

5

ANALYSIS:	<u>% Solids</u>

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

Analytical Results

88

Analytical Results

91

3/26/98

Method Ref: EPA 160.3

Method Ref: 3050B/6010B

mg/Kg

<b>Result Units</b>	: %
---------------------	-----

Analyte Name

.......

Solids

ANALYSIS: Metals - Lead

3/27/98

Date Analyzed:

Date Ext/Dig/Prep:

Analyte Name

Lead

Result Units:

Accura Analytical Laboratory, Inc.

Pg 5 of 17


# <RDL = Less than Reported Detection Limit

CL 15	1339		
lids			Method R
3/27/98	Date Ext/Dig/Prep:	3/27/98	Result Un
		Analytical R	esults

# 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 #: AB40176

MONFORD POINT

Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name:

**Client Sample ID:** -----

# Accura Project #: 16041

Date Sampled: 3/25/98 Date Received: 3/26/98 Date Reported: 3/27/98 Sample Matrix: SOIL

ANALYSIS: % S	Solids			Method Ref: EPA 160.3
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/27/98	Result Units: %
Analyte Name			Analytical Resu	Its Reported Detection Limits
Solids			85	0.01
ANALYSIS: Met	als - Lead			Method Ref: 3050B/6010B
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/26/98	Result Units: mg/Kg

Analyte Name

Lead

Accura Analytical Laboratory, Inc.

Analytical Results 280

Reported Detection Limits

5

AALSample ID #: AB40176 Accura Project #: 16041

Client Contact: R. HENDERSON		Date Received: 3/26/98
Client Project Number: 19668		Date Reported: 3/27/98
Client Project Name: MONFORD POINT	r	Sample Matrix: SOIL
Client Sample ID: CL 151340		
ANALYSIS: % Solids	M	ethod Ref: EPA 160.3
Date Analyzed: 3/27/98 Date Ex	xt/Dig/Prep: 3/27/98 Re	sult Units: %
Analyte Name	Analytical Results	Reported Detection Limits
Solids	88	0.01
ANALYSIS: Metals - Lead	Me	thod Ref: 3050B/6010B
Date Analyzed: 3/27/98 Date Ex	ct/Dig/Prep: 3/26/98 Res	sult Units: mg/Kg
Analyte Name	Analytical Results	Reported Detection Limits
Lead	24	5

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Accura Project #: 16041

Date Sampled: 3/25/98

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Accura Sample ID #: AB40177

Client: OHM Corporation-Norcross

ACCURA ANALYTICAL LABORATORY, INC.

-

Client Sample ID: CL 151340

# AALSample ID #: AB40177 Accura Project #: 16041

Accura Analytical Laboratory, Inc.

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

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

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

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

### Accura Sample ID #: AB40178

# Accura Project #: 16041

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD POINT

3/27/98

3/27/98

5

Client Sample ID: CL 151341

# Method Ref: EPA 160.3

Method Ref: 3050B/6010B

Result Units: %

**Result Units:** 

Analyte Name

Date Analyzed:

ANALYSIS: % Solids

Solids

### ANALYSIS: Metals - Lead

Date Analyzed:

Analyte Name

Lead

# Analytical Results 450

Analytical Results

84

Reported Detection Limits 5

mg/Kg

Reported Detection Limits

0.01

Date Sampled: 3/25/98

Date Received: 3/26/98

Date Reported: 3/27/98

Sample Matrix: SOIL

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: CL 151341

AALSample ID #: AB40178 Accura Project #: 16041

Client Sample ID: CL 151342

# AALSample ID #: AB40179 Accura Project #: 16041

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## Accura Sample ID #: AB40179

### Client: OHM Corporation-Norcross

- Client Contact: R. HENDERSON
- Client Project Number: 19668

Client Project Name: MONFORD POINT

Client Sample ID: CL 151342

## ANALYSIS: % Solids

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

Solids

### ANALYSIS: Metals - Lead

Date Analyzed: 3/27/98 Date Ext/Dig/Prep: 3/26/98

----

<u>Analyte Name</u> Lead Analytical Results

Analytical Results

83

Reported Detection Limits

mg/Kg

**Reported Detection Limits** 

0.01

5

Accura Analytical Laboratory, Inc.

Accura Project #: 16041

Method Ref: EPA 160.3

Method Ref: 3050B/6010B

%

Result Units:

Result Units:

Date Sampled: 3/25/98 Date Received: 3/26/98 Date Reported: 3/27/98 Sample Matrix: SOIL

_____

Accura S	Sample ID #	: AB40180	А	ccura Project	#: 16041
Client: OHM Co	orporation-No	rcross		Dat	te Sampled: 3/25/98
Client Contact:	R. HENDERSO	N		Dat	e Received: 3/26/98
Client Project Nur	nber: 19668			Dat	e Reported: 3/27/98
Client Project Nan	ne: MONFO	ORD POINT		San	nple Matrix: SOIL
Client Sample ID	: CL 15	51343			
ANALYSIS: <u>% S</u>	olids			Method Ref:	EPA 160.3
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/27/98	Result Units:	%
Analyte Name			Analytical Re	<u>sults</u> <u>Re</u>	eported Detection Limits
Solids			85		0.01
ANALYSIS: Met	als - Lead			Method Ref:	3050B/6010B
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/26/98	Result Units:	mg/Kg
Analyte Name			Analytical Res	<u>sults</u> <u>Re</u>	ported Detection Limits
Lead			310		u bill den døge av fillesen fra v <b>5</b>

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LABORATORY REPORT

SC Certification # 98015

NC Certification # 483

Accura Analytical Laboratory, Inc.

USACE-MRD Approved

ACCURA ANALYTICAL LABORATORY, INC.

FL Certification # E87429

### AALSample ID #: AB40180 Accura Project #: 16041

Client Sample ID: CL 151344

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LABORATORY REPORT

### Accura Sample ID #: AB40181

### Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD POINT

**Client Sample ID:** CL 151344

### ANALYSIS: TCLP Extraction Procedure

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

Analyte Name

**TCLP** Extraction

# ANALYSIS: TCLP Metals - Lead

Date Analyzed:

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

Analyte Name

Lead (Reg Limit = 5.0)

Accura Project #: 16041

Method Ref: 1311

Result Units:

Date Sampled: 3/25/98 Date Received: 3/26/98 Date Reported: 3/27/98 Sample Matrix: SOIL

Method Ref: 3010A/6010B Result Units: mg/L

Analytical Results

<RDL

Analytical Results

NA

Reported Detection Limits 1

Reported Detection Limits

0

Accura Analytical Laboratory, Inc.

AALSample ID #: AB40181 Accura Project #: 16041

<RDL = Less than Reported Detection Limit

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# LABORATORY REPORT

## Accura Sample ID #: AB40182

### Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

MONFORD POINT Client Project Name:

**Client Sample ID:** CL 151345

### ANALYSIS: TCLP Extraction Procedure

Date Analyzed:

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

Method Ref: 1311 **Result Units:** 

Accura Project #: 16041

3/26/98

3/27/98

**TCLP** Extraction

Analyte Name

### ANALYSIS: TCLP Metals - Lead

Date Analyzed:

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

Analyte Name

Lead (Reg Limit = 5.0)

Accura Analytical Laboratory, Inc.

Date Sampled: 3/25/98 Date Received: 3/26/98 Date Reported: 3/27/98

Sample Matrix: SOIL

0 Method Ref: 3010A/6010B

Result Units: mg/L

Analytical Results <RDL

Analytical Results

NA

**Reported Detection Limits** 1

Reported Detection Limits

AALSample ID #: AB40182 Accura Project #: 16041

Client Sample ID: CL 151345

Client Sample ID: CL 151346

AALSample ID #: AB40183 Accura Project #: 16041

### **Client: OHM Corporation-Norcross** Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MONFORD POINT **Client Sample ID:** CL 151346 ANALYSIS: TCLP Extraction Procedure Method Ref: 1311 Date Ext/Dig/Prep: 3/26/98 Date Analyzed: 3/26/98 **Result Units:** Analytical Results **Reported Detection Limits** NA 0

Accura Sample ID #: AB40183

# Analyte Name

**TCLP** Extraction

# ANALYSIS: TCLP Metals - Lead

3/27/98

Date Analyzed:

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

Analyte Name

Lead (Reg Limit = 5.0)

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LABORATORY REPORT

Accura Project #: 16041	
Date Sampled:	3/25/98
Date Received:	3/26/98
Date Reported:	3/27/98
Sample Matrix:	SOIL

Accura Analytical Laboratory, Inc.

Method Ref: 3010A/6010B

Result Units: mg/L

Analytical Results

4.2

**Reported Detection Limits** 

1

# <RDL = Less than Reported Detection Limit

AALSample ID #: AB40184 Accura Project #: 16041

### NC Certification # 483 SC Certification # 98015 LABORATORY REPORT

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# Accura Sample ID #: AB40184

MONFORD POINT

# Accura Project #: 16041

Date Sampled: 3/25/98 Date Received: 3/26/98 Date Reported: 3/27/98 Sample Matrix: SOIL

**USACE-MRD** Approved

**Client Sample ID:** CL 151347

FL Certification # E87429

Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name:

# **ANALYSIS: TCLP Extraction Procedure**

Date Analyzed: 3/26/98

_

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

Method Ref: 1311 **Result Units:** 

Analyte Name

**TCLP** Extraction

# ANALYSIS: TCLP Metals - Lead

Date Analyzed:

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

Analyte Name

Lead (Reg Limit = 5.0)

Method Ref: 3010A/6010B Result Units: mg/L

Analytical Results

Analytical Results

NA

**Reported Detection Limits** ł

Reported Detection Limits

0

Accura Analytical Laboratory, Inc.

Client Sample ID: CL 151347

<RDL

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 #: AB40185

Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON Client Project Number: 19668

MONFORD POINT Client Project Name:

**Client Sample ID:** CL 151348

ANALYSIS: TCLP Extraction Procedure

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

Method Ref: 1311 **Result Units:** 

Analytical Results

NA

Analytical Results

7.0

Analyte Name

Date Analyzed:

**TCLP** Extraction

# **ANALYSIS: TCLP Metals - Lead**

3/27/98

Date Analyzed:

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

Analyte Name

Lead (Reg Limit = 5.0)

AALSample ID #: AB40185 Accura Project #: 16041

Method Ref: 3010A/6010B

Result Units: mg/L

Accura Analytical Laboratory, Inc.

Date Sampled: 3/25/98 Date Received: 3/26/98 Date Reported: 3/27/98

Accura Project #: 16041

Sample Matrix: SOIL

**Reported Detection Limits** 

0

Reported Detection Limits

1

AALSample ID #: AB40186 Accura Project #: 16041

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# Accura Sample ID #: AB40186

### **Client: OHM Corporation-Norcross**

Client Contact: R. HENDERSON

Client Project Number: 19668

**Client Project Name:** MONFORD POINT

**Client Sample ID:** METHOD BLANK

## ANALYSIS: Metals - Lead

Date Analyzed: 3/27/98

Analyte Name

Lead

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

Method Ref: 3010A/6010B Result Units: mg/L

Analytical Results

<RDL

**Reported Detection Limits** 0.05

Accura Analytical Laboratory, Inc.

Accura Project #: 16041

Date Sampled: 3/25/98 Date Received: 3/26/98 Date Reported: 3/27/98 Sample Matrix: WATER

-

# ACCURA ANALYTICAL LABORATORY, INC.

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NC Certification # 483 SC Certification # 98015

LABORATORY REPORT

Client: UHM Col	rporation-inor	cross		Dat	te Sampled: $3/25/98$
Client Contact: R	. HENDERSO	N		Dat	e Received: 3/26/98
Client Project Num	ber: 19668	,		Dat	e Reported: 3/27/98
Client Project Name	e: MONFO	RD POINT		San	ple Matrix: SOIL
Client Sample ID:	METH	IOD BLANK			·····
ANALYSIS: Meta	ls - Lead			Method Ref:	3050B/6010B
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/26/98	Result Units:	mg/Kg
Analyte Name			Analytical Res	<u>ults Re</u>	ported Detection Limits
Lead			<rdl< td=""><td></td><td>5</td></rdl<>		5
ANALYSIS: TCL		· · · · ·		Method Ref:	1311
Date Analyzed:	3/26/98 .	Date Ext/Dig/Prep:	3/26/98	Result Units:	
Analyte Name			Analytical Res	<u>ults</u> <u>Re</u>	ported Detection Limits
TCLP Extraction			NA		0
ANALYSIS: TCLI	<u> Metals - Lea</u>	d		Method Ref:	3010A/6010B
Date Analyzed:	3/27/98	Date Ext/Dig/Prep:	3/27/98	Result Units:	mg/L
Analyte Name			Analytical Resu	<u>ilts Re</u> j	ported Detection Limits
Lead (Reg Limit = 5	.0)		<rdl< td=""><td></td><td>1</td></rdl<>		1
			(	11 .	

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# LABORATORY REPORT

Accura Sample ID #: AB40187

ACCURA ANALYTICAL LABORATORY, INC. Client Sample ID: METHOD BLANK

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Accura Project #: 16041

Accura Analytical Laboratory, Inc.

AALSample ID #: AB401

AALSample ID #: AB40187 Accura Project #: 16041

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OHM'S LAB COORDINATOR	LAB COORDINATOR'S PI		LAB COORDINAT				TORY SERV		~ ~	RY CONTACT	11	MAIL REPORT (COMPANY NAME)	
Elena Rodriguez	770-734-806		770-453-				wra A.			vil Fu	ller	OHM Remediation Servi	ces
PROJECT NAME:	Camp Lejeu	ine	]	PROJECT NUMBE	18	770-	току рном - <b>ЧЧ</b>	8800	LABORATO			Efena "Rodriguez	
PROJECT CONTACT Russell Henderson	PROJECT PHONE NUMBE 910-451-23	390	project fax 910-451	-1809		60	TORY ADDR	Fin	anci	al Or	irc	5445 Triangle Pkwy, S	te 400
PROJECT ADDRESS Lot 203 Holcomb Blv										, 300		CITY STATE AND ZIPCODE NOTCTOSS, GA 30092	
PROJECT MANAGER Jim Dunn	PROJECT MANAGER'S 770-734-807	72	PROJECT MANA					06.					
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3 CL151351				1		$\mathbf{N}$						1107/12	
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Di	stribution: White	e - Laboratory (	(To be return	ned with An	alytical R	eport);	Golder	nrod - I	Project I	File; Yell	ow - Pr	oject Data Manager	

6017 Financial Drive, Norcross, Georgia, 30071, Phone (770)449-8800

# CASE NARRATIVE for Project Number: <u>16067</u> 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** 

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SC Certification # 98015 **USACE-MRD** Approved

LABORATORY REPORT

## Accura Sample ID #: AB40343

# Accura Project #: 16067

Date Sampled: 3/27/98

Date Received: 3/30/98

Date Reported: 4/1/98

Sample Matrix: SOIL

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD PT

**Client Sample ID:** CL151349

ANALYSIS: TCLP Extraction Procedure

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

Date Ext/Dig/Prep:

Method Ref: 1311 **Result Units:** 

Analyte Name

**TCLP** Extraction

## ANALYSIS: TCLP Metals - Lead

4/1/98

Date Analyzed:

Analyte Name

Lead (Reg Limit = 5.0)

### Analytical Results

Analytical Results

NA

3/31/98

Reported Detection Limits

mg/L

Method Ref: 3010A/6010B

1.8

1

**Reported Detection Limits** 

0

Result Units:

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Client Sample ID: CL151349

AALSample ID #: AB40343 Accura Project #: 16067

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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 Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MONFORD PT Client Sample ID: CL151350

# Date Sampled: 3/27/98 Date Received: 3/30/98 Date Reported: 4/1/98 Sample Matrix: SOIL

ANALYSIS: % Solids Method Ref: EPA 160.3 3/30/98 Date Ext/Dig/Prep: 3/30/98 Result Units: Date Analyzed: % Analyte Name Analytical Results **Reported Detection Limits** 89 0.01 Solids Method Ref: 3050B/6010B ANALYSIS: Metals - Lead Date Ext/Dig/Prep: 3/30/98 Result Units: 3/31/98 mg/Kg Date Analyzed: Analytical Results **Reported Detection Limits** Analyte Name <RDL 5 Lead

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Client Sample ID: CL151350

AALSample ID #: AB40344 Accura Project #: 16067

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

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 Method Ref: EPA 160.3 ANALYSIS: % Solids % 3/30/98 Date Ext/Dig/Prep: 3/30/98 Result Units: Date Analyzed: Analyte Name Analytical Results **Reported Detection Limits** 89 0.01 Solids Method Ref: 3050B/6010B ANALYSIS: Metals - Lead 3/31/98 Date Ext/Dig/Prep: 3/30/98 Result Units: mg/Kg Date Analyzed: Analytical Results Reported Detection Limits Analyte Name 19 5 Lead

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: CL151351

AALSample ID #: AB40345 Accura Project #: 16067

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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

Date Sampled: 3/27/98

Date Received: 3/30/98

Date Reported: 4/1/98

Sample Matrix: SOIL

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON Client Project Number: 19668

Client Project Name: MONFORD PT

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 4/1/98 Date Analyzed: 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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Client Sample ID: CL151352

AALSample ID #: AB40346 Accura Project #: 16067

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

LABORATORY REPORT

## Accura Sample ID #: AB40347

3/31/98

### Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD PT

Client Sample ID: CL151353

### ANALYSIS: Metals - Lead

Date Analyzed:

Analyte Name

Lead

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

тер: 3/30/98

Method Ref: 3010A/6010B Result Units: mg/L

Accura Project #: 16067

Analytical Results

<RDL

Reported Detection Limits

0.05

Date Sampled: 3/27/98

Date Received: 3/30/98

Date Reported: 4/1/98

Sample Matrix: WATER

Accura Analytical Laboratory, Inc.

### ACCURA ANALYTICAL LABORATORY, INC.

Pg 5 of 7

Client Sample ID: CL151353

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

LABORATORY REPORT

### Accura Sample ID #: AB40348

# Accura Project #: 16067

Client Sample ID:	METHOD BLANK
Client Project Name:	MONFORD PT
Client Project Number:	19668
Client Contact: R. HE	NDERSON
Client: OHM Corpor	ation-Norcross

# Date Sampled: 3/27/98 Date Received: 3/30/98 Date Reported: 4/1/98 Sample Matrix: SOIL

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

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

Analyte Name

Lead (Reg Limit = 5.0)

# Analytical Results <RDL

Reported Detection Limits

1

Method Ref: 3010A/6010B

Result Units: mg/L

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: METHOD BLANK

AALSample ID #: AB40348 Accura Project #: 16067

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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** 

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD PT

**Client Sample ID:** 

ANALYSIS: Metals - Lead

Date Analyzed:

Analyte Name

Lead

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

Result Units: mg/L

Method Ref: 3010A/6010B

Analytical Results

<RDL

**Reported Detection Limits** 

0.05

Date Sampled: 3/27/98

Date Received: 3/30/98

Date Reported: 4/1/98

Sample Matrix: WATER

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: METHOD BLANK

AALSample ID #: AB40349 Accura Project #: 16067

**METHOD BLANK** 

3/31/98

						)				A	AL Pr	oject t	± 16068
OHM R Service Subsidiary of C	s Corp	tion lion llay, Ohio 45840	• (410) 473		HAIN	-OF-C	CUST	ODY	RE	CO	RD		LABORATORY COPY 206857
CHOC & LAB COORDINATOR	LAB COORDINAT	والكروالة ومسورة كالموار المسمودة فمعاليتها المعد		ORDINATOR'S F	 AX		LABORATO	RY SERVICE		ABORA	TORY CONTA	ст	FORM 0019 REV 2 14 MAIL REPORT (COMPANY NAME)
Elena Rodriguez	(770) 7	34-8060	(77	0) 453	-7716		Acres	UNE	tind	tion	Ami	d Full	OHM Remediation Corp.
PROJECT NAME	PROJECT LOCATI Camp Lej	eune		PROJ	ECT NUMBER		LABORATO	RY PIKONE	Ray	ABORA	TORY FAX		Elena Rodriguez
MOLECT CONTACT R. Henderson Randy Smith 0(A 3/30/65	PROJECT PHONE (910) 45	NUMBER 1-2390	PROJEC (91				LABORATO	RY ADDRES	S	Ne	id	Drive	5445 Triangle Pkwy, Ste 400
MOJECT ADDRESS Lot 203 Holcomb Blvd	CITY, STATE AND	zircode .ejuene, N	CLIENT C LAN	TDIV			CITY, STAT	E AND ZIPC	ODE		300		CITY, STATE AND ZIPCODE NOTCTOSS, GA 30092
MOJECT MANAGER Jim Dunn	PROJECT MANAG		•	t manager's 70) 453			,	5	61	6		7	
Sample Identifier		Matrix Date	TIME	reserved #	Cont of	evel I.A.	Analy	1 - L	y P				Comments AAL# : AB
1 CL 151354 Rallotf #13	Sa	1 date	41	c	E	486-							403.50
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10													
RELINQUISHED BY	og sol		ND AIR BILL NUM		Ex #	DATE	TIME		670	2			COOLER TEMPERATURE UPON RECEIPT
Randy Smith FedSx		E-ad This		indal		3-30-18			500	D			
												······	Project Data Manager

6017 Financial Drive, Norcross, Georgia, 30071, Phone (770)449-8800

CASE NARRATIVE for Project Number: <u>16068</u> Client Project: Monford PT / 19668

No problems were encountered with this project.

Quality Assurance

Client Services Representative

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

LABORATORY REPORT

Accura Sample ID #: AB4	0350	Acci	ıra 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			<u>en la companya da companya</u>
ANALYSIS: TCLP Extraction Procedu	re		Method Ref: 1311
Date Analyzed: 3/30/98 Date	Ext/Dig/Prep:	3/30/98	Result Units:
Analyte Name		Analytical Result	s 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 Result	Reported Detection Limits
Lead (Reg Limit = 5.0)		<rdl< td=""><td>1</td></rdl<>	1

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Client Sample ID: CL151354

AALSample ID #: AB40350 Accura Project #: 16068

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LABORATORY REPORT

#### Accura Sample ID #: AB40351

# Accura Project #: 16068

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MONFORD PT

Client Sample ID: CL151355

#### ANALYSIS: Metals - Lead

Date Analyzed: 3/31/98

Date Ext/Dig/Prep: 3/3

ep: 3/30/98

Method Ref: 3010A/6010B Result Units: mg/L

Analytical Results

<RDL

Reported Detection Limits

Date Sampled: 3/28/98

Date Received: 3/30/98

Date Reported: 4/1/98

Sample Matrix: WATER

0.05

Accura Analytical Laboratory, Inc.

Lead

Analyte Name

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<RDL = Less than Reported Detection Limit

Client Sample ID: CL151355

AALSample ID #: AB40351 Accura Project #: 16068

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

LABORATORY REPORT

#### Accura Sample ID #: AB40352

#### Accura Project #: 16068

**Client: OHM Corporation-Norcross** Client Contact: R. HENDERSON Client Project Number: 19668

Client Project Name: MONFORD PT

**Client Sample ID:** 

ANALYSIS: TCLP Extraction Procedure

# Date Sampled: 3/28/98 Date Received: 3/30/98 Date Reported: 4/1/98 Sample Matrix: SOIL

METHOD BLANK

Method Ref: 1311

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

3/30/98

Analytical Results

NA

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

Result Units:

Method Ref: 3010A/6010B

Analyte Name

**TCLP** Extraction

#### ANALYSIS: TCLP Metals - Lead

4/1/98 Date Analyzed:

Analyte Name

Lead (Reg Limit = 5.0)

#### Analytical Results

<RDL

Reported Detection Limits

mg/L

**Reported Detection Limits** 

0

1

Result Units:

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ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: METHOD BLANK

AALSample ID #: AB40352 Accura Project #: 16068

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

LABORATORY REPORT

#### Accura Sample ID #: AB40353

3/31/98

# Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD PT

Client Sample ID: METHOD BLANK

#### ANALYSIS: Metals - Lead

Date Analyzed:

Analyte Name

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

Method Ref: 3010A/6010B

Accura Project #: 16068

Result Units: mg/L

Analytical Results

<RDL

Reported Detection Limits
0.05

Date Sampled: 3/28/98

Date Received: 3/30/98

Date Reported: 4/1/98

Sample Matrix: WATER

Accura Analytical Laboratory, Inc.

Lead

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Pg 4 of 4

Client Sample ID: METHOD BLANK

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# QUALITY CONTROL RESULTS TCLP METALS

# Laboratory Control Sample

	Spike Compound	LCS Recovery	LCSD Recovery	RPD	Re	ference Range
		(%)	(%)		RPD	Recovery (%)
I	Lead	99	NA	NA	20	83-114

# Matrix Spike (MS) / Matrix Spike Duplicate (MSD) Sample ID: AB40350*

Spike Compound	MS Recovery	MSD Recovery	RPD	Re	ference Range
	(%)	(%)		RPD	Recovery (%)
Lead	86	90	5	20	69-131

* = Batch QC

OHM 16068.xls

Accura Analytical Laboratory 6017 Financial Drive Norcross, GA 30071

L,

# QUALITY CONTROL RESULTS TOTAL WATER METALS

# Laboratory Control Sample

Spike Compound	LCS Recovery	LCSD Recovery	RPD	Re	ference 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	Re	ference Range
	(%)	(%)		RPD	Recovery (%)
Lead	95	96	2	20	71-110

* = Batch QC

)				
OHM Remed Services Con Subsidiary of OHM Corp U.S. Route 224 East			CUSTODY RECORD	LABORATORY COPY 206852 FORM WHY REV. 237
OHM'S LAB COORDINATOR LAB COORD	NNATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
	734-8060	(770) 453-7716	Accura Analytical David Faller	OHM Remediation Corp.
MonFord Point Camp I	Lejeune	PROJECT NUMBER	LABORATORY PHONE LABORATORY FAX	Elena Rodriguez
Randy Smith (910)	юле NUMBER 451-2390	PROJECT FAX (910) 451-1809	LABORATORY ADDRESS 6017 Financial Prive	ADDRESS 5445 Triangle Pkwy, Ste 400
	e and zipcode D Lejuene, NC	CLIENT LANTDIV	Norcross, GA 30071	CITY, STATE AND ZIPCODE NOTCTOSS, GA 30092
PROJECT MANAGER PROJECT M		PROJECT MANAGER'S FAX (770) 453-7743	· //////	1//
Sample Identifier	Mairix Date Ti	The preserved of Cont Level A.	Analyses Playle	Comments
1 CL 151 356 FB 1 Ficta BLANK	vater 3/20/20 1148	HWO, I WEESA 484.		PM PROT# 16083
2 CL151357 2 Cons Floor 9,10,11,12,18 2 44	Soil 720/98 1145	4°C I WERSA 44h		A640451
3 Corphar 14,15,16,11,20 2Nd	50:1 7/30/00 12.15	4C 1 C 48Lr		1540452
4 (1-151359 (m, Flow, 29, 32, 33, 34, 44) 2.202	50:1 7/20421 1130	4°C 1 C thr		<b>PB</b> 40453
5 C1-151 36 C CongFloor 97,43,80,69,44,68 2M	501 3/20/99 230	4CI CHBLY		10454 10454
Wall comp 17,23,24 2Nd C	501 7 399 1205	TC C 48h		10455
7 RolloFF # 22 Arter Stat		4"C   E 40%, 4"C   E 40%,		16404S6
	50,1 7,000 1250	4C 1 E 784		10457
9				
10 SAMPLES COLLECTED BY. ED Rolgers	COURIER AND AIR E	BILL NUMBER: 80/960,759	1639	
BELINDUISHED BY		RECEIVED BY DATE	TIME SAMPLE S	
Fealex	Bothdan	EX 3/30/9 Lunde 1/31/92	1600 109:30 GOOD	
Distributio	n: White - Laboratory	(To be returned with Analytical	Report); Goldenrod - Project File; Yellow - Pr	

2 colored

6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

# CASE NARRATIVE for Project Number: <u>16083</u> 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

 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

4/1/98

#### Accura Project #: 16083

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MONFORD POINT Client Sample ID: CL 151356 FB Date Sampled: 3/30/98 Date Received: 3/31/98 Date Reported: 4/2/98 Sample Matrix: WATER

ANALYSIS: Metals - Lead

Date Analyzed:

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

/31/98 Result Units:

Analytical Results

<RDL

Result Units: mg/L

Method Ref: 3010A/6010B

Analyte Name

Lead

Reported Detection Limits 0.05

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: CL 151356 FB

AALSample ID #: AB40450 Accura Project #: 16083

ACCURA	ANALY	TICAL	LABORAT	ORY, INC

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LABORATORY REPORT

#### Accura Sample ID #: AB40451

# Accura Project #: 16083

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD POINT

Client Sample ID: CL 151357

Date Sampled: 3/30/98 Date Received: 3/31/98 Date Reported: 4/2/98 Sample Matrix: SOIL

ANALYSIS: % Sol	lids			Method Ref:	EPA 160.3
Date Analyzed:	3/31/98	Date Ext/Dig/Prep:	3/31/98	Result Units:	%
Analyte Name			Analytical Resul	<u>ts Re</u>	ported 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 Resul	ts Reported Detection Limits
Lead	, 3		6.1	5

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Client Sample ID: CL 151357

AALSample ID #: AB40451 Accura Project #: 16083

Client Sample ID: CL 151358

Pg 3 of 10

# Accura Sample ID #: AB40452 Accura Project

Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

ANALYSIS: % Solids

Client Project Name: MONFORD POINT

Client Sample ID: CL 151358

#### 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 Ext/Dig/Prep: 3/31/98 Date Analyzed: 4/1/98 Result Units: mg/Kg Analyte Name Analytical Results Reported Detection Limits

<RDL

Analyte Name

Lead

# Amith

Method Ref: EPA 160.3

Accura Analytical Laboratory, Inc.

5

g 3 01 10

AALSample ID #: AB40452 Accura Project #: 16083

Accura Project #: 16083

Date Sampled: 3/30/98 Date Received: 3/31/98 Date Reported: 4/2/98 Sample Matrix: SOIL

ACCURA ANALYTICAL LABORATORY, INC.

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LABORATORY REPORT

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LABORATORY REPORT

#### Accura Sample ID #: AB40453

MONFORD POINT

CL 151359

#### Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

# Accura Project #: 16083

Date Sampled: 3/30/98 Date Received: 3/31/98 Date Reported: 4/2/98 Sample Matrix: SOIL

Reported Detection Limits

0.01

Reported Detection Limits

5

ANALYSIS: % Solids

Date Analyzed: 3/31/98

**Client Project Name:** 

**Client Sample ID:** 

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

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

Analytical Results

92

Analytical Results

<RDL

Method Ref: EPA 160.3 Result Units: %

Method Ref: 3050B/6010B

mg/Kg

Analyte Name

Solids

#### ANALYSIS: Metals - Lead

Date Analyzed: 4/1/98

Analyte Name

Lead

ashith

Result Units:

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

Pg 4 of 10

Client Sample ID: CL 151359

AALSample ID #: AB40453 Accura Project #: 16083

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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** 

Client Contact: R. HENDERSON Client Project Number: 19668

Client Project Name: MONFORD POINT

CL 151360 **Client Sample ID:** 

Date Sampled: 3/30/98 Date Received: 3/31/98 Date Reported: 4/2/98 Sample Matrix: SOIL

ANALYSIS: % S	olids			Method Ref:	EPA 160.3
Date Analyzed:	3/31/98	Date Ext/Dig/Prep:	3/31/98	Result Units:	%
Analyte Name			Analytical Re	sults <u>Re</u>	ported Detection Limits
Solids			77		0.01

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

ANALYSIS: Metals - Lead

4/1/98

Date Analyzed:

Analyte Name

Lead

Analytical Results <RDL

Reported Detection Limits

5

mg/Kg

Method Ref: 3050B/6010B

Result Units:

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ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: CL 151360

AALSample ID #: AB40454 Accura Project #: 16083

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 #: AB40455

### Accura Project #: 16083

Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON Client Project Number: 19668

•

Client Project Name: MONFORD POINT

Client Sample ID: CL 151361

ANALYSIS: % Solids Method Ref: EPA 160.3 3/31/98 Date Ext/Dig/Prep: 3/31/98 Date Analyzed: **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

<u>Analyte Name</u>

Lead

Analytical Results
<RDL

5

Reported Detection Limits

Date Sampled: 3/30/98

Date Received: 3/31/98

Date Reported: 4/2/98

Sample Matrix: SOIL

Accura Analytical Laboratory, Inc.

Client Sample ID: CL 151361

AALSample ID #: AB40455 Accura Project #: 16083

<RDL = Less than Reported Detection Limit

Client Sample ID: CL 151362

#### Pg 7 of 10

NC Certification # 483 SC Certification # 98015 LABORATORY REPORT

ACCURA ANALYTICAL LABORATORY, INC. 6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

### Accura Sample ID #: AB40456

Accura Project #: 16083

USACE-MRD Approved

Date Sampled: 3/30/98

Date Received: 3/31/98

Date Reported: 4/2/98

Sample Matrix: SOIL

**Client: OHM Corporation-Norcross** Client Contact: R. HENDERSON Client Project Number: 19668

FL Certification # E87429

MONFORD POINT Client Project Name:

CL 151362 **Client Sample ID:** 

# ANALYSIS: TCLP Extraction Procedure

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

Analytical Results

NA

Method Ref: 1311 **Result Units:** 

Method Ref: 3010A/6010B

mg/L

Analyte Name

**TCLP** Extraction

### ANALYSIS: TCLP Metals - Lead

Date Analyzed: 4/2/98 Date Ext/Dig/Prep: 4/1/98 Analytical Results

Analyte Name

Lead (Reg Limit = 5.0)

# <RDL

1

Reported Detection Limits

Reported Detection Limits

0

**Result Units:** 

Accura Analytical Laboratory, Inc.

AALSample ID #: AB40456 Accura Project #: 16083

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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

Method Ref: 1311

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON Client Project Number: 19668 Client Project Name: MONFORD POINT Client Sample ID: CL 151363

ANALYSIS: TCLP Extraction Procedure

# Date Sampled: 3/30/98 Date Received: 3/31/98 Date Reported: 4/2/98 Sample Matrix: SOIL

Date Analyzed:	3/31/98	Date Ext/Dig/Prep:	3/31/98	Result Units	:
Analyte Name			Analytical Resul	<u>ts R</u>	eported Detection Limits
TCLP Extraction			NA		0
ANALYSIS: TCLP	Metals - Lead	1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		Method Ref:	3010A/6010B
Date Analyzed:	4/2/98	Date Ext/Dig/Prep:	4/1/98	Result Units:	mg/L
Analyte Name	·		Analytical Result	<u>s Re</u>	eported Detection Limits
Lead (Reg Limit = 5.0	0)		3.7		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
			e se		

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: CL 151363

AALSample ID #: AB40457 Accura Project #: 16083

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 #: AB40458

#### Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD POINT

4/1/98

Client Sample ID: METHOD BLANK

#### ANALYSIS: Metals - Lead

Date Analyzed:

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

Analyte Name

Lead

### Accura Project #: 16083

Date Sampled: 3/30/98 Date Received: 3/31/98 Date Reported: 4/2/98 Sample Matrix: WATER

Method Ref: 3010A/6010B

Result Units: mg/L

Analytical Results

<RDL

Reported Detection Limits 0.05

Accura Analytical Laboratory, Inc.

#### ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: METHOD BLANK

AALSample ID #: AB40458 Accura Project #: 16083

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**USACE-MRD** Approved

LABORATORY REPORT

Accura Sample ID #:	AB40459	Accura Project #: 16083					
Client: OHM Corporation-Norc	ross	Date Sampled: 3/30/98					
Client Contact: R. HENDERSON	1		Date Received: 3/31/98				
Client Project Number: 19668			Date Reported: 4/2/98				
Client Project Name: MONFOR	D POINT	Sample Matrix: SOIL					
Client Sample ID: METHO	DD 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 Resul	ts Reported Detection Limits				
Lead		<rdl< td=""><td>5</td></rdl<>	5				
ANALYSIS: TCLP Extraction Pr	ocedure		Method Ref: 1311				
Date Analyzed: 3/31/98	Date Ext/Dig/Prep:	3/31/98	Result Units:				
Analyte Name		Analytical Resul	ts 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 Resul	Reported Detection Limits				
Lead (Reg Limit = 5.0)		<rdl< td=""><td>1</td></rdl<>	1				

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: METHOD BLANK

AALSample ID #: AB40459 Accura Project #: 16083

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OHM R	emediat	ion		CHAIN-OF-	CUSTO	DY RI	ECORD		LABORATORY COPY
Subsidiary of	OHM Corporatio	n y, Ohio 45840 • (	: (419) 423-3526						206853
UNN'I LAB COORDINATOR	LAB COORDINATOR	'S PHONE	LAB COORDINATOR	US FAX	LABORATORY	Y SERVICE ID	LABORATORY CO	NTACT I	MAIL REPORT (COMPANY NAME)
Elena Rodriguez	(770) 73		1	(770) 453-7716 Accura Analytical Day		al Davi	d Fulle	- OHM Remediation Corp.	
Martine PT	camp Leje	eune	P	PROJECT NUMBER	1480RATOR	49-880C	LABORATORY FA	x	Elena Rodriguez
ROLECT CONTACT R. MENDERSON	PROJECT PHONE NU (910) 45	imber 1–2390	PROJECT FAX	51-1809			ancial	Drive	ADDRESS 5445 Triangle Pkwy, Ste 400
PROJECT ADDRESS Lot 203 Holcomb Blv	· · · · · · · · · · · · · · · · · · ·	ejuene, NC	CLIENT LANTDIV		CITY, STATE	AND ZIPCODE	A .	30071	CITY, STATE AND ZIRCODE Norcross, GA 30092
project manager Jim Dunn	project manager phone (770) 73	4-8072		53-7743	Analyse	?	$\left[ \right]$	//	AMAL PROJ#
Sample Identifier	4	ABITINY Date T	ine preserved	tor Cont Clevel A					Comments
CL151364 RolloFF #25	50:	1 4/1/1/1000	1	C 48hr	X				AB 40881
2 RoloFF # 26	Soil	4/3/41/120	4.(1	C Hohr	X	+			PB 40882
3 Field Blank	wite	<u>- 4/3/6/1110</u>	HMg 1	E Yehr	$\downarrow \uparrow$	<b>↓</b>	╁╌╂╼╂		AB 40883
4						+	+		······································
6					+	+-+-	+		
7			+		+	++	╉╌╂╾╉		
8			+		╉╌╉╌		+		
9						++	╉╼╂╼╊	-+-+	
10						+-+-	+		
SAMPLES COLLECTED BY: ED RO	lyerr	COURIER AND AIR	BILL NUMBER: 86	1960759	5 <b>91</b>	<u></u>	<u>-</u>		
Putter		FED E	× AA	4/2/91	174		**************************************	SAMPI	E S CONDITION DPON RECEIPT
/ Fedita		Dauà	Bully	4/4/91	8 09:45	Guvd	\		
D	istribution: W	hite - Laboratory	(To be returned	ed with Analytical I	Report): G	ioldenrod -	Project File	· Yellow -	Project Data Managa-

6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

# CASE NARRATIVE for Project Number: <u>16141</u> Client Project: Monford Point / 19668

No problems were encountered with this project.

Quality Assurance

Client Services Representative

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 Client Contact: R. HENDERSON Client Project Number: 19668

Client Project Name: MONFORD POINT

Client Sample ID: CL 151364

#### ANALYSIS: TCLP Extraction Procedure

Date Analyzed: 4/6/98 Date Ext/Dig/Prep: 4/6/98

Analyte Name

**TCLP** Extraction

#### ANALYSIS: TCLP Metals - Lead

Date Analyzed: 4/7/98 Date Ext/Dig/Prep: 4/7/98

Analyte Name

Lead (Reg Limit = 5.0)

Method Ref: 1311

Result Units:

Analytical Results Reported Detection Limits
NA 0

D. C. 20104/(010D

Date Sampled: 4/3/98

Date Received: 4/4/98

Date Reported: 4/7/98

Sample Matrix: SOIL

Method Ref: 3010A/6010B Result Units: mg/L

Result Units: mg/L

Analytical Results Reported Detection Limits
<RDL 1

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: CL 151364

AALSample ID #: AB40881 Accura Project #: 16141

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

LABORATORY REPORT

1. ID 4.

A D 40001

Accura Sample ID #: AD40002			Accura Project #: 10141					
Client: OHM Cor	cross	Date Sampled: 4/3/98						
Client Contact: R.	N	Date Received: 4/4/98						
Client Project Numb	er: 19668			Date	Reported: 4/7/98			
Client Project Name	RD POINT		Sam	ple Matrix: SOIL				
Client Sample 1D:	CL 15	1365						
ANALYSIS: TCLP Extraction Procedure			Method Ref: 1311					
Date Analyzed:	4/6/98	Date Ext/Dig/Prep:	4/6/98	Result Units:				
Analyte Name			Analytical Resul	ts <u>Re</u>	ported 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 Result	ts <u>Rer</u>	ported Detection Limits			

Analyte Name

Lead (Reg Limit = 5.0)

<RDL

Accura Analytical Laboratory, Inc.

1

ACCURA ANALYTICAL LABORATORY, INC.

Client Sample ID: CL 151365

AALSample ID #: AB40882 Accura Project #: 16141

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

LABORATORY REPORT

### Accura Sample ID #: AB40883

### Accura Project #: 16141

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD POINT

Client Sample ID: CL 151366 FB

#### ANALYSIS: Metals - Lead

Date Analyzed:

Analyte Name

Date Ext/Dig/Prep: 4/6/98

ep. 4/0/98

Result Units: mg/L

Method Ref: 3010A/6010B

Analytical Results

<RDL

Reported Detection Limits

Date Sampled: 4/3/98

Date Received: 4/4/98

Date Reported: 4/7/98

Sample Matrix: WATER

0.05

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

<RDL = Less than Reported Detection Limit

Client Sample ID: CL 151366 FB

AALSample ID #: AB40883 Accura Project #: 16141

4/7/98

Lead

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

LABORATORY REPORT

#### Accura Sample ID #: AB40884

#### Accura Project #: 16141

Date Sampled: 4/3/98

Date Received: 4/4/98

Date Reported: 4/7/98

Sample Matrix: SOIL

Client: OHM Corporation-Norcross Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD POINT

Client Sample ID: METHOD BLANK

Client Sample ID: MI

#### **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 Ext/Dig/Prep: 4/7/98 Date Analyzed: 4/7/98 Result Units: mg/L

Analyte Name

Lead (Reg Limit = 5.0)

Analytical Results <RDL Reported Detection Limits

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Client Sample ID: METHOD BLANK

AALSample ID #: AB40884 Accura Project #: 16141

Client Sample ID: METHOD BLANK

#### 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 #: AB40885

#### Accura Project #: 16141

Client: OHM Corporation-Norcross

Client Contact: R. HENDERSON

Client Project Number: 19668

Client Project Name: MONFORD POINT

Client Sample ID: **METHOD BLANK** 

4/7/98

#### ANALYSIS: Metals - Lead

Date Analyzed:

Analyte Name

Date Ext/Dig/Prep: 4/6/98

Method Ref: 3010A/6010B Result Units: mg/L

Analytical Results

<RDL

Reported Detection Limits 0.05

Accura Analytical Laboratory, Inc.

<RDL = Less than Reported Detection Limit

ACCURA ANALYTICAL LABORATORY, INC.

Lead

Date Sampled: 4/3/98 Date Received: 4/4/98 Date Reported: 4/7/98 Sample Matrix: WATER