PROGRESS REPORT OF SOIL CHARACTERIZATION AT THE 317 AREA

PREPARED FOR:

BERMITE DIVISION
WHITTAKER CORPORATION
22116 WEST SOLEDAD CANYON ROAD
SAUGUS, CALIFORNIA 91350

PREPARED BY:

WENCK ASSOCIATES, INC.
832 TWELVE OAKS CENTER
15500 WAYZATA BOULEVARD
WAYZATA, MINNESOTA 55391-1418
(612) 475-0858

MARCH 1988

I hereby certify that this report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of California.

Norman C. Wenck 3-22-88

Norman C. Wenck California Registration No. 41317

TABLE OF CONTENTS

		PAGE
I.	INTRODUCTION	1
II.	PROCEDURES	3
	A. Preparation	3
	B. Removal of Soil	3
	C. Soil Removed to Landfill	4
III.	CHARACTERIZATION	5
	A. Purpose	5
	B. Sampling Location	5
	C. OVA Sampling Methodology	5
	D. OVA Results	6
	E. Samples Obtained for Laboratory Analysis	7
	F. Verification of Field Characterization Procedure	7
	G. Extent of Soils Containing Volatile Organic Hydrocarbons	8
	H. Specific Organics Identified by Lab Analysis	9
	I. Other Analysis	9
	J. Photographs	10
IV.	CONCLUSIONS	11

LIST OF TABLES

1 Field OVA Readings at All Nodes - Surface to 29 Feet

2 Field versus Laboratory Analysis for 15' Extension of Trench

3 Field versus Laboratory Analysis Results - High Nodes

4 Field versus Laboratory Analysis Results - Low Nodes

5 Laboratory Results of Soil Samples from Random Borings in the 317 Area.

LIST OF FIGURES

1 Control Grid for Excavation and Sampling

2 Section I - Field OVA Results

3 Section II - Field OVA Results

4 Section III - Field OVA Results

5 Section IV - Field OVA Results

6 Section 2 - Field OVA Results

7 Section 3 - Field OVA Results

8 Section 4 - Field OVA Results

9 Section 5 - Field OVA Results

10 Section 6 - Field OVA Results

11 Section 7 - Field OVA Results

12 Section 8 - Field OVA Results

13 Section 9 - Field OVA Results

14 Section 10 - Field OVA Results

15 Location of Borings for Samples Taken During Verification Sampling

LIST OF APPENDICES

A Work Plan for Soil Removal - From "Modifications to Approved Closure Plan", dated December 28, 1987

B Changes to Work Plan, letter to Department of Health Services verifying changes, dated January 19, 1988

C Letters of Exemption from South Coast Air Quality Management District for Soil Removal

D Hazardous Waste Manifests

E Chain of Custody Documentation

F Laboratory Reports

G Laboratory Results of Samples Analyzed for BNA's

H Photographs

I. INTRODUCTION

The Bermite Division of Whittaker Corporation discontinued operations effective April 3, 1987. In April 1987, a Revised RCRA Closure Plan was submitted to the California Department of Health Services ("DHS") and to the U.S. Environmental Protection Agency ("EPA") Region IX for approval. The DHS and EPA approved the Closure Plan, with modifications, via their letter of transmittal dated December 28, 1987. The plan specifies the activities required for closure of the various RCRA units which were present on the facility. This Progress Report describes the procedures and methods used, presents the characterization results, and presents conclusions based on the work performed.

Pursuant to the approved Closure Plan Modifications, a work plan for soils investigation and removal at the 317 former surface impoundment was implemented for the purpose of characterizing the vertical and horizontal extent of organic compounds. This work plan is contained in the approved Closure Plan Modifications and is included herein as Appendix A.

In accordance with the work plan, an area 165 feet long by 10 feet wide by 30 feet deep has been excavated. The soils were excavated in a manner which allowed separation of soils from different soil horizons and characterization of these soils as to their content of organic compounds. The soils have either been placed on site or have been shipped to a hazardous waste landfill. Both field and laboratory analysis has been performed on soil samples from the trench area to characterize and define the organic compounds.

Additional soil characterization has been completed at the 317 area, with samples collected on January 5 and 6, 1988. Random samples, analyzed for specific metal and organic compounds, were taken in the 317 area in accordance with the approved Closure Plan Modifications. The results of this work are briefly described below and are detailed in a separate report, entitled " Verification Sampling Results at Selected RCRA Units, March 1988".

Modifications to the work plan for soil characterization were made with approval of the EPA and the DHS after excavation of soils to the 20 foot depth. These modifications consisted of widening the trench by approximately 15 feet so the additional excavation to the 30 foot depth could be accomplished. Pursuant to this approval, soil sampling was undertaken to determine the presence or absence of base neutral acid compounds (semi-volatile organics) which the DHS considered possibly present in the soils of this RCRA unit. This analysis was completed and the results are presented herein. A letter sent to the DHS on January 19, 1988 for the purpose of clarifying and verifying the modified work plan activities is included as Appendix B.

Approval to remove the soils from the 317 area was granted by the South Coast Air Quality Management District ("SCAQMD"). Approval from the SCAQMD was given twice in the form of exemptions to SCAQMD Rule 1150 (c)(4). The letters of exemption, granting approval by the SCAQMD to remove the soils are included as Appendix C.

This report describes the excavation and sampling procedures which were followed for the soil removal and sampling activities, details the results of the characterization of these soils and the vertical and horizontal extent of the organic compounds found in the soils.

II. PROCEDURES

A. Preparation

Prior to characterizing the soils, the top one foot of soil and asphalt were removed from the 317 area. This allowed the area to be graded to a level surface for purposes of depth and width control of the excavation.

Swales and ditches for controlling run-on and runoff were constructed around the area to be excavated and around the area on which the removed soil would be placed.

A grid pattern for control of the excavation dimensions and of the soil sampling locations was laid out with a series of stakes. The stakes formed a grid pattern with points every 25 feet. The grid pattern is indicated on Figure 1.

Prior to removal of the soils, field characterization was performed on each six-inch lift as described in Section III. The boundaries of the three categories of soils, representing volatile organic compound concentrations of 0-50 ppm, 50-500 ppm and greater than 500 ppm, were determined and were delineated on the ground surface.

B. Removal of Soil

The soils were removed with a dozer, a 2 cubic yard front-end loader and a 3.5 cubic yard tracked loader. Ripper blades on the dozer were used to loosen compacted soils. The soils were pushed into piles where the front-end loader or the track loader was used to move the soils from the excavation. The soils were removed in 6-inch lifts at a time over the entire area. The soils were segregated in accordance with the work plan, and were placed in piles approximately three feet thick in an area to the northeast of the 317 former surface impoundment. A total of nine piles were created from the soils removed, representing those soils with volatile organic compound concentrations of 0-50 ppm and 50-500 ppm, from various soil horizons. Soils with volatile organic compound concentrations of greater than 500 ppm were hauled to a hazardous waste landfill.

C. Soil Removed to Landfill

Soils which exhibited organic vapors at levels greater than 500 ppm, as measured with an OVA meter, were removed from the excavation and shipped to a hazardous waste landfill. The manifests for transportation and disposal of these soils are included as Appendix D. Approximately 900 cubic yards of soil were disposed of in this manner.

III. CHARACTERIZATION

A. Purpose

The soils within the excavation were analyzed in the field with a portable OVA (Foxboro Organic Vapor Analyzer-Model 88) for the purpose of determining the extent of soils containing volatile organic hydrocarbons ("VOC"). In addition, soil samples were taken and analyzed in the laboratory by EPA Method 8240 to specifically identify the VOC.

Also, as a requirement of permission by the DHS to excavate the trench from 20 to 30 feet, four soil samples were taken at the 20 foot depth and analyzed for the presence of base-neutral-acid compounds (semi-volatile organics).

B. Sampling Locations

The sampling of soils was performed at the nodes of the grid pattern covering the excavation area. All samples taken for laboratory analysis were taken at the nodes and were labeled accordingly. In addition to the OVA sampling at the nodes, additional OVA sampling was performed between nodes to define the boundaries between soils with different levels of VOC. The levels of VOC at which the soils were segregated was: 0-50 ppm, 50-500 ppm and greater than 500 ppm.

C. OVA Sampling Methodology

The OVA readings taken in the field both at the nodes of the grid and between nodes were all taken in a similar manner as described below:

A punch bar, 1/2 inch in diameter was driven into the soils to be sampled approximately 12 inches, and was then removed.

A 1/4 inch diameter polypropylene flexible probe of the OVA was immediately inserted into the boring created by the punch bar. The surface of the boring was sealed off by a plastic washer connected to the probe.

The probe was left in the boring for approximately 30 seconds and the highest OVA reading recorded was then recorded in the field log as the field OVA reading at the node sampled.

This method of field sampling was repeated at all accessible nodes within each 6-inch lift of the excavation. Additional readings were taken in the same manner at locations between the nodes. Once the entire surface of the excavation was sampled in this manner, the surface was then delineated with a spray paint to aid in separating the soils according to the predetermined levels of organic vapors.

The OVA was calibrated daily to a methane calibration standard gas at two concentrations.

D. <u>OVA Results</u>

A tabulation of the field OVA readings from each 6-inch lift of the excavation is given in Table 1. A fourth set of nodes was created when the excavation was widened 15 feet and the OVA readings from these additional lifts are given in Table 2. The OVA readings from Tables 1 and 2 are graphically represented on Figures 2 through 14. These figures are cross-sections through the excavation from the original ground surface to the bottom of the excavation. The figures have been colored to show levels of VOC corresponding to OVA readings of 0-50 ppm (white), 50-500 ppm (blue), 500-2000 ppm (yellow) and greater than 2000 ppm (orange). Figure 1 shows the location of each cross-section.

The range of OVA readings was 0 ppm to 10,000 ppm above background.

E. Samples Obtained for Laboratory Analysis

Soil samples were taken from each lift to verify the field procedures of soil characterization. Samples were taken at the nodes of both high and low OVA readings. An OVA reading was taken in close proximity to the exact point from which the soil sample was taken. The samples were taken in stainless steel or brass sleeves, driven into the soil by a hammer and sampling auger designed specifically for this type of sampling. Each sample was obtained, sealed and labeled in accordance with proper EPA protocol. The chain of custody documentation for these samples is included as Appendix E.

The laboratories utilized for the analysis of the soil samples were FGL Environmental of Santa Paula, California and Centrum Analytical of Redlands, California. All samples were analyzed by EPA Method 8240. The laboratory reports for the samples are included as Appendix F. A tabulation of the laboratory results are given in Tables 2, 3 and 4. These tables list all of the organic compounds that were detected in the EPA Method 8240 analysis. In addition to the specific volatile organic compounds determined in each sample, the field OVA reading taken from the sample area is also indicated on Tables 2, 3 and 4. Tables 2 and 3 give the laboratory results for the samples taken at high nodes in the 15 foot extension and the main excavation, respectively. Table 4 gives the laboratory results for samples taken at low nodes within the main excavation.

F. Verification of Field Characterization Procedure

The soil samples analyzed by EPA Method 8240 verified that the field procedure for characterizing the presence and extent of VOC is a reliable procedure. This can be seen by comparing the samples taken from the high nodes with samples taken from the low nodes.

The samples analyzed from the high nodes typically contained between 4 and 10 different volatile organic compounds at concentrations up to 13,000 ppm.. The totalized concentration of VOC was on the average 1,000 to 1,600 times less than the OVA reading taken at the sample location.

The samples analyzed from the low nodes typically contained 1 or 2 volatile organic compounds at concentrations less than 1 ppm. The totalized VOC concentration was on the average 300 times less than the OVA reading at the sample location.

The relative difference between the field and laboratory results can be accounted for by the inherent differences between the two sampling and testing methodologies.

G. Extent of Soils Containing Volatile Organic Hydrocarbons

As indicated above, Figures 2 through 14 indicate the boundaries of the organic compounds detected at the 317 former surface impoundment. The figures have been colored to differentiate different levels of the organic vapors detected. The boundaries are interpretations between discrete sampling nodes and show the organics to be centralized beneath the former surface impoundment area.

Figure 2 through 14 should be looked at in the following manner:

Figures 2 through 5 are for cross-sections I, II, III and IV looking from south to north.

Figures 6 through 14 are for cross-sections 2 through 10, looking from east to west.

As can be seen on these figures, the southern boundary of the horizontal extent of the organics has been well defined. This boundary coincides with the former slope that was located south of the former surface impoundment. The east and west boundaries have not been determined but appear to be close to the limits of the present excavation (see Figures 6 and 14). The horizontal extent in the north direction is not well defined by the results to date. An indication of the extent may be seen by the results of some additional sampling which took place at the 317 area. This sampling was taken in conjunction with the verification sampling for metals and organics at selected RCRA units, the results of which are detailed in a March 1988 report entitled, "Verification Sampling at Selected RCRA Units".

The verification sampling was a random sampling program and three of the random borings are located to the north of the former surface impoundment. Soil samples were taken at two soil horizons, 0-2 feet and 16-18 feet. The results from the three borings indicate that at the 16-18 foot soil horizon only three compounds in the low ppb range were detected and these were from one boring (#2092).

The entire vertical extent of contamination has not been determined. The results indicate that the extent of organic compounds extends vertically below the 30 foot elevation in a limited area.

H. Specific Organic Compounds Identified by Laboratory Analysis

The organic compounds detected in the laboratory analysis are listed in Tables 2, 3 and 4 and are given below.

Trans-1,2-Dichloroethylene	Tetrachloroethylene
1,1,1-Trichloroethane	Trichloroethylene
Acetone	Styrene
1,1,2-Trichloroethane	Toluene
Carbon Disulfide	Xylenes
Ethyl Benzene	Carbon Tetrachloride
Cloroform	Methyl Ethyl Ketone

The major organic compounds detected were trichloroethene and tetrachloroethylene with lesser concentrations of acetone, styrene and toluene. Nine additional organic compounds were detected at trace concentrations. The compounds found are typical of those used at the 317 area and are considered to be a definite profile of what may be found in any future extensions of the characterization process.

I. Other Analysis

As indicated above, organic compounds were analyzed by EPA Method 8240 from samples at two soil horizons at the 317 former surface impoundment pursuant to the approved Closure Plan Modifications. The details of this sampling have been described in a March 1988 report, entitled, "Verification Sampling at Selected RCRA Units". Table 13 from that report is reproduced herein as Table 5. The compounds detected in that analysis are consistent with those determined during the sampling which is the subject of this report.

J. Photographs

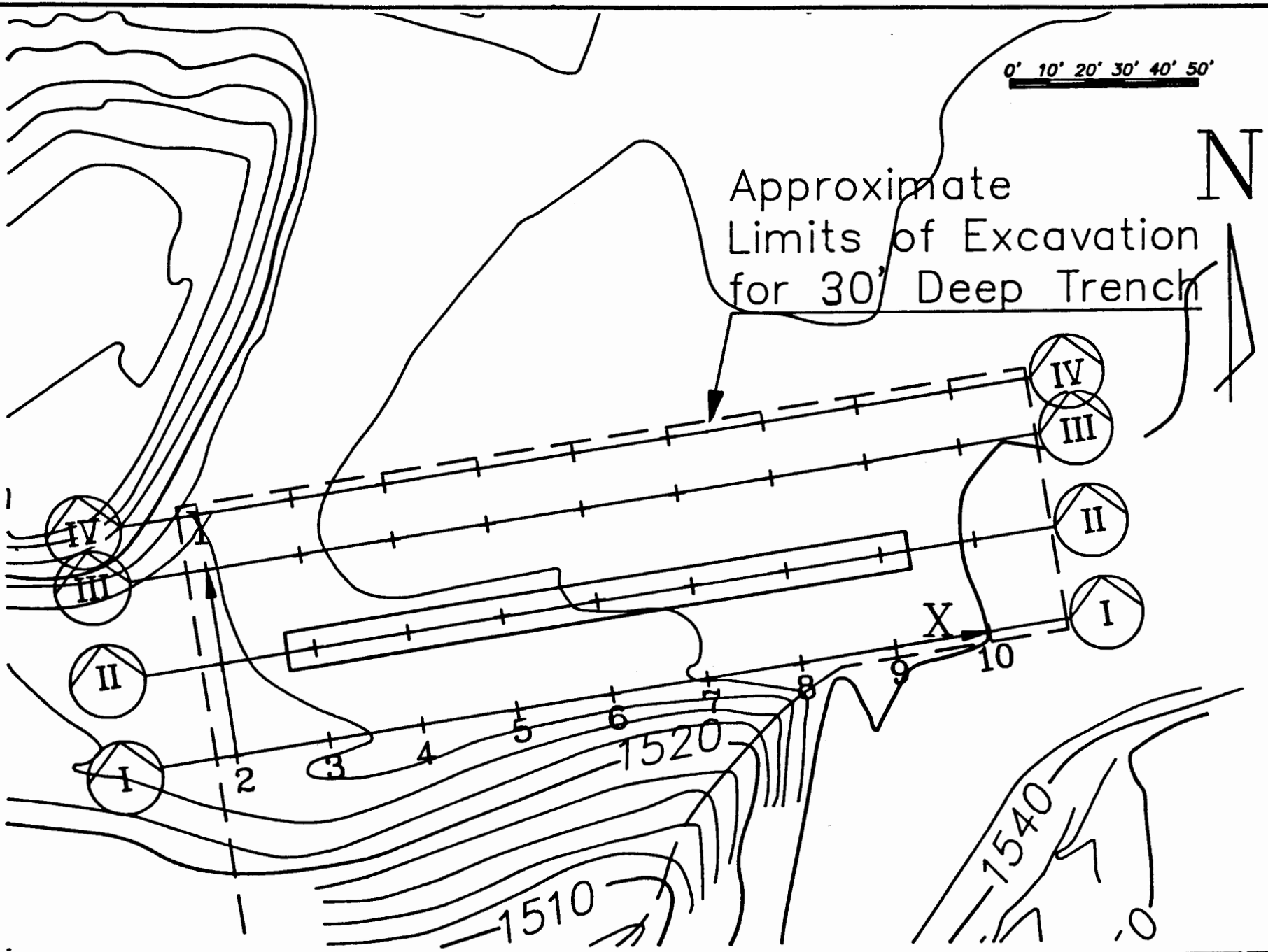
Photographs taken during the soil removal characterization are included as Appendix G.

IV. CONCLUSIONS

The method of field characterization of soils containing volatile organic hydrocarbons (VOC) used at the 317 area has been successfully demonstrated. Soils containing VOC have been identified and graphically portrayed. Laboratory analysis has identified the specific volatile organic compounds that exist in the soils and has given an indication of the actual concentration of the volatile organic compounds corresponding to the field measurements by the organic vapor analyzer.

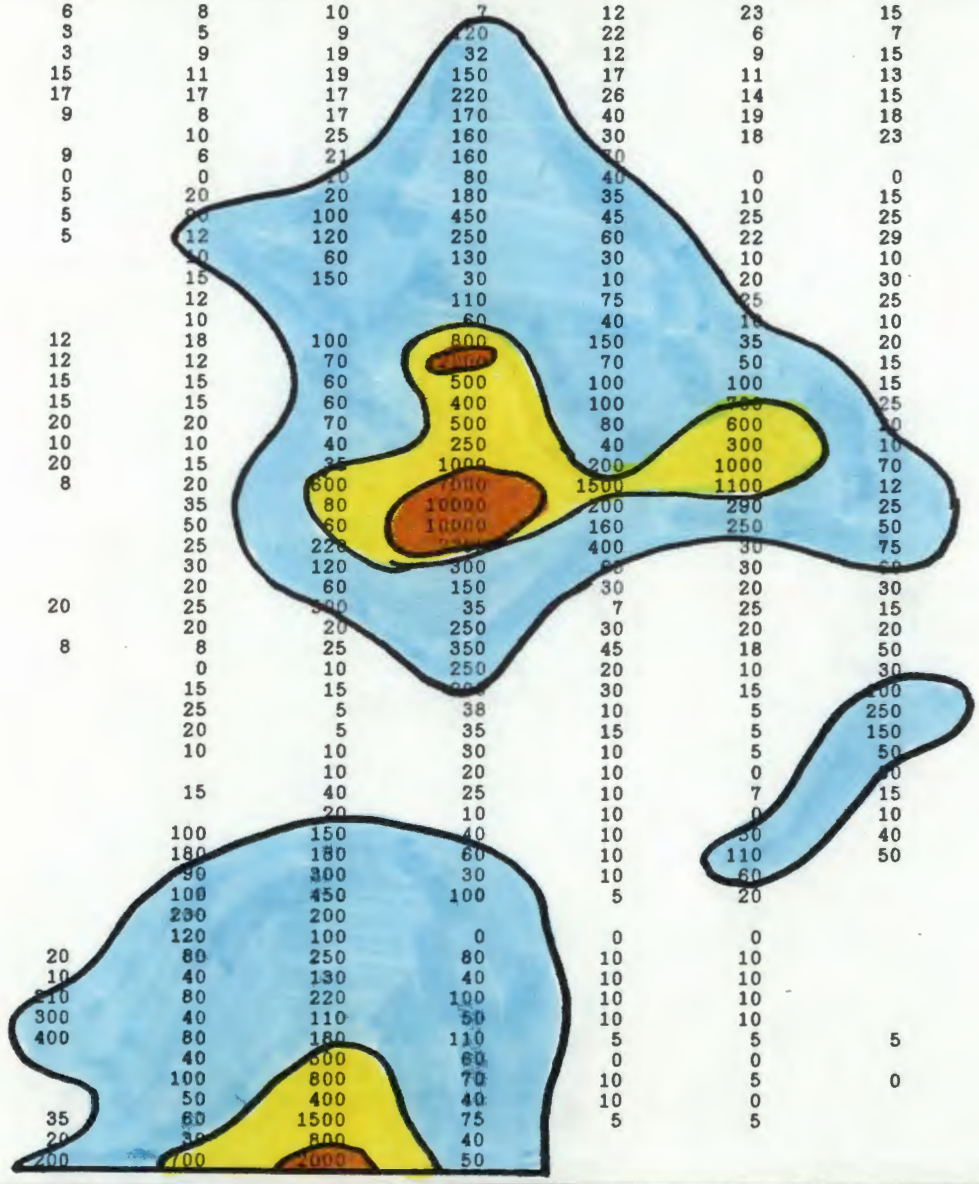
The horizontal extent of organic compounds in the soils at the 317 area has been determined on the south side of the area. Further definition to the north, east and west sides is needed to completely define the horizontal extent of the soils containing volatile organic compounds.

The vertical extent of the organic compounds has not yet been completely determined. Further vertical definition in selected areas is needed to fully characterize the 317 area.



BERMITE DIVISION - WHITTAKER CORPORATION	Consulting Engineers	MAR 88
Control Grid for Excavation and Sampling	Wenck Associates, Inc. Twelve Oaks Center 15500 Wayzata Blvd. Wayzata, MN 55391	Fig. 1

Lift No.	Depth Feet	X / Y	2 / 1	3 / 1	4 / 1	5 / 1	6 / 1	7 / 1	8 / 1	9 / 1	10 / 1
1	1.0		6	8	10	7	12	23	15	15	
2	1.5		3	5	9	120	22	6	7	9	
3	2.0		3	9	19	32	12	9	15	10	3
4	2.5		15	11	19	150	17	11	13	10	3
5	3.0		17	17	17	220	26	14	15	21	3
6	3.5		9	8	17	170	40	19	18	25	3
7	4.0			10	25	160	30	18	23	15	12
8	4.5		9	6	21	160	70				
9	5.0		0	0	10	80	40	0	0	0	
10	5.5		5	20	20	180	35	10	15	20	
11	6.0		5	80	100	450	45	25	25	19	6
12	6.5		5	12	120	250	60	22	29	23	15
13	7.0			10	60	130	30	10	10	10	10
14	7.5			15	150	30	10	20	30	20	
15	8.0			12		110	75	25	25	20	
16	8.5			10		60	40	10	10	10	0
17	9.0		12	18	100	800	150	35	20	30	25
18	9.5		12	12	70	[illegible]	70	50	15	25	15
19	10.0		15	15	60	500	100	100	15	20	15
20	10.5		15	15	60	400	100	750	25	28	
21	11.0		20	20	70	500	80	600	10	30	
22	11.5		10	10	40	250	40	300	10	20	0
23	12.0		20	15	35	1000	200	1000	70	20	30
24	12.5		8	20	600	7000	1500	1100	12	9	25
25	13.0			35	80	10000	200	290	25	20	
26	13.5			50	60	10000	160	250	50	20	
27	14.0			25	220	[illegible]	400	30	75	90	55
28	14.5			30	120	300	60	30	60	30	
29	15.0			20	60	150	30	20	30	20	
30	15.5		20	25	500	35	7	25	15		
31	16.0			20	20	250	30	20	20	10	
32	16.5		8	8	25	350	45	18	50	8	
33	17.0			0	10	250	20	10	30	0	
34	17.5			15	15	[illegible]	30	15	100	7	
35	18.0			25	5	38	10	5	250	5	
36	18.5			20	5	35	15	5	150	5	
37	19.0			10	10	30	10	5	50		
38	19.5				10	20	10	0	20		
39	20.0			15	40	25	10	7	15	5	
49	20.5				20	10	10	0	10		
41	21.0			100	150	40	10	30	40		
42	21.5			180	180	60	10	110	50		
43	22.0			90	300	30	10	60			
44	22.5			100	450	100	5	20			
45	23.0			230	200						
46	23.5			120	100	0	0	0			
47	24.0		20	80	250	80	10	10			
48	24.5		10	40	130	40	10	10			
49	25.0		510	80	220	100	10	10			
50	25.5		300	40	110	50	10	10			
51	26.0		400	80	180	110	5	5	5		
52	26.5			40	300	60	0	0			
53	27.0			100	800	70	10	5	0		
54	27.5			50	400	40	10	0			
55	28.0		35	60	1500	75	5	5			
56	28.5		20	30	800	40					
57	29.0		200	700	2000	50					

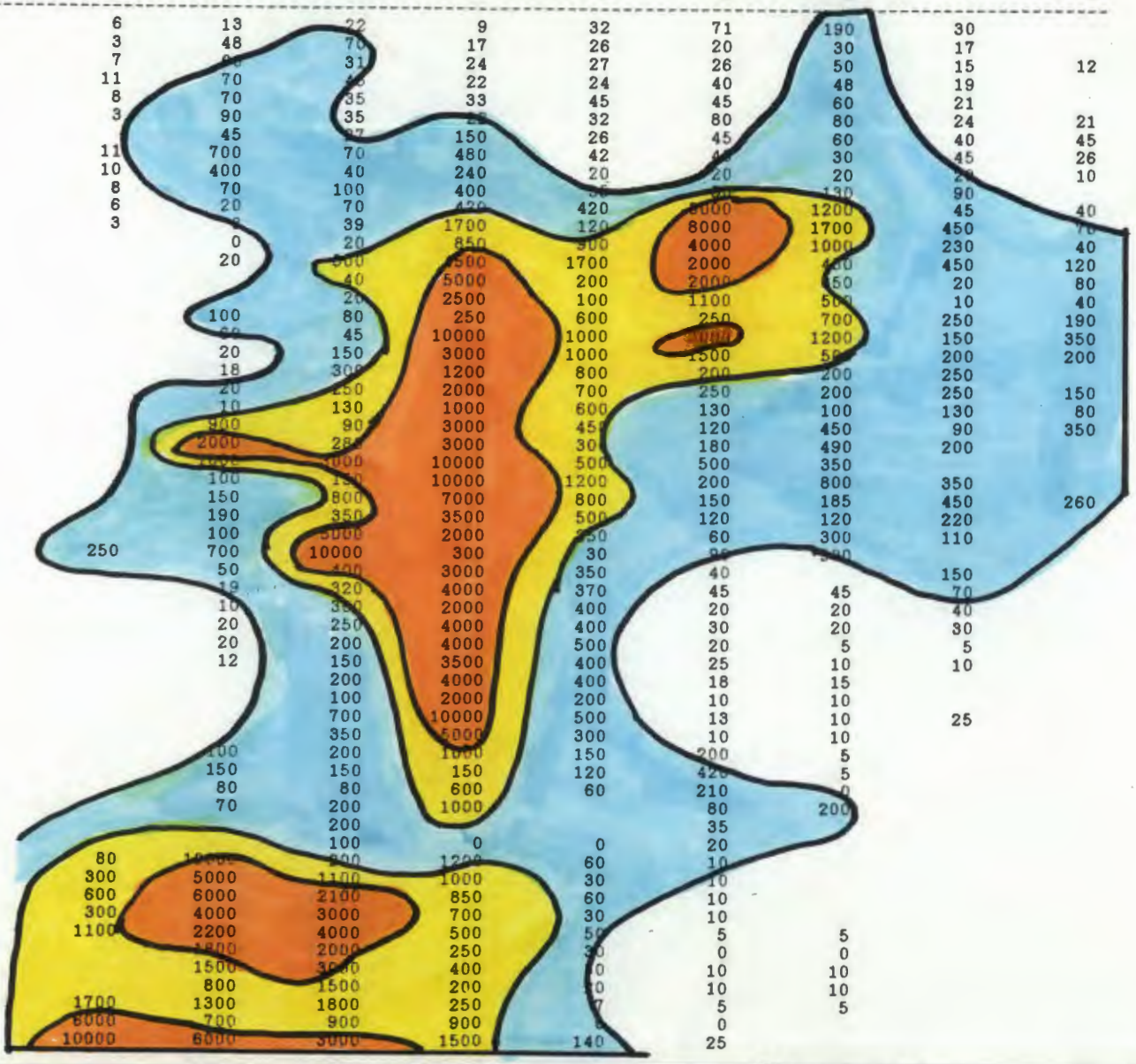


Bermite Division, Whittaker Corporation	Wenck Associates, Inc.	Consulting Engineers Twelve Oaks Center 15500 Wayzata Blvd. Wayzata, MN 55391	Mar.88
Results of 317 Soil Removal, Field O.V.A. Results			Fig.2

Date: 27-Feb-88

Section II

Lift No.	Depth Feet	X / Y	2 / 2	3 / 2	4 / 2	5 / 2	6 / 2	7 / 2	8 / 2	9 / 2	10 / 2
1	1.0		6	13	22	9	32	71	190	30	
2	1.5		3	48	70	17	26	20	30	17	
3	2.0		7	[illegible]	31	24	27	26	50	15	12
4	2.5		11	70	[illegible]	22	24	40	48	19	
5	3.0		8	70	35	33	45	45	60	21	
6	3.5		3	90	35	[illegible]	32	80	80	24	21
7	4.0			45	[illegible]	150	26	45	60	40	45
8	4.5		11	700	70	480	42	[illegible]	30	45	26
9	5.0		10	400	40	240	20	20	20	[illegible]	10
10	5.5		8	70	100	400	[illegible]	[illegible]	130	90	
11	6.0		6	20	70	420	420	[illegible]	1200	45	40
12	6.5		3	[illegible]	39	1700	120	8000	1700	450	[illegible]
13	7.0			0	20	850	900	4000	1000	230	40
14	7.5			20	[illegible]	[illegible]	1700	2000	[illegible]	450	120
15	8.0				40	5000	200	[illegible]	[illegible]	20	80
16	8.5				20	2500	100	1100	[illegible]	10	40
17	9.0			100	80	250	600	250	700	250	190
18	9.5			[illegible]	45	10000	1000	[illegible]	1200	150	350
19	10.0			20	150	3000	1000	1500	[illegible]	200	200
20	10.5			18	[illegible]	1200	800	200	200	250	
21	11.0			20	250	2000	700	250	200	250	150
22	11.5			10	130	1000	600	130	100	130	80
23	12.0			[illegible]	[illegible]	3000	[illegible]	120	450	90	350
24	12.5			2000	[illegible]	3000	[illegible]	180	490	200	
25	13.0			[illegible]	[illegible]	10000	500	500	350		
26	13.5			100	[illegible]	10000	1200	200	800	350	
27	14.0			150	[illegible]	7000	800	150	185	450	260
28	14.5			190	350	3500	500	120	120	220	
29	15.0			100	[illegible]	2000	[illegible]	60	300	110	
30	15.5		250	700	10000	300	30	[illegible]	[illegible]		
31	16.0			50	[illegible]	3000	350	40		150	
32	16.5			[illegible]	320	4000	370	45	45	[illegible]	
33	17.0			[illegible]	[illegible]	2000	400	20	20	40	
34	17.5			20	250	4000	400	30	20	30	
35	18.0			20	200	4000	500	20	5	5	
36	18.5			12	150	3500	400	25	10	10	
37	19.0				200	4000	400	18	15		
38	19.5				100	2000	200	10	10		
39	20.0				700	10000	500	13	10	25	
49	20.5				350	[illegible]	300	10	10		
41	21.0			[illegible]	200	[illegible]	150	[illegible]	5		
42	21.5			150	150	150	120	[illegible]	5		
43	22.0			80	80	600	60	210	[illegible]		
44	22.5			70	200	1000		80	200		
45	23.0				200			35			
46	23.5				100	0	0	20			
47	24.0		80	[illegible]	[illegible]	[illegible]	60	[illegible]			
48	24.5		300	5000	1100	1000	30	[illegible]			
49	25.0		600	6000	2100	850	60	10			
50	25.5		300	4000	3000	700	30	10			
51	26.0		1100	2200	4000	500	[illegible]	5	5		
52	26.5			[illegible]	[illegible]	250	[illegible]	0	0		
53	27.0			1500	[illegible]	400	[illegible]	10	10		
54	27.5			800	1500	200	[illegible]	10	10		
55	28.0		1700	1300	1800	250	[illegible]	5	5		
56	28.5		[illegible]	700	900	900	[illegible]	0			
57	29.0		10000	6000	3000	1500	140	25			



Bermite Division, Whittaker Corporation

Results of 317 Soil Removal, Field O.V.A. Results

Wenck Associates, Inc.

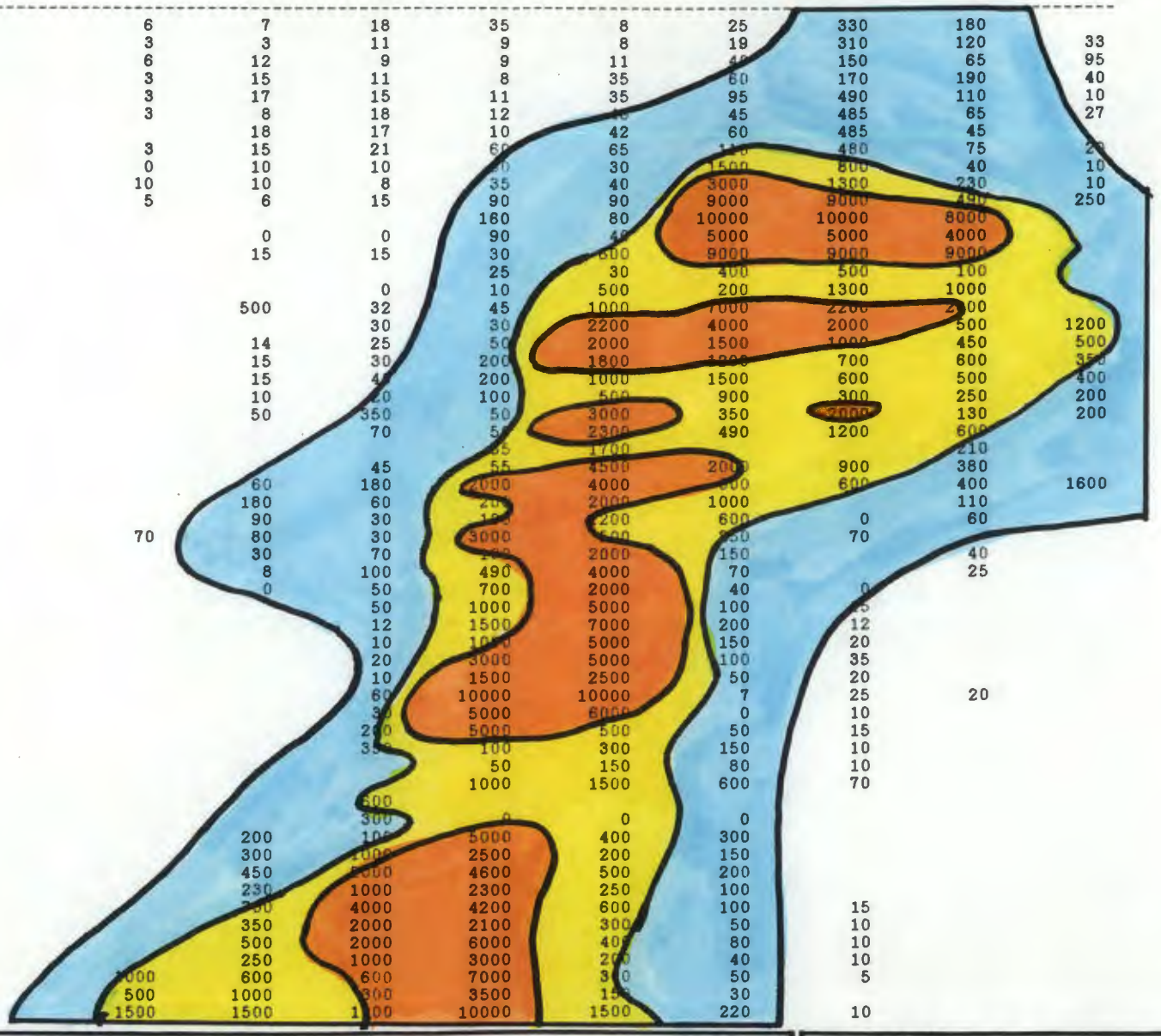
Consulting Engineers

Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

Mar.88

Fig. 3

Lift No.	Depth Feet	X Y	2 3	3 3	4 3	5 3	6 3	7 3	8 3	9 3	10 3
1	1.0		6	7	18	35	8	25	330	180	
2	1.5		3	3	11	9	8	19	310	120	33
3	2.0		6	12	9	9	11	40	150	65	95
4	2.5		3	15	11	8	35	60	170	190	40
5	3.0		3	17	15	11	35	95	490	110	10
6	3.5		3	8	18	12	45	45	485	65	27
7	4.0			18	17	10	42	60	485	45	
8	4.5		3	15	21	60	65	110	480	75	20
9	5.0		0	10	10	90	30	1500	800	40	10
10	5.5		10	10	8	35	40	3000	1300	230	10
11	6.0		5	6	15	90	90	9000	9000	490	250
12	6.5					160	80	10000	10000	8000	
13	7.0			0	0	90	40	5000	5000	4000	
14	7.5			15	15	30	600	9000	9000	9000	
15	8.0					25	30	400	500	100	
16	8.5				0	10	500	200	1300	1000	
17	9.0			500	32	45	1000	7000	2200	2000	
18	9.5				30	30	2200	4000	2000	500	1200
19	10.0			14	25	50	2000	1500	1000	450	500
20	10.5			15	30	200	1800	1200	700	600	350
21	11.0			15	40	200	1000	1500	600	500	400
22	11.5			10	20	100	500	900	300	250	200
23	12.0			50	350	50	3000	350	2000	130	200
24	12.5				70	50	2300	490	1200	600	
25	13.0					55	1700			210	
26	13.5				45	55	4500	2000	900	380	
27	14.0			60	180	2000	4000	800	600	400	1600
28	14.5			180	60	200	2000	1000		110	
29	15.0			90	30	100	2200	600	0	60	
30	15.5		70	80	30	3000	500	350	70		
31	16.0			30	70	100	2000	150		40	
32	16.5			8	100	490	4000	70		25	
33	17.0			0	50	700	2000	40	0		
34	17.5				50	1000	5000	100	5		
35	18.0				12	1500	7000	200	12		
36	18.5				10	1000	5000	150	20		
37	19.0				20	3000	5000	100	35		
38	19.5				10	1500	2500	50	20		
39	20.0				60	10000	10000	7	25	20	
49	20.5				30	5000	6000	0	10		
41	21.0				200	5000	500	50	15		
42	21.5				35	100	300	150	10		
43	22.0					50	150	80	10		
44	22.5					1000	1500	600	70		
45	23.0				500						
46	23.5				300	0	0	0			
47	24.0			200	100	5000	400	300			
48	24.5			300	1000	2500	200	150			
49	25.0			450	5000	4600	500	200			
50	25.5			230	1000	2300	250	100			
51	26.0			200	4000	4200	600	100	15		
52	26.5			350	2000	2100	300	50	10		
53	27.0			500	2000	6000	400	80	10		
54	27.5			250	1000	3000	200	40	10		
55	28.0		1000	600	600	7000	300	50	5		
56	28.5		500	1000	300	3500	150	30			
57	29.0		1500	1500	1100	10000	1500	220	10		



Bermite Division, Whittaker Corporation

Results of 317 Soil Removal, Field O.V.A. Results

Wenck Associates, Inc.

Consulting Engineers

Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

Mar.88

Fig.4

Lift No.	Depth Feet	X Y	2 4	3 4	4 4	5 4	6 4	7 4	8 4	9 4	10 4
1	1.0		3	3	3	6	20	15	90	500	2000
2	1.5		3	3	3	10	40	210	1400	1200	
3	2.0		3	7	10	60	250	400	2100	2600	
4	2.5		3	6	20	55	350	400	2200	2400	
5	3.0		3	11	18	240	600	1100	3200	2800	
6	3.5		3	14	100	280	420	1100	2600	2400	
7	4.0		2	11	70	260	300	1300	2400	2800	
8	4.5		4	13	120	300	450	2000	2900	2750	
9	5.0		5	20	240	450	450	1900	3000	2840	
10	5.5		7	20	50	400	6000	2400	3200	700	
11	6.0		7	70	20	200	260	3200	2900	1100	1500
12	6.5		7	10	70	170	4500	7000	4000	3000	
13	7.0		4	8	350	2000	3200	8000	10000	3500	
14	7.5		70	450	1200	6000	8000	10000	10000	7000	
15	8.0		16	25	200	140	1400	9100	1900	9700	
16	8.5			5	300	1200	110	400	600	1200	800
17	9.0			0	150	600	60	200	500	600	400
18	9.5			12	18	30	250	200	450	1200	350
19	10.0			10	10	20	250	100	230	700	250
20	10.5			15	30	50	350	1200	450	350	200
21	11.0				20	30	1600	600	800	180	100
22	11.5				350	70	5000	2000	1900	250	900
23	12.0				180	40	1500	2500	600	600	
24	12.5				150	150	4000	2900	3000	1000	
25	13.0					200	4000	3500	3000	800	600
26	13.5					300	4000	4000	3000	700	550
27	14.0				100	200	4000	3000	2500	600	450
28	14.5					190	3000	3700	2000	550	400
29	15.0				45	150	2000	2500	1500	500	350
30	15.5					45	3000	2800	1800	400	
31	16.0				20	30	5000	3000	2000	500	300
32	16.5					20	2500	1500	1000	150	150
33	17.0				45	70	7000	3000	1000	200	150
34	17.5					40	3500	1700	500	100	80
35	18.0				35	50	5000	450	100	50	70
36	18.5										
37	19.0						3500				
38	19.5										
39	20.0										
49	20.5										
41	21.0										
42	21.5										
43	22.0										
44	22.5										
45	23.0										
46	23.5										
47	24.0										
48	24.5										
49	25.0										
50	25.5										
51	26.0										
52	26.5										
53	27.0										
54	27.5										
55	28.0										
56	28.5										
57	29.0										

Bermite Division, Whittaker Corporation

Results of 317 Soil Removal, Field O.V.A. Results

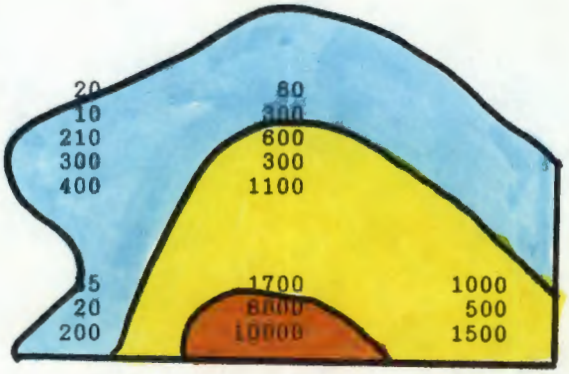
Wenck Associates, Inc.
Consulting Engineers
Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

Mar.88

Fig.5

Date: 27-Feb-88 Section 2 Page: 1

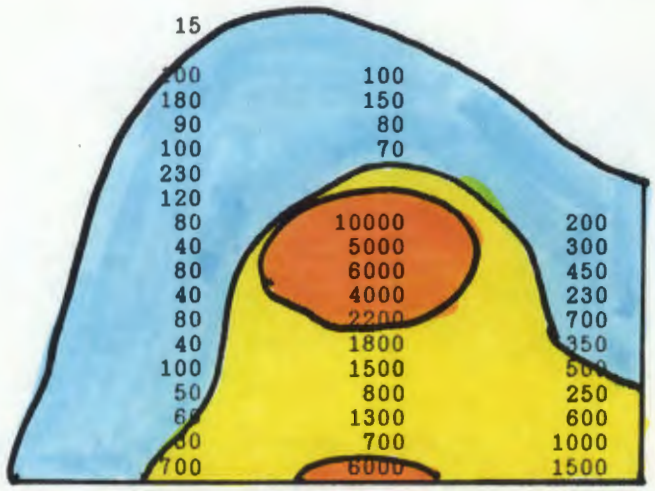
Lift No.	Depth Feet	X Y	2 1	2 2	2 3	2 4
1	1.0		6	6	6	3
2	1.5		3	3	3	3
3	2.0		3	7	6	3
4	2.5		15	11	3	3
5	3.0		17	8	3	3
6	3.5		9	3	3	3
7	4.0					2
8	4.5		9	11	3	4
9	5.0		0	10	0	5
10	5.5		5	8	10	7
11	6.0		5	6	5	7
12	6.5		5	3		7
13	7.0					4
14	7.5					70
15	8.0					16
16	8.5					
17	9.0		12			
18	9.5		12			
19	10.0		15			
20	10.5		15			
21	11.0		20			
22	11.5		10			
23	12.0		20			
24	12.5		8			
25	13.0					
26	13.5					
27	14.0					
28	14.5					
29	15.0					
30	15.5		20	250	70	
31	16.0					
32	16.5		8			
33	17.0					
34	17.5					
35	18.0					
36	18.5					
37	19.0					
38	19.5					
39	20.0					
49	20.5					
41	21.0					
42	21.5					
43	22.0					
44	22.5					
45	23.0					
46	23.5					
47	24.0		20	80		
48	24.5		10	300		
49	25.0		210	600		
50	25.5		300	300		
51	26.0		400	1100		
52	26.5					
53	27.0					
54	27.5					
55	28.0		5	1700	1000	
56	28.5		20	8000	500	
57	29.0		200	10000	1500	



Bermite Division, Whittaker Corporation	WAI Consulting Engineers	Mar. 88
Results of 317 Soil Removal, Field OVA	Twelve Oaks Center 15500 Wayzata Blvd	Fig.6

Date: 27-Feb-88 Section 3 Page: 1

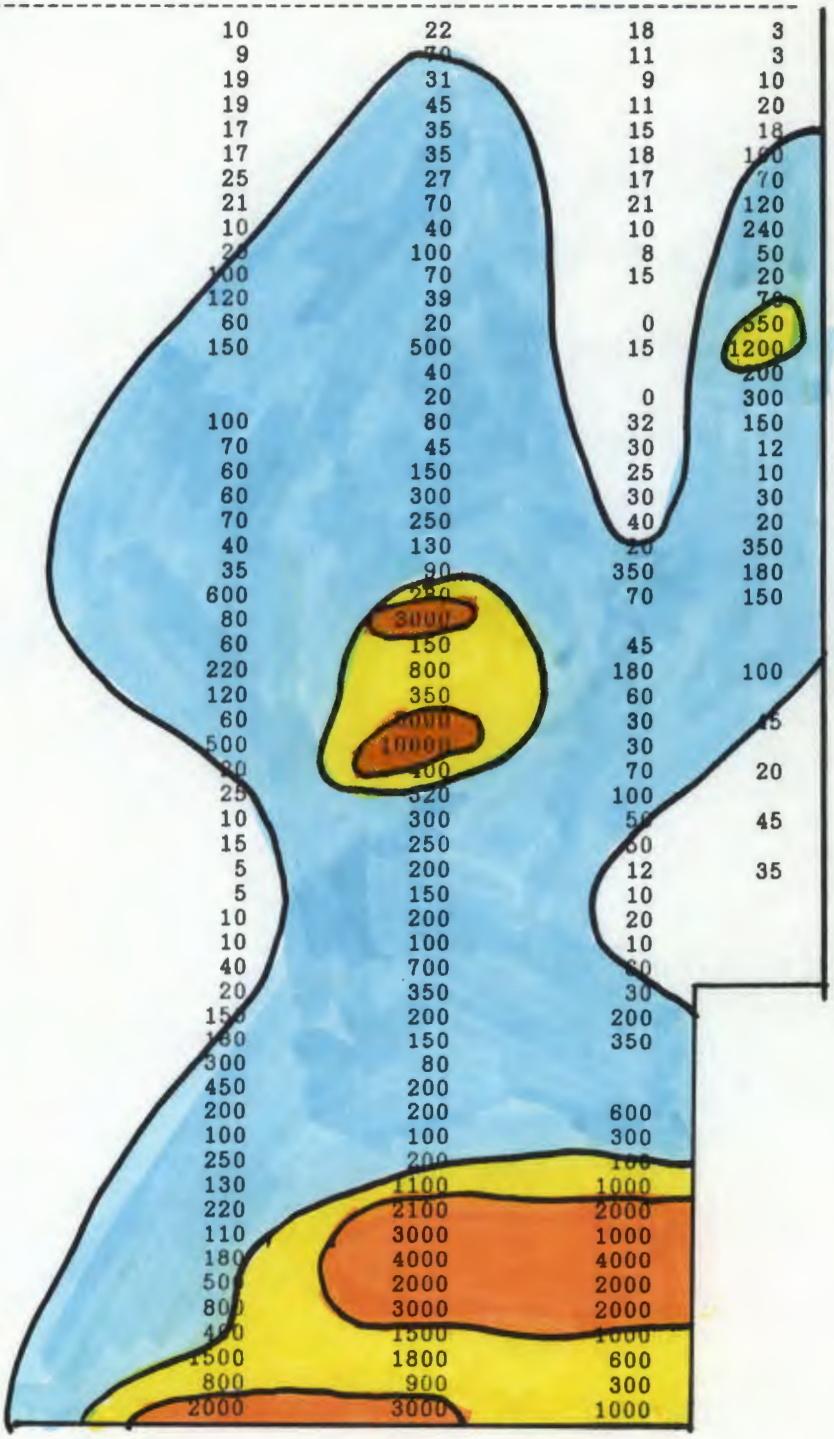
Lift No.	Depth Feet	X Y	3 1	3 2	3 3	3 4
1	1.0		8	13	7	3
2	1.5		5	48	3	3
3	2.0		9	60	12	7
4	2.5		11	70	15	6
5	3.0		17	70	17	11
6	3.5		8	90	8	14
7	4.0		10	45	18	11
8	4.5		6	700	15	13
9	5.0		0	400	10	20
10	5.5		20	70	10	20
11	6.0		90	20	6	70
12	6.5		12	8		10
13	7.0		10	0	0	9
14	7.5		15	20	15	450
15	8.0		12			25
16	8.5		10			5
17	9.0		18	100	500	0
18	9.5		12	60		12
19	10.0		15	20	14	10
20	10.5		15	18	15	15
21	11.0		20	20	15	
22	11.5		10	[illegible]	10	
23	12.0		15	900	50	
24	12.5		20	[illegible]		
25	13.0		35	1000		
26	13.5		50	100		
27	14.0		25	150	60	
28	14.5		30	190	180	
29	15.0		20	100	90	
30	15.5		25	700	80	
31	16.0		20	50	30	
32	16.5		8	19	8	
33	17.0		0	10	0	
34	17.5		15	20		
35	18.0		25	20		
36	18.5		20	12		
37	19.0		10			
38	19.5					
39	20.0		15			
49	20.5					
41	21.0		100	100		
42	21.5		180	150		
43	22.0		90	80		
44	22.5		100	70		
45	23.0		230			
46	23.5		120			
47	24.0		80	10000	200	
48	24.5		40	5000	300	
49	25.0		80	6000	450	
50	25.5		40	4000	230	
51	26.0		80	2200	700	
52	26.5		40	1800	350	
53	27.0		100	1500	500	
54	27.5		50	800	250	
55	28.0		60	1300	600	
56	28.5		80	700	1000	
57	29.0		700	6000	1500	



Bermite Division, Whittaker Corporation	Consulting Engineers	Mar. 88
Results of 317 Soil Removal, Field OVA	Twelve Oaks Center 15500 Wayzata Blvd	Fig. 7

Date: 27-Feb-88 Section 4 Page: 1

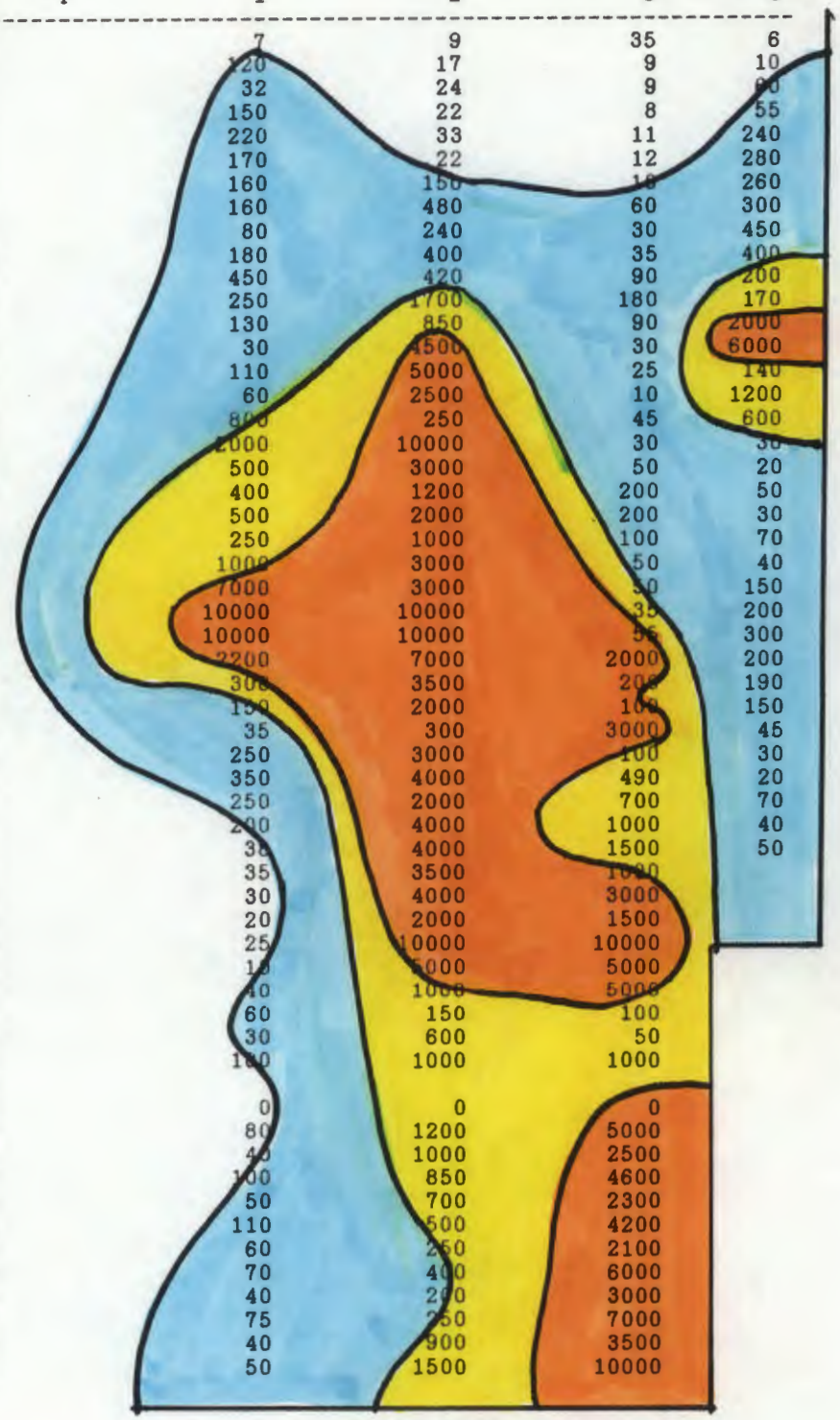
Lift No.	Depth Feet	X Y	4 1	4 2	4 3	4 4
1	1.0		10	22	18	3
2	1.5		9	50	11	3
3	2.0		19	31	9	10
4	2.5		19	45	11	20
5	3.0		17	35	15	18
6	3.5		17	35	18	100
7	4.0		25	27	17	70
8	4.5		21	70	21	120
9	5.0		10	40	10	240
10	5.5		20	100	8	50
11	6.0		100	70	15	20
12	6.5		120	39		70
13	7.0		60	20	0	550
14	7.5		150	500	15	1200
15	8.0			40		200
16	8.5			20	0	300
17	9.0		100	80	32	150
18	9.5		70	45	30	12
19	10.0		60	150	25	10
20	10.5		60	300	30	30
21	11.0		70	250	40	20
22	11.5		40	130	20	350
23	12.0		35	90	350	180
24	12.5		600	250	70	150
25	13.0		80	3000		
26	13.5		60	150	45	
27	14.0		220	800	180	100
28	14.5		120	350	60	
29	15.0		60	5000	30	15
30	15.5		500	10000	30	
31	16.0		20	400	70	20
32	16.5		25	320	100	
33	17.0		10	300	50	45
34	17.5		15	250	50	
35	18.0		5	200	12	35
36	18.5		5	150	10	
37	19.0		10	200	20	
38	19.5		10	100	10	
39	20.0		40	700	60	
49	20.5		20	350	30	
41	21.0		150	200	200	
42	21.5		180	150	350	
43	22.0		300	80		
44	22.5		450	200		
45	23.0		200	200	600	
46	23.5		100	100	300	
47	24.0		250	200	100	
48	24.5		130	1100	1000	
49	25.0		220	2100	2000	
50	25.5		110	3000	1000	
51	26.0		180	4000	4000	
52	26.5		500	2000	2000	
53	27.0		800	3000	2000	
54	27.5		400	1500	1000	
55	28.0		1500	1800	600	
56	28.5		800	900	300	
57	29.0		2000	3000	1000	



Bermite Division, Whittaker Corporation	WAI Consulting Engineers		Mar. 88
Results of 317 Soil Removal, Field OVA	WAI	Twelve Oaks Center 15500 Wayzata Blvd.	Fig.8

Date: 27-Feb-88 Section 5 Page: 1

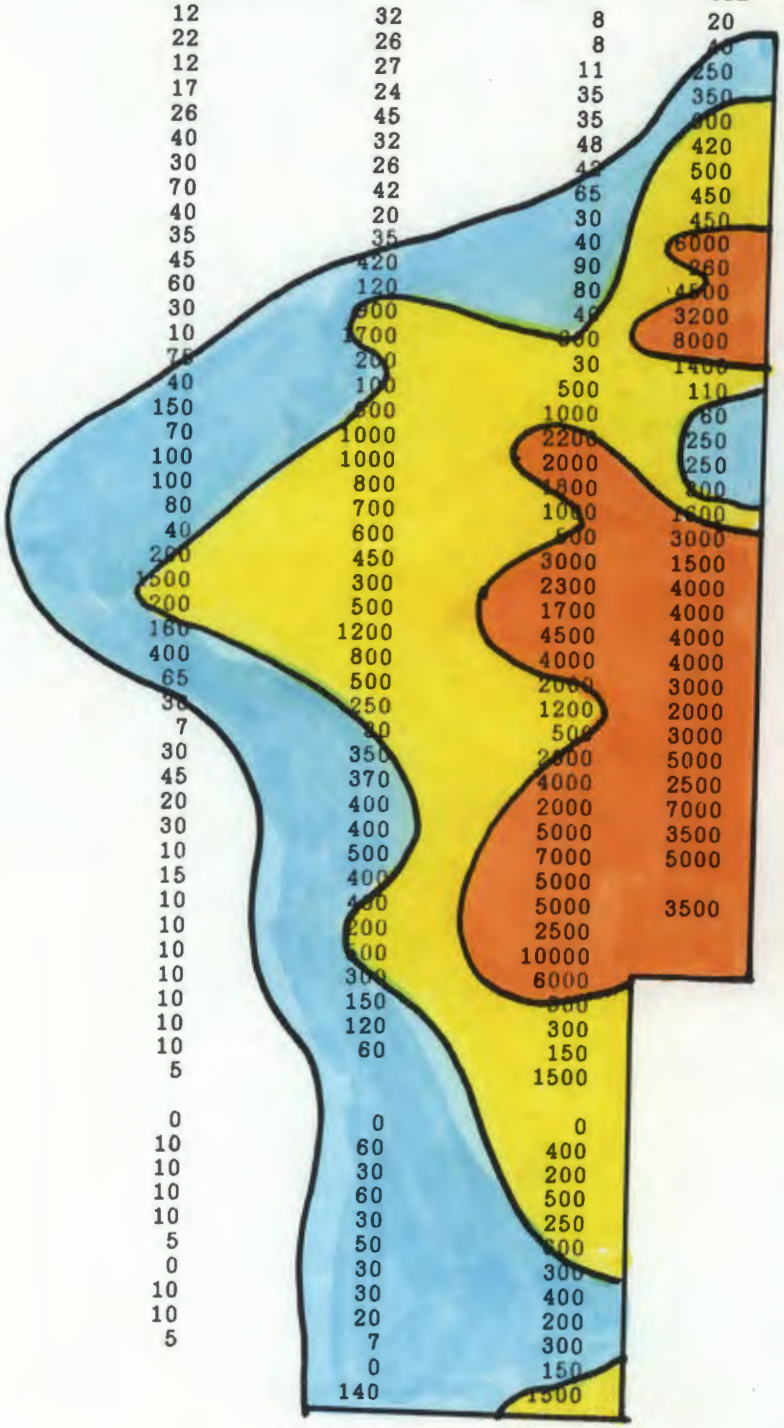
Lift No.	Depth Feet	X Y	5 1	5 2	5 3	5 4
1	1.0		7	9	35	6
2	1.5		120	17	9	10
3	2.0		32	24	9	80
4	2.5		150	22	8	55
5	3.0		220	33	11	240
6	3.5		170	22	12	280
7	4.0		160	150	10	260
8	4.5		160	480	60	300
9	5.0		80	240	30	450
10	5.5		180	400	35	400
11	6.0		450	420	90	200
12	6.5		250	1700	180	170
13	7.0		130	850	90	2000
14	7.5		30	4500	30	6000
15	8.0		110	5000	25	140
16	8.5		60	2500	10	1200
17	9.0		800	250	45	600
18	9.5		2000	10000	30	30
19	10.0		500	3000	50	20
20	10.5		400	1200	200	50
21	11.0		500	2000	200	30
22	11.5		250	1000	100	70
23	12.0		1000	3000	50	40
24	12.5		7000	3000	50	150
25	13.0		10000	10000	35	200
26	13.5		10000	10000	50	300
27	14.0		2200	7000	2000	200
28	14.5		300	3500	200	190
29	15.0		150	2000	100	150
30	15.5		35	300	3000	45
31	16.0		250	3000	100	30
32	16.5		350	4000	490	20
33	17.0		250	2000	700	70
34	17.5		200	4000	1000	40
35	18.0		30	4000	1500	50
36	18.5		35	3500	1000	
37	19.0		30	4000	3000	
38	19.5		20	2000	1500	
39	20.0		25	10000	10000	
40	20.5		10	5000	5000	
41	21.0		40	1000	5000	
42	21.5		60	150	100	
43	22.0		30	600	50	
44	22.5		100	1000	1000	
45	23.0					
46	23.5		0	0	0	
47	24.0		80	1200	5000	
48	24.5		40	1000	2500	
49	25.0		100	850	4600	
50	25.5		50	700	2300	
51	26.0		110	500	4200	
52	26.5		60	250	2100	
53	27.0		70	400	6000	
54	27.5		40	200	3000	
55	28.0		75	250	7000	
56	28.5		40	900	3500	
57	29.0		50	1500	10000	



Bermite Division, Whittaker Corporation	WAI	Consulting Engineers	Mar. 88
Results of 317 Soil Removal, Field OVA	WAI	Twelve Oaks Center 15500 Wayzata Blvd	Fig. 9

Date: 27-Feb-88 Section 6 Page: 1

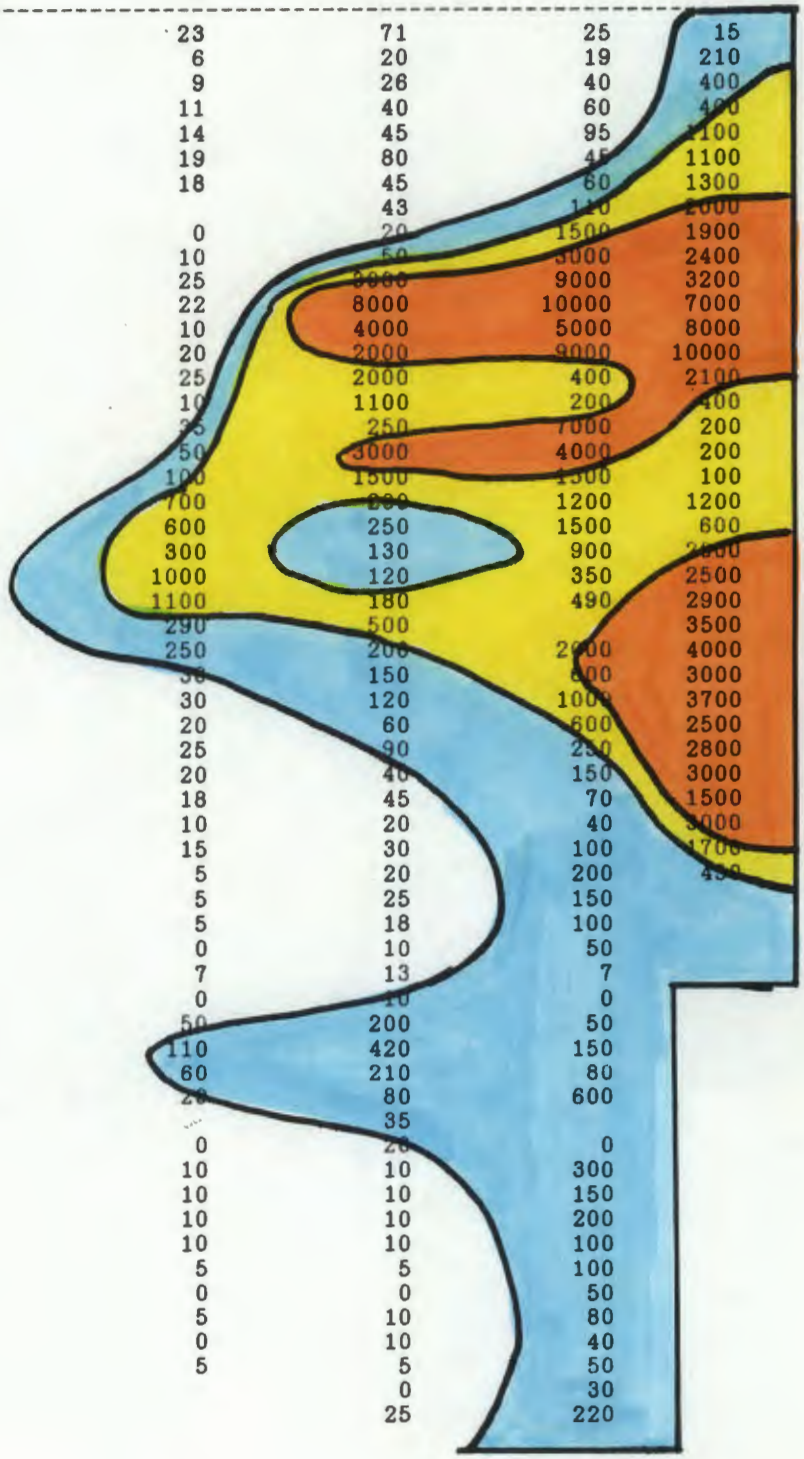
Lift No.	Depth Feet	X Y	6 1	6 2	6 3	6 4
1	1.0		12	32	8	20
2	1.5		22	26	8	40
3	2.0		12	27	11	250
4	2.5		17	24	35	350
5	3.0		26	45	35	600
6	3.5		40	32	48	420
7	4.0		30	26	42	500
8	4.5		70	42	65	450
9	5.0		40	20	30	450
10	5.5		35	35	40	6000
11	6.0		45	420	90	860
12	6.5		60	120	80	4500
13	7.0		30	900	40	3200
14	7.5		10	1700	800	8000
15	8.0		75	200	30	1400
16	8.5		40	100	500	110
17	9.0		150	500	1000	80
18	9.5		70	1000	2200	250
19	10.0		100	1000	2000	250
20	10.5		100	800	1800	200
21	11.0		80	700	1000	1600
22	11.5		40	600	500	3000
23	12.0		200	450	3000	1500
24	12.5		1500	300	2300	4000
25	13.0		200	500	1700	4000
26	13.5		160	1200	4500	4000
27	14.0		400	800	4000	4000
28	14.5		65	500	2000	3000
29	15.0		35	250	1200	2000
30	15.5		7	80	500	3000
31	16.0		30	350	2000	5000
32	16.5		45	370	4000	2500
33	17.0		20	400	2000	7000
34	17.5		30	400	5000	3500
35	18.0		10	500	7000	5000
36	18.5		15	400	5000	
37	19.0		10	400	5000	3500
38	19.5		10	200	2500	
39	20.0		10	500	10000	
40	20.5		10	300	6000	
41	21.0		10	150	800	
42	21.5		10	120	300	
43	22.0		10	60	150	
44	22.5		5		1500	
45	23.0					
46	23.5		0	0	0	
47	24.0		10	60	400	
48	24.5		10	30	200	
49	25.0		10	60	500	
50	25.5		10	30	250	
51	26.0		5	50	600	
52	26.5		0	30	300	
53	27.0		10	30	400	
54	27.5		10	20	200	
55	28.0		5	7	300	
56	28.5			0	150	
57	29.0			140	1500	



Bermite Division, Whittaker Corporation	WAI	Consulting Engineers	Mar. 88
Results of 317 Soil Removal, Field OVA Results	WAI	Twelve Oaks Center 15500 Wayzata Blvd.	Fig. 10

Date: 27-Feb-88 Section 7 Page: 1

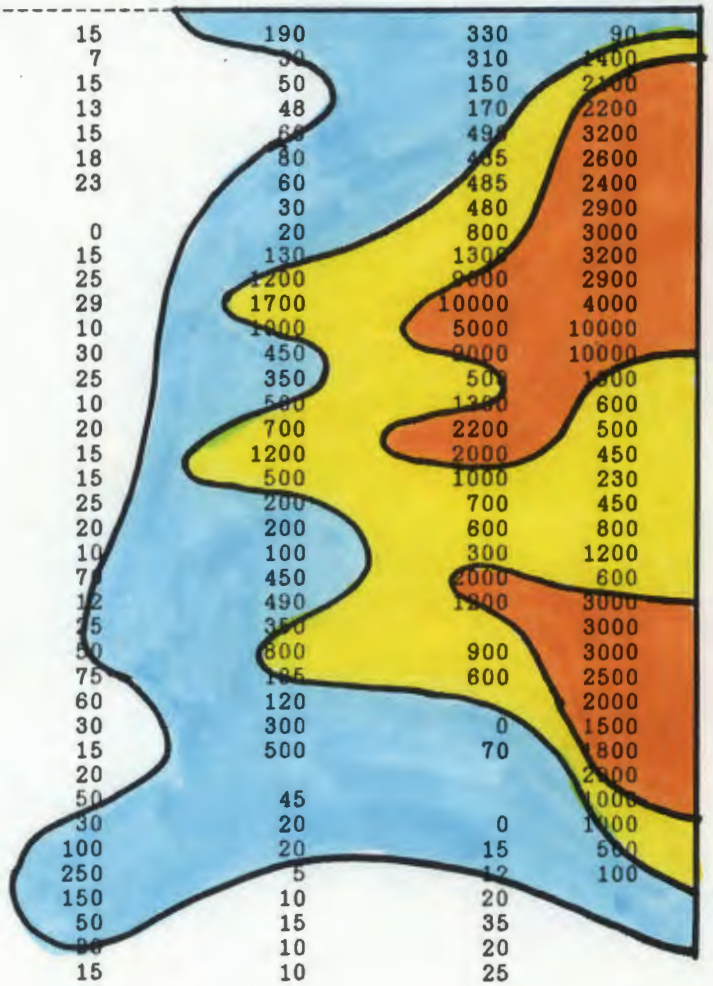
Lift No.	Depth Feet	X Y	7 1	7 2	7 3	7 4
1	1.0		23	71	25	15
2	1.5		6	20	19	210
3	2.0		9	26	40	400
4	2.5		11	40	60	400
5	3.0		14	45	95	1100
6	3.5		19	80	45	1100
7	4.0		18	45	60	1300
8	4.5			43	110	2000
9	5.0		0	20	1500	1900
10	5.5		10	50	3000	2400
11	6.0		25	3000	9000	3200
12	6.5		22	8000	10000	7000
13	7.0		10	4000	5000	8000
14	7.5		20	2000	9000	10000
15	8.0		25	2000	400	2100
16	8.5		10	1100	200	400
17	9.0		35	250	7000	200
18	9.5		50	3000	4000	200
19	10.0		100	1500	1500	100
20	10.5		700	200	1200	1200
21	11.0		600	250	1500	600
22	11.5		300	130	900	2000
23	12.0		1000	120	350	2500
24	12.5		1100	180	490	2900
25	13.0		290	500		3500
26	13.5		250	200	2000	4000
27	14.0		30	150	800	3000
28	14.5		30	120	1000	3700
29	15.0		20	60	600	2500
30	15.5		25	90	250	2800
31	16.0		20	40	150	3000
32	16.5		18	45	70	1500
33	17.0		10	20	40	3000
34	17.5		15	30	100	1700
35	18.0		5	20	200	450
36	18.5		5	25	150	
37	19.0		5	18	100	
38	19.5		0	10	50	
39	20.0		7	13	7	
40	20.5		0	10	0	
41	21.0		50	200	50	
42	21.5		110	420	150	
43	22.0		60	210	80	
44	22.5		20	80	600	
45	23.0			35		
46	23.5		0	20	0	
47	24.0		10	10	300	
48	24.5		10	10	150	
49	25.0		10	10	200	
50	25.5		10	10	100	
51	26.0		5	5	100	
52	26.5		0	0	50	
53	27.0		5	10	80	
54	27.5		0	10	40	
55	28.0		5	5	50	
56	28.5			0	30	
57	29.0			25	220	



Bermite Division, Whittaker Corporation	WAI	Consulting Engineers	Mar. 88
Results of 317 Soil Removal, Field OVA		Twelve Oaks Center 15500 Wayzata Blvd.	Fig.11

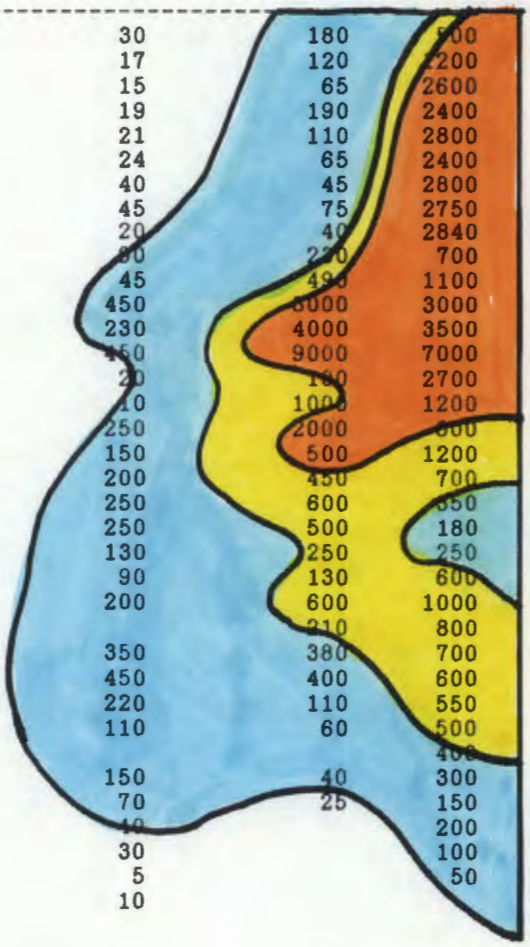
Date: 27-Feb-88 Section 8 Page: 1

Lift No.	Depth Feet	X Y	8 1	8 2	8 3	8 4
1	1.0		15	190	330	90
2	1.5		7	30	310	1400
3	2.0		15	50	150	2100
4	2.5		13	48	170	2200
5	3.0		15	60	490	3200
6	3.5		18	80	485	2600
7	4.0		23	60	485	2400
8	4.5			30	480	2900
9	5.0		0	20	800	3000
10	5.5		15	130	1300	3200
11	6.0		25	1200	9000	2900
12	6.5		29	1700	10000	4000
13	7.0		10	1000	5000	10000
14	7.5		30	450	9000	10000
15	8.0		25	350	500	1000
16	8.5		10	500	1350	600
17	9.0		20	700	2200	500
18	9.5		15	1200	2000	450
19	10.0		15	500	1000	230
20	10.5		25	200	700	450
21	11.0		20	200	600	800
22	11.5		10	100	300	1200
23	12.0		7	450	2000	600
24	12.5		12	490	1300	3000
25	13.0		25	350		3000
26	13.5		50	800	900	3000
27	14.0		75	185	600	2500
28	14.5		60	120		2000
29	15.0		30	300	0	1500
30	15.5		15	500	70	1800
31	16.0		20			2000
32	16.5		50	45		1000
33	17.0		30	20	0	1100
34	17.5		100	20	15	500
35	18.0		250	5	12	100
36	18.5		150	10	20	
37	19.0		50	15	35	
38	19.5		90	10	20	
39	20.0		15	10	25	
40	20.5		10	10	10	
41	21.0		40	5	15	
42	21.5		50	5	10	
43	22.0			0	10	
44	22.5			200	70	
45	23.0					
46	23.5					
47	24.0					
48	24.5					
49	25.0					
50	25.5					
51	26.0		5	5	15	
52	26.5			0	10	
53	27.0		0	10	10	
54	27.5			10	10	
55	28.0			5	5	
56	28.5					
57	29.0				10	



Date: 27-Feb-88 Section 9 Page: 1

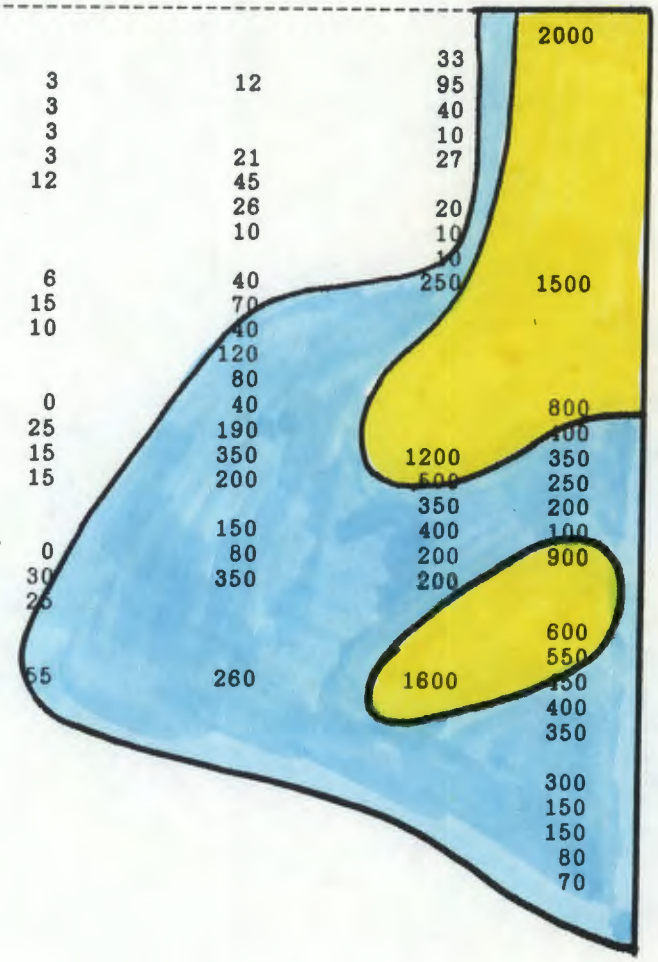
Lift No.	Depth Feet	X Y	9 1	9 2	9 3	9 4
1	1.0		15	30	180	500
2	1.5		9	17	120	2200
3	2.0		10	15	65	2600
4	2.5		10	19	190	2400
5	3.0		21	21	110	2800
6	3.5		25	24	65	2400
7	4.0		15	40	45	2800
8	4.5			45	75	2750
9	5.0		0	20	40	2840
10	5.5		20	60	250	700
11	6.0		19	45	490	1100
12	6.5		23	450	6000	3000
13	7.0		10	230	4000	3500
14	7.5		20	450	9000	7000
15	8.0		20	20	160	2700
16	8.5		10	10	1000	1200
17	9.0		30	250	2000	800
18	9.5		25	150	500	1200
19	10.0		20	200	450	700
20	10.5		28	250	600	850
21	11.0		30	250	500	180
22	11.5		20	130	250	250
23	12.0		20	90	130	600
24	12.5		9	200	600	1000
25	13.0		20		210	800
26	13.5		20	350	380	700
27	14.0		90	450	400	600
28	14.5		30	220	110	550
29	15.0		20	110	60	500
30	15.5					400
31	16.0		10	150	40	300
32	16.5		8	70	25	150
33	17.0		0	40		200
34	17.5		7	30		100
35	18.0		5	5		50
36	18.5		5	10		
37	19.0					
38	19.5					
39	20.0		5	25	20	
40	20.5					
41	21.0					
42	21.5					
43	22.0					
44	22.5					
45	23.0					
46	23.5					
47	24.0					
48	24.5					
49	25.0					
50	25.5					
51	26.0					
52	26.5					
53	27.0					
54	27.5					
55	28.0					
56	28.5					
57	29.0					



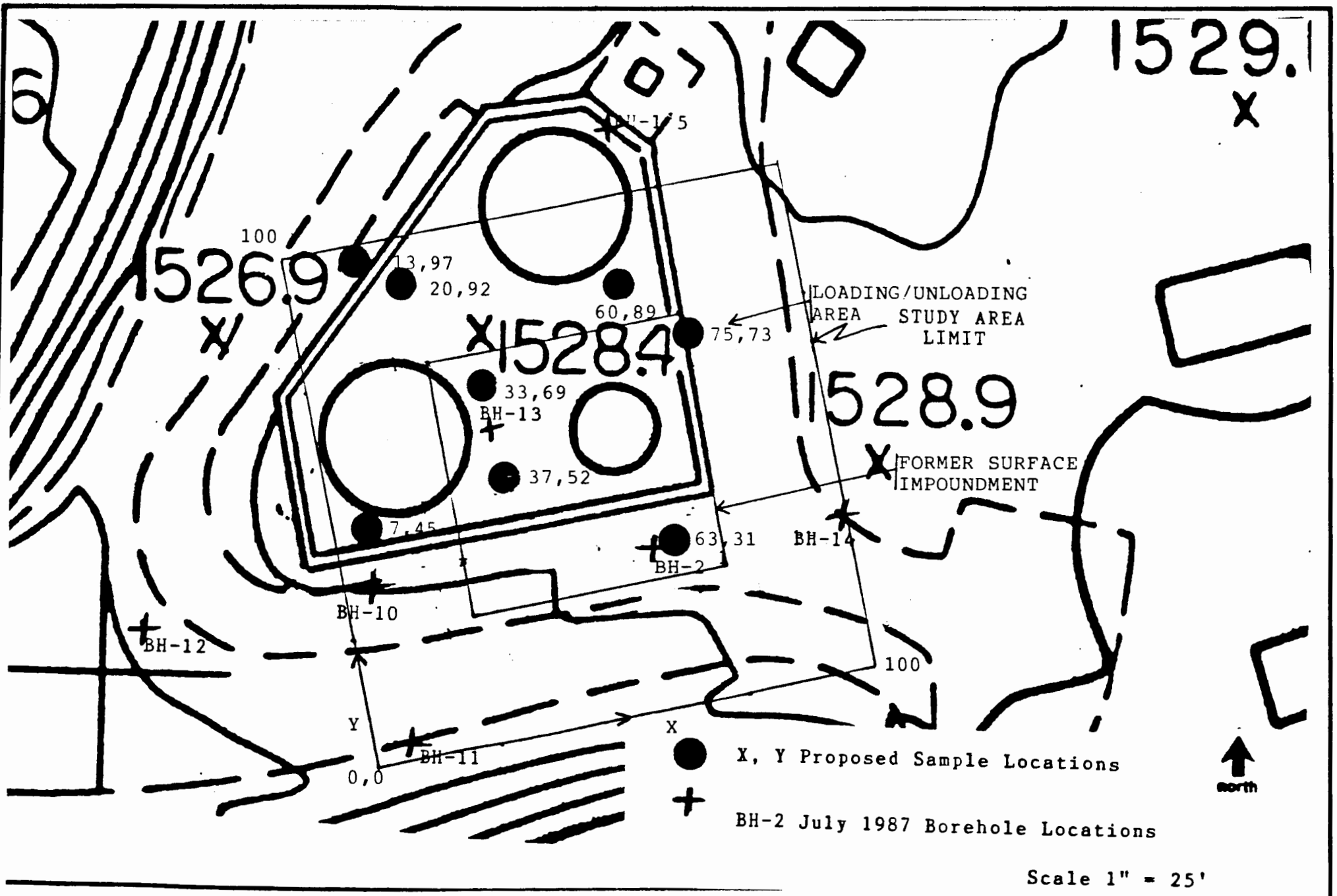
Bermite Division, Whittaker Corporation	WAI	Consulting Engineers	Mar. 88
Results of 317 Soil Removal, Field OVA		Twelve Oaks Center 15500 Wayzata Blvd.	Fig.13

Date: 27-Feb-88 Section 10 Page: 1

Lift No.	Depth Feet	X Y	10 1	10 2	10 3	10 4
1	1.0					
2	1.5					2000
3	2.0				33	
4	2.5		3	12	95	
5	3.0		3		40	
6	3.5		3		10	
7	4.0		3	21	27	
8	4.5		12	45		
9	5.0			26	20	
10	5.5			10	10	
11	6.0				10	
12	6.5		6	40	250	1500
13	7.0		15	70		
14	7.5		10	40		
15	8.0			120		
16	8.5			80		
17	9.0		0	40		800
18	9.5		25	190		100
19	10.0		15	350	1200	350
20	10.5		15	200	500	250
21	11.0				350	200
22	11.5			150	400	100
23	12.0		0	80	200	900
24	12.5		30	350	200	
25	13.0		25			
26	13.5					600
27	14.0					550
28	14.5		55	260	1600	150
29	15.0					400
30	15.5					350
31	16.0					
32	16.5					300
33	17.0					150
34	17.5					150
35	18.0					80
36	18.5					70
37	19.0					
38	19.5					
39	20.0					
40	20.5					
41	21.0					
42	21.5					
43	22.0					
44	22.5					
45	23.0					
46	23.5					
47	24.0					
48	24.5					
49	25.0					
50	25.5					
51	26.0					
52	26.5					
53	27.0					
54	27.5					
55	28.0					
56	28.5					
57	29.0					



Bermite Division, Whittaker Corporation	WAI Consulting Engineers	Twelve Oaks Center	Mar. 88
Results of 317 Soil Removal, Field OVA			Fig. 14



BERMITE DIVISION - WHITTAKER CORPORATION	Consulting Engineers	MAR 88
317 Former Surface Impoundment - Random Sample Locations	Wenck Associates, Inc. Twelve Oaks Center 15500 Wayzata Blvd. Wayzata, MN 55391	Fig. 15

TABLE 1

Bermite Division, Whittaker Corporation, 317 Area Soil Characterization
Field OVA Reading (ppm)

Lift No.	Date	Depth Feet	2 I	2 II	2 III	3 I	3 II	3 III	4 I	4 II	4 III	5 I	5 II	5 III	6 I	6 II	6 III	7 I	7 II	7 III	8 I	8 II	8 III	9 I	9 II	9 III	10 I	10 II	10 III
1	24-Nov-87	1.0	6	6	6	8	13	7	10	22	18	7	9	35	12	32	8	23	71	25	15	190	330	15	30	180			
2	27-Nov-87	1.5	3	3	3	5	48	3	9	70	11	120	17	9	22	26	8	6	20	19	7	30	310	9	17	120			33
3	30-Nov-87	2.0	3	7	6	9	60	12	19	31	9	32	24	9	12	27	11	9	26	40	15	50	150	10	15	65	3	12	95
4	02-Dec-87	2.5	15	11	3	11	70	15	19	45	11	150	22	8	17	24	35	11	40	60	13	48	170	10	19	190	3		40
5	02-Dec-87	3.0	17	8	3	17	70	17	17	35	15	220	33	11	26	45	35	14	45	95	15	60	490	21	21	110	3		10
6	03-Dec-87	3.5	9	3	3	8	90	8	17	35	18	170	22	12	40	32	48	19	80	45	18	80	485	25	24	65	3	21	27
7	04-Dec-87	4.0				10	45	18	25	27	17	160	150	10	30	26	42	18	45	60	23	60	485	15	40	45	12	45	
8	07-Dec-87	4.5	9	11	3	6	700	15	21	70	21	160	480	60	70	42	65		43	110		30	480		45	75		26	20
9	08-Dec-87	5.0	10	10	10	10	400	10	20	90	10	170	440	50	50	40	50	10	50	1500	10	80	800	10	70	150		10	20
10	09-Dec-87	5.5	5	8	10	20	70	10	20	100	8	180	400	35	35	35	40	10	50	3000	15	130	1300	20	90	230			10
11	10-Dec-87	6.0	5	6	5	90	20	6	100	70	15	450	420	90	45	420	90	25	3000	9000	25	1200	9000	19	45	490	6	40	250
12	11-Dec-87	6.5	5	3		12	8		120	39		250	1700	180	60	120	80	22	8000	10000	29	1700	10000	23	450	8000	15	70	
13	14-Dec-87	7.0				10	10	10	140	270	10	140	3100	110	40	900	340	20	5000	9500	30	1000	9500	20	450	8500	10	100	
14	15-Dec-87	7.5				15	20	15	150	500	15	30	4500	30	10	1700	600	20	2000	9000	30	450	9000	20	450	9000		120	
15	21-Dec-87	8.0				12				40		110	5000	25	75	200	30	25	2000	400	25	350	500	20	20	100		80	
16	22-Dec-87	8.5				20				60	20	460	2500	40	110	400	500	30	1100	3700	20	500	1300	30	140	1000	10	140	
17	22-Dec-87	9.0	12			18	100	500	100	80	32	800	250	45	150	600	1000	35	250	7000	20	700	2200	30	250	2000	25	190	
18	23-Dec-87	9.5	12			12	60		70	45	30	2000	10000	30	70	1000	2200	50	3000	4000	15	1200	2000	25	150	500	15	350	1200
19	04-Jan-88	10.0	15			15	20	14	60	150	25	500	3000	50	100	1000	2000	100	1500	1500	15	500	1000	20	200	450	15	200	500
20	06-Jan-88	10.5	15			15	18	15	60	300	30	400	1200	200	100	800	1800	700	200	1200	25	200	700	28	250	600			350
21	07-Jan-88	11.0	20			20	20	15	70	250	40	500	2000	200	80	700	1000	600	250	1500	20	200	600	30	250	500		150	400
22	07-Jan-88	11.5	20			20	460	30	50	170	200	750	2500	130	140	600	2000	800	190	900	50	330	1300	30	170	320	20	250	300
23	11-Jan-88	12.0	20			15	900	50	35	90	350	1000	3000	50	200	450	3000	1000	120	350	70	450	2000	20	90	130	30	350	200
24	11-Jan-88	12.5	8			20	2000		600	280	70	7000	3000	50	1500	300	2300	1100	180	490	12	490	1200	9	200	600	25		
25	12-Jan-88	13.0				35	1000		80	3000		10000	10000	35	200	500	1700	290	500		25	350		20		210			
26	13-Jan-88	13.5				50	100		60	150	45	10000	10000	55	160	1200	4500	250	200	2000	50	800	900	20	350	380			
27	14-Jan-88	14.0				25	150	60	220	800	180	2200	7000	2000	400	800	4000	30	150	600	75	185	600	90	450	400	55	260	1600
28	14-Jan-88	14.5				30	190	180	120	350	60	300	3500	200	65	500	2000	30	120	1000	60	120		30	220	110			
29	15-Jan-88	15.0				30	450	130	310	5000	50	170	2000	1600	40	270	1200	30	110	600	40	300	40	20	110	60			
30	15-Jan-88	15.5	20	250	70	25	700	80	500	10000	30	35	300	3000	7	30	500	25	90	250	15	500	70						
31	18-Jan-88	16.0				20	50	30	20	400	70	250	3000	100	30	350	2090	20	40	150	20			10	150	40			
32	19-Jan-88	16.5	8			8	19	8	25	320	100	350	4000	490	45	370	4000	18	45	70	50	45		8	70	25			
33	19-Jan-88	17.0				10	20		20	300	80	250	4000	700	40	400	4500	20	40	90	80	30	10	10	50				
34	20-Jan-88	17.5				15	20		15	250	50	200	4000	1000	30	400	5000	15	30	100	100	20	15	7	30				
35	20-Jan-88	18.0				25	20		5	200	12	38	4000	1500	10	500	7000	5	20	200	250	5	12	5	.5				
36	21-Jan-88	18.5				20	12		5	150	10	35	3500	1000	15	400	5000	5	25	150	150	10	20	5	10				
37	21-Jan-88	19.0				10			10	200	20	30	4000	3000	10	400	5000	5	18	100	50	15	35						
38	21-Jan-88	19.5							30	450	40	30	7000	6500	10	450	7500	10	20	50	30	10	30						
39	22-Jan-88	20.0				15			40	700	60	25	10000	10000	10	500	10000	7	13	7	15	10	25	5	25	20			
40	22-Jan-88	20.5							100	450	130	30	5500	7500	10	300	6000	30	110	30	30	10	20						

TABLE 1

Bermite Division, Whittaker Corporation, 317 Area Soil Characterization
Field OVA Reading (ppm)

Lift No.	Date	Depth Feet	2 I	2 II	2 III	3 I	3 II	3 III	4 I	4 II	4 III	5 I	5 II	5 III	6 I	6 II	6 III	7 I	7 II	7 III	8 I	8 II	8 III	9 I	9 II	9 III	10 I	10 II	10 III
41	22-Jan-88	21.0				100	100		150	200	200	40	1000	5000	10	150	500	50	200	50	40	5	15						
42	09-Feb-88	21.5				180	150		180	150	350	60	150	100	10	120	300	110	420	150	50	5	10						
43	09-Feb-88	22.0				140	110		300	180		80	600	550	10	60	900	70	250	380		100	40						
44	10-Feb-88	22.5				100	70		450	200		100	1000	1000	5		1500	20	80	600		200	70						
45	12-Feb-88	23.0				230			200	200	600								35										
46	12-Feb-88	23.5				160			230	200	350	40	600	2500	10	30	200	10	20	150									
47	15-Feb-88	24.0	20	80		80	10000	200	250	200	100	80	1200	5000	10	60	400	10	10	300									
48	15-Feb-88	24.5	120	300		80	8000	300	240	1100	1000	90	1000	4800	10	60	450	10	10	250									
49	15-Feb-88	25.0	210	600		80	6000	450	220	2100	2000	100	850	4600	10	60	500	10	10	200									
50	16-Feb-88	25.5	300	850		80	4000	580	200	3000	3000	110	700	4400	10	60	550	10	10	150									
51	16-Feb-88	26.0	400	1100		80	2200	700	180	4000	4000	110	500	4200	5	50	600	5	5	100	5	5	15						
52	17-Feb-88	26.5				90	1800	600	500	3500	3000	90	450	5100	10	40	500	10	10	90		10	10						
53	17-Feb-88	27.0				100	1500	500	800	3000	2000	70	400	6000	10	30	400	5	10	80		10	10						
54	17-Feb-88	27.5				80	1400	550	1200	2400	1300	70	330	6500	10	20	350	10	10	70		10	10						
55	18-Feb-88	28.0	35	1700	1000	60	1300	600	1500	1800	600	75	250	7000	5	7	300	5	5	50		5	5						
56	18-Feb-88	28.5	120	6000	1300	380	3700	1000	1800	2400	800	60	900	8500		70	900		20	140									
57	19-Feb-88	29.0	200	10000	1500	700	6000	1500	2000	3000	1000	50	1500	10000		140	1500		25	220			10						

TABLE 2

Bernite Division, Whittaker Corporation, 317 Area Soil Characterization
Field and Laboratory Results From 15' Extension - High Nodes

Lift No.	Date	Depth Feet	Field Reading (ppm) 2 IV	3 IV	4 IV	5 IV	6 IV	7 IV	8 IV	9 IV	10 IV	Node High	Lab. Result (ppm) CDF	111	ACT	TET	TCE	STR	MCD	Lab Total (ppm)	Field OVA (ppm)
1	23-Jan-88	1	3	3	3	6	20	15	90	500	2000										
2	26-Jan-88	1.5	3	3	3	10	40	210	1400	1200		8.4	ND	ND	ND	0.0	0.06	ND	ND	0.09	1400
3	26-Jan-88	2	3	7	10	60	250	400	2100	2600											
4	26-Jan-88	2.5	3	6	20	55	350	400	2200	2400		9.4	ND	29	ND	5000	12	ND	ND	5041	2400
5	26-Jan-88	3	3	11	18	240	600	1100	3200	2800											
6	27-Jan-88	3.5	3	14	100	280	420	1100	2600	2400		8.4	ND	27	ND	7900	11	ND	ND	7938	2600
7	27-Jan-88	4	2	11	70	260	500	1300	2400	2800											
8	27-Jan-88	4.5	4	13	120	300	450	2000	2900	2750		8.4	ND	ND	ND	350	1.4	ND	0.84	352	2900
9	27-Jan-88	5	5	20	240	450	450	1900	3000	2840											
10	28-Jan-88	5.5	7	20	50	400	6000	2400	3200	700		7.4	ND	0.03	ND	8.8	4.2	ND	4.9	18	3200
11	28-Jan-88	6	7	70	20	200	260	3200	2900	1100	1500										
12	28-Jan-88	6.5	7	10	70	170	4500	7000	4000	3000		7.4	ND	ND	ND	740	22	ND	ND	762	7000
13	28-Jan-88	7	4	9	550	2000	3200	8000	10000	3500											
14	28-Jan-88	7.5	70	450	1200	6000	8000	10000	10000	7000		7.4	ND	ND	ND	1100	51	ND	ND	1151	10000
15	29-Jan-88	8	16	25	200	140	1400	2100	1900	2700											
16	29-Jan-88	8.5		5	300	1200	110	400	600	1200	800	9.4	ND	170	ND	7300	48	ND	ND	7518	1200
17	01-Feb-88	9		10	160	600	180	300	500	1200	580										
18	01-Feb-88	9.5		12	12	30	250	200	450	1200	350	6.4	0.0	ND	ND	6.1	0.17	0.02	ND	6.3	120
19	01-Feb-88	10		10	20	40	250	700	450	700	250										
20	01-Feb-88	10.5		15	30	50	300	1200	450	350	200										
21	01-Feb-88	11			190	60	1600	1600	800	300	550	6.4	ND	ND	ND	4200	320	18	ND	4538	3000
22	01-Feb-88	11.5			350	70	3000	2000	1200	250	900										
23	01-Feb-88	12			250	110	3500	2500	2100	600											
24	01-Feb-88	12.5			150	150	4000	2900	3000	1000		6.4	1.0	ND	ND	3.0	0.21	0.04	0.06	4.3	4000
25	03-Feb-88	13				200	4000	3500	3000	800	600										
26	03-Feb-88	13.5				300	4000	4000	3000	700	550										
27	03-Feb-88	14			100	200	4000	3000	2500	600	450	6.4	ND	ND	ND	7800	99	ND	ND	7899	2000
28	03-Feb-88	14.5				190	30[illegible]	3700	2000	550	400										
29	04-Feb-88	15			45	150	2000	2500	1500	500	350	6.4	ND	ND	ND	5000	190	39	ND	5229	1900
30	04-Feb-88	15.5				45	3000	2800	1800	400											
31	04-Feb-88	16			20	30	5000	3000	2000	300	300										
32	04-Feb-88	16.5				50	6000	3000	1500	250	230										
33	05-Feb-88	17			45	70	7000	3000	1000	200	150	6.4	ND	ND	ND	13000	3700	26	ND	16726	7000
34	05-Feb-88	17.5				60	6000	1700	550	130	110										
35	05-Feb-88	18			35	50	5000	450	100	50	70	6.4	ND	21	ND	9700	3200	20	ND	12941	5000
36	05-Feb-88	18.5																			
37		19					3500					6.4	ND	ND	ND	7100	230	ND	ND	7330	3500
40																					
												Maximum (ppm)	1	170	0	13000	3700	39	5	16726	10000
												Minimum (ppm)	0	0	0	0	0	0	0	0	120
																				AVG RATIO =	1055

Legend

OVA: Foxboro Organic Vapor Analyzer
CDF: Carbon Disulfide
111: 1,1,1-Trchloroethane
ACT: Acetone
AVG RATIO: average ratio of ova/total

TET: Tetrachloroethlene
TCE: Trichloroethylene
STR: Styrene
MCD: Methylene Chloride

TABLE 3

Bermite Division, Whittaker Corp., 317 Area Soil Characterization
Laboratory Analysis - High Nodes

Lift No.	Depth Feet	NODE High	Lab. Result (ppm) 112	112	111	CHF	ACT	TET	TCE	STR	TLN	CDS	XYL	CTC	EBZ	MEK	Lab Total (ppm)	Field OVA (PPM)
1	1.0	8.3	ND	ND	ND	ND	2.0	10	0.47	ND	ND	ND	ND	ND	ND	ND	12	330
2	1.5	8.3	ND	ND	ND	ND	0.27	0.30	0.03	ND	ND	ND	ND	ND	ND	ND	0.60	310
3	2.0	8.3	ND	ND	ND	ND	ND	0.12	0.06	ND	ND	ND	ND	ND	ND	ND	0.20	150
4	2.5	9.3	ND	ND	ND	ND	2.0	0.44	ND	ND	ND	ND	ND	ND	ND	ND	2.4	190
5	3.0	8.3	ND	ND	ND	ND	0.38	0.29	0.17	ND	ND	ND	ND	ND	ND	ND	0.84	490
6	3.5	8.3	ND	ND	ND	ND	1.7	0.06	0.17	ND	ND	ND	ND	ND	ND	ND	1.9	485
7	4.0	7.3	1.2	0.01	ND	ND	ND	0.06	0.01	ND	0.02	ND	ND	ND	ND	ND	1.3	60
8	4.5	3.2	0.02	ND	ND	ND	ND	0.35	0.31	ND	0.04	ND	ND	ND	ND	ND	0.72	700
9	5.0	8.3	ND	ND	ND	ND	3.1	0.24	1.6	0.02	ND	ND	ND	ND	ND	ND	5.0	1300
10	5.5	7.2	ND	ND	ND	ND	0.39	0.36	0.70	ND	ND	ND	ND	ND	ND	ND	1.5	3000
11	6.0																	
12	6.5	5.2	ND	ND	ND	ND	ND	0.02	0.29	ND	ND	ND	ND	ND	ND	ND	0.31	4500
13	7.0																	
14	7.5	7.3	ND	ND	ND	ND	ND	150	19	21	ND	ND	ND	ND	ND	ND	190	7000
15	8.0	5.2	ND	ND	ND	ND	ND	ND	57	ND	ND	ND	ND	ND	ND	ND	57	10000
16	8.5	8.3	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND	40	1000
17	9.0	5.2	ND	ND	ND	ND	ND	ND	5.0	23	ND	ND	ND	ND	ND	ND	28	1200
18	9.5	5.2	ND	ND	ND	ND	0.21	0.01	0.08	0.01	ND	ND	ND	ND	ND	ND	0.31	2000
19	10.0	5.2	ND	ND	ND	ND	ND	0.05	0.13	4.6	0.05	0.20	0.06	ND	ND	ND	5.1	3000
20	10.5	5.2	ND	ND	ND	ND	ND	10	ND	9.0	ND	ND	ND	ND	ND	ND	19	3000
21	11.0	5.2	ND	ND	52	ND	ND	210	1800	52	ND	ND	ND	ND	ND	ND	2114	10000
22	11.5	6.3	0.05	ND	0.01	ND	ND	2.1	1.1	0.12	ND	ND	0.01	ND	ND	ND	3.4	1300
23	12.0	5.2	ND	0.07	ND	ND	0.50	3.0	150	44	0.01	ND	0.02	0.03	0.27	0.12	198	8000
24	12.5	5.2	ND	ND	ND	ND	ND	ND	0.35	0.07	ND	ND	ND	ND	ND	ND	0.42	220
25	13.0	5.2	ND	ND	ND	0.02	ND	ND	7.0	0.15	ND	ND	ND	ND	ND	ND	7.2	350
26	13.5	5.2	ND	ND	0.11	ND	ND	0.18	59	20	ND	ND	ND	ND	ND	ND	79	3000
27	14.0	5.2	ND	0.01	1.8	5.5	ND	6.4	94	70	0.05	ND	0.03	0.05	0.47	ND	178	1200
28	14.5	5.2	0.01	ND	12	0.03	ND	33	160	210	0.02	ND	ND	ND	0.15	ND	415	5000
29	15.0																	
30	15.5																	
31	16.0	5.2	ND	ND	ND	ND	ND	ND	11	8.0	ND	ND	ND	ND	ND	ND	19	4000
32	16.5																	
33	17.0	5.2	ND	ND	ND	ND	ND	ND	4.0	6.0	ND	ND	ND	ND	ND	ND	10	4000
34	17.5																	
35	18.0	6.3	ND	ND	65	ND	ND	520	4800	160	ND	ND	ND	ND	ND	ND	5645	9000
36	18.5	6.3	ND	ND	ND	ND	0.15	0.08	1.1	0.18	0.01	ND	ND	ND	ND	ND	1.5	8000
37	19.0	6.2	ND	ND	70	ND	ND	500	5200	160	ND	ND	ND	ND	ND	ND	5930	9000
38	19.5																	
39	20.0																	
40	20.5																	
41	21.0																	
42	21.5																	
43	22.0	7.3	ND	ND	ND	ND	0.59	0.05	0.06	0.01	0.01	ND	0.02	ND	0.04	ND	0.78	1500
44	22.5	6.3	ND	ND	ND	ND	0.24	0.02	0.03	ND	ND	ND	ND	ND	0.03	ND	0.32	1500

TABLE 3

Bermite Division, Whittaker Corp.. 317 Area Soil Characterization
Laboratory Analysis - High Nodes

Lift No.	Depth Feet	NODE High	T12	112	111	CHF	ACT	TET	TCE	STR	TLN	CDS	XYL	CTC	EBZ	MEK	Lab Total (ppm)	Field OVA (PPM)
			Lab. Result (ppm)															
45	23.0																	
46	23.5	4.2	ND	ND	ND	ND	ND	0.01	0.70	0.02	ND	ND	0.01	ND	0.07	ND	0.81	2000
47	24.0	5.3	ND	ND	ND	1.5	ND	5000	200	30	ND	ND	ND	2.0	ND	ND	5234	10000
48	24.5																	
49	25.0	3.2	ND	ND	ND	0.01	0.70	ND	0.30	0.01	ND	ND	ND	ND	ND	ND	1.0	1500
50	25.5																	
51	26.0	5.1	ND	ND	ND	5.0	55	ND	8.9	ND	ND	ND	ND	ND	ND	ND	68	1500
52	26.5																	
53	27.0	4.2	ND	ND	90	4.0	ND	15	500	700	ND	ND	ND	15	2.0	ND	1326	6000
54	27.5																	
55	28.0	5.3	ND	ND	30	2.5	ND	600	500	170	ND	ND	ND	3.0	ND	ND	1306	10000
56	28.5	4.2	ND	ND	ND	ND	ND	ND	2.0	0.10	ND	ND	ND	ND	ND	ND	2.1	8000
57	29.0	5.3	ND	ND	ND	0.01	0.40	0.02	0.04	0.01	ND	ND	ND	ND	ND	ND	0.48	8000
Maximum (ppm)			1	0	90	6	55	5000	5200	700	0	0	0	15	2	0	5930	10000
Minimum (ppm)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
																	AVG RATIO =	1606

Legend

OVA: Foxboro Organic Vapor Analyzer
T12: Trans-1,2-Dichloroethylene
111: 1,1,1-Trichloroethane
ACT: Acetone
112: 1,1,2-Trichloroethane
CDS: Carbon Disulfide
EBZ: Ethyl Benzene
CHF: Chloroform
TET: Tetrachloroethylene
TCE: Trichloroethylene
STR: Styrene
TLN: Toluene
XYL: Xylenes
CTC: Carbon Tetrachloride
MEK: Methyl Ethyl Ketone
AVG RATIO: average ratio of ova/total

TABLE 4

Bermite Division, Whittaker Corp., 317 Area Soil Characterization
Laboratory Analysis - Low Modes

Lint No.	Depth Feet	Mode Low	Lab. Result (ppm) T12	112	111	CHF	ABT	TET	TCE	STR	TLN	CBS	XYL	CTC	EBZ	MEH	Lab Total (ppm)	Field OVA (PPM)
1	1.0																	
2	1.5																	
3	2.0																	
4	2.5																	
5	3.0	2.2	ND	ND	ND	ND	0.50	0.03	ND	ND	ND	ND	ND	ND	ND	ND	0.53	11
6	3.5																	
7	4.0																	
8	4.5																	
9	5.0																	
10	5.5																	
11	6.0																	
12	6.5																	
13	7.0	7.1	ND	ND	ND	ND	ND	ND	0.01	ND	0.02	ND	ND	ND	ND	ND	0.02	25
14	7.5																	
15	8.0																	
16	8.5																	
17	9.0																	
18	9.5	8.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00	20
19	10.0	9.1	ND	ND	ND	ND	ND	0.01	0.01	ND	ND	ND	ND	ND	ND	ND	0.01	20
20	10.5																	
21	11.0	9.1	ND	ND	ND	ND	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19	20
22	11.5	9.1	ND	ND	ND	ND	ND	0.10	0.07	ND	0.02	ND	ND	ND	ND	ND	0.18	5
23	12.0																	
24	12.5	9.1	ND	ND	ND	0.01	ND	ND	0.17	0.14	ND	ND	ND	ND	ND	ND	0.32	15
25	13.0																	
26	13.5																	
27	14.0	9.1	ND	ND	ND	ND	ND	ND	0.04	0.02	ND	ND	ND	ND	ND	ND	0.06	10
28	14.5																	
29	15.0																	
30	15.5	7.1	ND	ND	ND	ND	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	0.02	5
31	16.0																	
32	16.5	7.1	ND	ND	ND	ND	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	0.02	7
33	17.0																	
34	17.5	7.1	ND	ND	ND	ND	ND	ND	0.03	ND	0.01	ND	ND	ND	ND	ND	0.03	20
35	18.0																	
36	18.5	7.1	ND	ND	ND	ND	0.17	ND	0.03	ND	ND	ND	ND	ND	ND	ND	0.16	10
37	19.0																	
38	19.5	7.1	ND	ND	ND	ND	ND	ND	0.03	ND	ND	ND	ND	ND	ND	ND	0.03	15
39	20.0																	
40	20.5																	
41	21.0																	

TABLE 4

Bemite Division, Whittaker Corp., 317 Area Soil Characterization
Laboratory Analysis - Low Nodes

Lift No.	Depth Feet	Node Low	Lab. Result (ppm) T12	112	111	CHF	ACT	TET	TCE	STR	TLN	CDS	XYL	CTC	EBZ	MEK	Lab Total (ppm)	Field OVA (PPM)
42	21.5																	
43	22.0	8.3	ND	ND	ND	ND	1.3	0.02	0.01	ND	ND	ND	ND	ND	ND	ND	1.3	10
44	22.5																	
45	23.0																	
46	23.5	3.1	ND	ND	ND	ND	ND	0.02	0.02	ND	ND	ND	0.02	ND	0.07	ND	0.13	20
47	24.0																	
48	24.5																	
49	25.0																	
50	25.5	7.2	ND	ND	ND	ND	ND	ND	0.03	ND	ND	ND	ND	ND	ND	ND	0.03	3
51	26.0																	
52	26.5	6.1	ND	ND	ND	0.01	ND	0.01	0.04	ND	ND	ND	ND	ND	ND	ND	0.06	3
53	27.0																	
54	27.5	7.2	ND	ND	ND	ND	0.05	0.01	0.01	ND	ND	ND	ND	ND	ND	ND	0.07	3
55	28.0																	
56	28.5																	
57	29.0																	
Maximum (ppm)			0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	25
Minimum (ppm)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
																AVG RATIO =		325

Legend

OVA: Foxboro Organic Vapor Analyzer
T12: Trans-1,2-Dichloroethylene
111: 1,1,1-Trichloroethane
ACT: Acetone
112: 1,1,2-Trichloroethane
CDS: Carbon Disulfide
EBZ: Ethyl Benzene
CHF: Chloroform
TET: Tetrachloroethylene
TCE: Trichloroethylene
STR: Styrene
TLN: Toluene
XYL: Xylenes
CTC: Carbon Tetrachloride
MEK: Methyl Ethyl Ketone
AVG RATIO: average ratio of ova/total

ANALYSIS RESULTS FROM
SOIL SAMPLING AT
RCRA UNITS

File = 317ORGADATA

TABLE 5

ORGANIC COMPOUNDS IDENTIFIED AT 317 AREA
All Values Are ug/kg (ppb)

SAMPLE I.D.	SAMPLE DEPTH	Acetone	Carbon Disulfide	Methyl Ethyl Ketone	4-Methyl-2 Pentanone	Methylene Chloride	Trans-1,2-Dichloroethene	Tetra-chloroethene	Tri-chloroethene	1,1,1-Tri chloroethane	Toluene	Total Xylenes
317-3369-1	0.0-0.5'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-3369-2	0.5-1.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-3369-3	1.0-2.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-3369-4	16.0-16.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
317-3369-5	16.5-17.0'	160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
317-3369-6	17.5-18.0'	150	ND	ND	ND	ND	ND	ND	6.0	ND	ND	ND
317-3752-1	0.0-0.5'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-3752-2	0.5-1.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-3752-3	1.0-2.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-3752-4	16.0-16.5'	ND	ND	ND	ND	ND	ND	10	54	ND	ND	ND
317-3752-5	16.5-17.0'	ND	ND	ND	ND	ND	ND	28	43	ND	ND	ND
317-3752-6	17.5-18.0'	ND	ND	ND	ND	ND	11	640	1500	16	ND	ND
317-0745-1	0.0-0.5'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-0745-2	0.5-1.0'	ND	ND	ND	NA	ND	NA	5.7	ND	ND	ND	ND
317-0745-3	1.0-2.0'	ND	ND	ND	NA	ND	NA	8.3	ND	ND	ND	ND
317-0745-4	16.0-16.5'	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND
317-0745-5	16.5-17.0'	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND
317-0745-6	17.5-18.0'	130	ND	ND	ND	ND	ND	ND	10	ND	ND	ND
317-6089-1	0.0-0.5'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-6089-2	0.5-1.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-6089-3	1.0-2.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-6089-4	16.0-16.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
317-6089-5	16.5-17.0'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
317-6089-6	17.5-18.0'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
317-2092-1	0.0-0.5'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-2092-2	0.5-1.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-2092-3	1.0-2.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-2092-4	16.0-16.5'	ND	15	ND	ND	ND	ND	ND	5.0	ND	ND	5.0
317-2092-5	16.5-17.0'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
317-2092-6	17.5-18.0'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ANALYSIS RESULTS FROM
SOIL SAMPLING AT
RCRA UNITS

File = 317ORGADATA

TABLE 5

ORGANIC COMPOUNDS IDENTIFIED AT 317 AREA
All Values Are ug/kg (ppb)

SAMPLE I.D.	SAMPLE DEPTH	Acetone	Carbon Disulfide	Methyl Ethyl Ketone	4-Methyl-2 Pentanone	Methylene Chloride	Trans-1,2-Dichloroethene	Tetra-chloroethene	Tri-chloroethene	1,1,1-Tri chloroethane	Toluene	Total Xylenes
317-1397-1	0.0-0.5'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-1397-2	0.5-1.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-1397-3	1.0-2.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-1397-4	16.0-16.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
317-1397-5	16.5-17.0'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
317-1397-6	17.5-18.0'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
317-6331-1	0.0-0.5'	ND	ND	ND	NA	ND	NA	12	13	ND	ND	ND
317-6331-2	0.5-1.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-6331-3	1.0-2.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-6331-4	16.0-16.5'	45	ND	14	ND	180	75	100	580	ND	8.0	ND
317-6331-5	16.5-17.0'	70	ND	6.5	70	8.8	39	290	1200	8.0	ND	ND
317-6331-6	17.5-18.0'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
317-7573-1	0.5-1.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-7573-2	1.0-2.0'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-7573-3	16.0-16.5'	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
317-7573-4	16.5-17.0'	150	ND	ND	ND	ND	ND	ND	7.0	ND	ND	ND
317-7573-5	17.5-18.0'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
317-7573-6	17.5-18.0'	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.0	41
Detection Limit (1 thru 3)		10	5.0	10		5.0		5.0	5.0	5.0	5.0	5.0
(4 thru 6)		50	5.0	50	30	50	5.0	5.0	5.0	5.0	5.0	5.0

" ND " = Compound Not Detected

" NA " = Compound not analyzed

APPENDIX A

October 9, 1987
Rev 1.1

317 WORK PLAN FOR SOILS INVESTIGATION AND REMOVAL AT THE 317 AREA BERMITE DIVISION, WHITTAKER CORPORATION SAUGUS, CALIFORNIA

1. INTRODUCTION

The soil borings and chemical analysis of soil samples from the 317 former surface impoundment completed in July 1987 indicate that there are some levels of trichloroethene (TCE) and 1,2-dichlorobenzene (DCB) present in the subsurface soils. The results of the investigation are presented in an earlier report titled "Subsurface Investigative Program, Whittaker Corporation, Bermite Facility, Saugus, California, July 28, 1987. The greatest concentration found in the laboratory analysis is 24 ppb. During the boring and sampling work, low levels of organic vapors were also detected (up to 500 ppm). It is proposed that the possible source(s) of these organic compounds be determined and removed if they exist. This determination and removal is proposed to be accomplished by uncovering the subsoils, locating the source(s) and treating or disposing of the soils or source(s).

2. PURPOSE

The purpose of removing the soils is to determine the extent of and possible source(s) of the contamination and to remove the contamination so that it does not pose a threat to human health or the environment.

3. PLAN

a. Excavation

The soils will be excavated from the 317 area in approximately 6 inch lifts after the top 12 inches of asphalt and compacted surface soils are removed. An area approximately 10 feet by 165 feet will be excavated to a depth of approximately 20 feet. This area will be extended as necessary to encompass the horizontal extent of any volatile organics after DHS and EPA have reviewed the effectiveness of the procedure in determining the extent of contamination based on the field and laboratory results and approved the expansion. However, if a specific region or pocket of organics at a level of 500 ppm or more has been located, it may be immediately removed.

After the 20 foot depth is reached, further sampling of the near-surface soils will be undertaken to determine if the extent of the organics and metals (if comparison with background warrants), has been determined. Samples will be collected at the nodes, analyzed for volatile organics per EPA method 8240, and the 8 heavy metals, compared to the background values. If the vertical extent has not been determined, permission from EPA and DHS will be

requested to excavate vertically for approximately 10 feet further. This excavation will be undertaken in the same manner as the first 20 feet.

If upon further testing of the soils below the 30 foot depth, the vertical extent has not been determined, a secondary plan of VOC removal may be undertaken. This alternative plan shall be approved by the agencies prior to implementation.

A plan view of the excavation can be seen on Figure 1.

b. Field sampling and analysis

Sampling of the soils to be removed will take place prior to removal of each lift for the purpose of determining the vertical and horizontal extent of the contaminants and for segregating the soils into piles as follows: no vapors up to 50 ppm, soils with vapors up to 500 ppm. Soils with vapors greater than 500 ppm will be immediately removed from the site upon excavation.

As a minimum, a grid 25 feet on center as shown on the attached Figures 1 and 1A will be used to create nodes for sampling the soil, as described below, prior to removal. Additional sample points may be similarly analyzed between and beyond the nodes to more precisely define the extent of contamination. These results of relative concentrations will be plotted onto a scaled drawing of the area. This will then be used to choose which soils will be disposed of immediately upon excavation and which soils will be tested further for metal concentrations.

Soil samples will be obtained by hand coring. A 12" core will be taken and the soil to be analyzed will be taken from the lower 6" of the sample core. The coring tool will be cleaned between each sampling in accordance with the procedures outlined in the QA/QC section of the revised RCRA Closure Plan.

A 125 ml sample will be taken at each node and placed into a 250 ml jar which will be placed in a thermostated oven at 100 degrees F. After 15 minutes the headspace vapor concentration will be taken in each sample container.

A possible alternative to the headspace method is to drive or push a 1-ft deep punchbar or probe into the ground at the nodes and directly read the vapor concentration with the OVA after covering the hole and allowing time for re-equilibration of the soil vapors.

Core samples shall also be taken for analysis of non-volatile constituents as specified in the closure plan.

After the excavation of the trench, 3 vapor probes will be driven into selected areas of the excavation to verify that the extent of

the volatile organics has been determined. The locations of the probes will be dependent on the results of the organic vapor concentrations found during excavation and after consultation with the EPA and DHS.

At least 5 additional 30 - 35 foot deep probes shall be installed beyond the trench area in order to investigate the surrounding impoundment area. Proposed construction information and locations shall be furnished within 5 days of the completion of the initial trenching.

c. Segregation of soils

As many as eight piles will be created from the excavated soils. Each of the four soil horizons given below will be separated into two piles on the basis of the OVA readings given above:

0' - 2'
2' - 16'
16' - 18' (approx. top of former excavation)
18' - 20'

The soils with vapors exceeding 500 ppm will be disposed of as hazardous waste immediately upon excavation. The other soils may be tested further for metal concentrations. The eight piles will be placed on plastic approximately 100 feet east of the 317 area.

d. QA/QC

Duplicate samples will be taken from each lift. A sample with the highest OVA reading will be resampled from each lift. Samples with low or non-detectable readings will also be selected from the lift to ensure that a total of 5% field duplicate samples are taken.

Likewise, 5% split samples for laboratory verification shall be collected. These samples will be managed in accordance with the QA/QC procedures outlined in the approved Revised Closure Plan. These samples will be taken in metal sleeves, quickly capped, refrigerated and analyzed accordance with EPA method 8240. The results will be correlated with the field results to verify the procedures.

e. Management of excavated soils

The soils which are left on-site will be graded into piles approximately 3 feet thick. These piles shall be kept dry, except for any minimal watering for dust control. They will be covered with plastic and protected from run-on by berms.

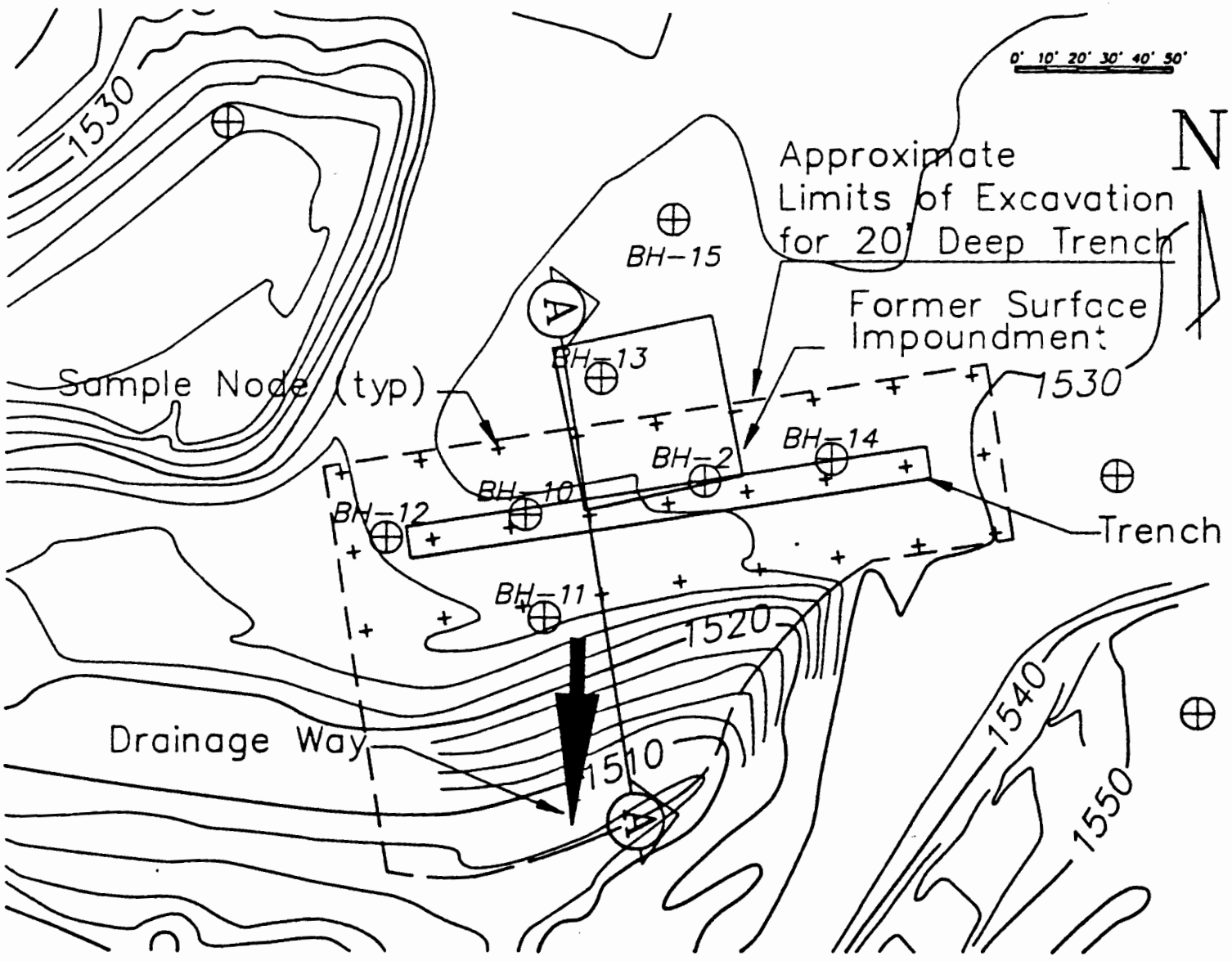
Except for soil piles that have already been sampled for metals and other non-volatile constituents before excavation, these soils will then be randomly tested for the non-volatile constituents of interest. The results of this analysis will be compared to the concentrations determined in the background samples taken at the burn area. If necessary, soil piles will be disposed of as hazardous waste. If the metal and any other concentrations are not significantly higher than the background, then the soils will be disked to volatize any remaining organic vapors. The necessary approval will be obtained for this work.

4. QUALITY CONTROL

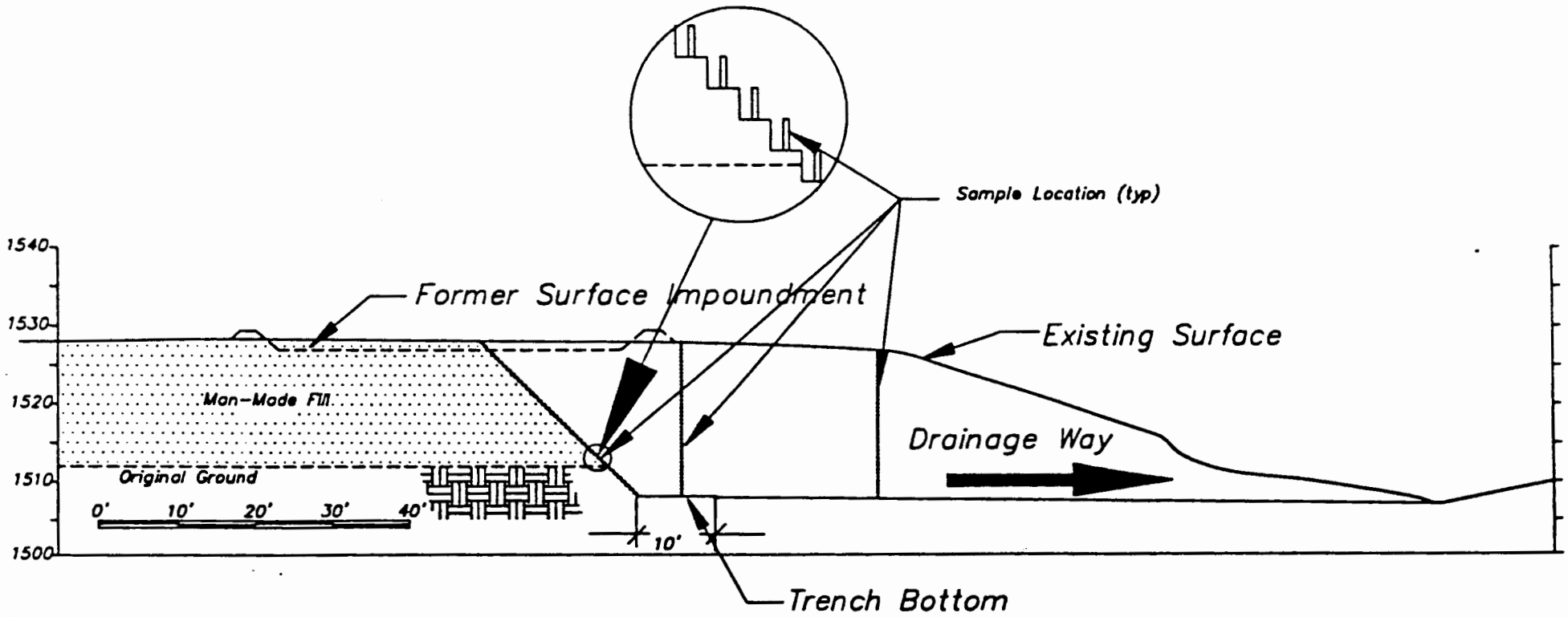
All work shall be done in accordance with QA/QC plans and specifications that are detailed in the Revised RCRA Closure Plan for Bermite Division of Whittaker Corporation. Proper safety procedures will be followed to assure that personal safety is assured.

5. RAINFALL INTRUSION PREVENTION

The impoundment area, including the excavation will be protected from rainfall intrusion. If rain threatens while the trench is open, it shall be covered with plastic sheeting or tarps and pooling of water prevented.



Bermite Division - Whittaker Corporation	WAI Wenck Associates, Inc.	Consulting Engineers	Nov. 87
317 Area Soil Removal - Limits of Excavation		Twelve Oaks Center 15000 Wayzata Blvd. Wayzata, MN 55391	Fig.



Bermite Division - Whittaker Corporation

Consulting Engineers

Nov. 87

31 re. oil mo - its E: at

Wenck Associates, Inc.

Centre
15500 Wayzata Blvd.
Wayzata, MN 55391

Fig.

APPENDIX B

January 19, 1988

Mr. Alan Sorsher
Department of Health Services
Toxic Substances Control Division
107 S. Broadway, Room 7128
Los Angeles, California 90012

Re: Trenching Activities at the
317 Former Surface Impoundment
Bermite Division, Whittaker Corporation

Dear Mr. Sorsher:

As per our telephone conversation today, we are continuing the trenching activities at the 317 Former Surface Impoundment. We are at the 20 foot elevation today and will continue the trenching activities after soil samples have been obtained at the 20 foot elevation.

The soil samples will be taken at the 21 nodes within the trench area and these samples will be archived and will possibly be analyzed for the metals of interest at a later date. The analysis is dependent upon the earlier soil samples, the results of which are not yet available. The samples will be obtained according to the correct procedures as outlined in the approved RCRA Closure Plan for Bermite Division, Whittaker Corporation. As you agreed, we will not take soil samples at the 21 nodes for analysis by EPA Method 8240 (GC/MS for volatile organics).

As you requested, we have enclosed for your review the results of the trenching activities to date. These results consist of the OVA readings, plotted and contoured according to four levels of organic vapors : 0-50 ppm, 50-500 ppm, 500-2000 ppm and above 2000 ppm. Although not in final form, one can see from the enclosed plots the extent of contamination determined so far. We have also enclosed analytical results to date from the soil samples that were taken from the lifts and analyzed in the laboratory by EPA Method 8240. We do not yet have all of the lab results for the lifts completed to date.

As we agreed upon, we will continue trenching today and tomorrow until we hear from you. You are to discuss with Michael Fernandez and other interested parties our request to continue the trenching activities to the 30 foot elevation. As we discussed, the results to date indicate that the vertical extent of contamination has not yet been determined. If the vertical extent of the contamination and/or its sources can be determined by trenching, there is no reason that we can find for stopping the activities now. If, as was the case on October 5, the concern of EPA and DHS is to stop

the spread of the contamination, then continuing the trenching will be in fulfillment of this concern, as were the berms and tarps.

You questioned the number of truckloads of soil with concentrations of organic vapors greater than 500 ppm that have been removed and disposed off-site. According to our weekly progress reports to you, 29 loads were removed and shipped off-site between December 10, 1987 and January 16, 1988. Each load is approximately 16 cubic yards.

You will also find enclosed for your review the results of the laboratory tests run on the soil samples from the initial borings at 317 and 342. We received these final results on January 11, 1988.

If you have any other questions pertaining to the trenching activities or require further information, please do not hesitate to call. As we agreed, I will expect to hear from you on Wednesday, January 20, 1988 as to whether we will be allowed to continue the trenching activities.

Sincerely,

WENCK ASSOCIATES, INC.

Christopher F. Thompson, P.E.

CFT/cmk

enclosures

cc: Gordon Louttit
Glen Abdun Nur
John Peloquin
Michael Fernandez

APPENDIX C

South Coast
AIR QUALITY MANAGEMENT DISTRICT
9150 FLAIR DRIVE, EL MONTE, CA 91731 (818) 572-6200

September 29, 1987

Mr. Stephen C. Jones
Jones, Day, Reavis and Pogue
355 S. Grand Ave. (Ste. 3000)
Los Angeles, CA 90071

Dear Mr. Jones:

Reference is made to your letter dated September 18, 1987 to the South Coast Air Quality Management District requesting an exemption from the Rule 1150 Excavation Management Plan and permit requirements for the proposed excavation of solvent contaminated soil at the Whittaker Bermite Div. Facility, located at 22116 W. Soledad Canyon Rd., Saugus, CA. It is our understanding that the excavation will consist of a trench 10 feet wide by 20 feet deep by 165 feet long and that the excavated soil will be stockpiled on site.

Based on the information provided, the District grants the requested exemption pursuant to Rule 1150(c)(4) for the proposed excavation process. However, please be advised that you will have to comply with Rule 402 (Nuisance) and Rule 403 (Fugitive Dust). A copy of both rules is enclosed for your information.

To help ensure compliance and minimize emissions, we strongly advise that you incorporate the following mitigation measure into your work plan:

> During excavation, all work areas, excavated material, and unpaved roadways should be watered down until the surface is moist and then maintained in a moist condition to minimize dust.

Please notify the undersigned at (818) 571-5163 at least one day prior to the commencement and within three days after the completion of the excavation.

If you have any questions, please call the undersigned.

Very truly yours,

William J. Dennison
Acting Director of Engineering

Greg Wood

Greg Wood
Asst. Engineer I

GGW:caz

Enclosures

cc: Alan Sorsher
Toxic Substance Control Div.

(Adopted May 7, 1976)

RULE 402. NUISANCE

A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

The provisions of this rule shall not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

(Adopted May 7, 1976)

RULE 403. FUGITIVE DUST

(a) A person shall not cause or allow the emissions of fugitive dust from any transport, handling, construction or storage activity so that the presence of such dust remains visible in the atmosphere beyond the property line of the emission source. (Does not apply to emissions emanating from unpaved roadways open to public travel or farm roads. This exclusion shall not apply to industrial or commercial facilities.)

(b) A person shall take every reasonable precaution to minimize fugitive dust emissions from wrecking, excavation, grading, clearing of land and solid waste disposal operations.

(c) A person shall not cause or allow particulate matter to exceed 100 micrograms per cubic meter when determined as the difference between upwind and downwind samples collected on high volume samplers at the property line for a minimum of five hours.

(d) A person shall take every reasonable precaution to prevent visible particulate matter from being deposited upon public roadways as a direct result of their operations. Reasonable precautions shall include, but are not limited to, the removal of particulate matter from equipment prior to movement on paved streets or the prompt removal of any material from paved streets onto which such material has been deposited.

(e) Subsections (a) and (c) shall not be applicable when the wind speed instantaneously exceeds 40 kilometers (25 miles) per hour, or when the average wind speed is greater than 24 kilometers (15 miles) per hour. The average wind speed determination shall be on a 15 minute average at the nearest official air-monitoring station or by wind instrument located at the site being checked.

(f) The provisions of this rule shall not apply to agricultural operations.

South Coast
AIR QUALITY MANAGEMENT DISTRICT
9150 FLAIR DRIVE, EL MONTE, CA 91731 (818) 572-6200

RECEIVED BY
WENCK ASSOCIATES INC.
FEB 22 1988

February 19, 1988

Mr. Christopher F. Thompson
Wenck Associates, Inc.
832 Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

Dear Mr. Thompson:

Reference is made to your letter dated February 3, 1988 requesting an additional exemption from Rule 1150(c)(4) to excavate soil contaminated with trichloroethylene at the Whittaker Bermite Division facility, located at 22116 W. Soledad Canyon Rd. in Saugus, California. It is our understanding that this excavation will consist of removing an additional 1100 cubic yards of soil by excavating the previously excavated trench to a depth of 30 feet. This excavation would bring the dimensions of the trench to 10 feet wide by 30 feet deep by 165 feet long.

Based on the information provided, the District has determined that this project does not require an Excavation Management Plan, and thus grants the requested exemption pursuant to Rule 1150(c)(4) for the proposed excavation project. However, please be advised that this exemption is for an excavation of a maximum of 1100 cubic yards and that you will have to comply with all requirements stated in the original exemption of September 28, 1987 (copy attached).

Please notify Mr. Greg Wood at (818) 571-5163 at least one day prior to the commencement and within three days after the completion of the excavation.

Please be advised that the District is currently developing proposed Rule 1166 - Volatile Organic Compound Emissions from Decontamination of Soil, which may be applicable to your aeration operations. At this time, Rule 1166 is schelduled to go before our Governing Board for adoption on March 4, 1988. Additional information on this rule may be obtained from Ms. Linda Basilio of our Rule Development Division at (818) 572-2175.

If you have any questions, please call Mr. Greg Wood at the above listed number.

Very truly yours,

William J. Dennison
Director of Engineering

Mohsen Nazemi
Supervising Engineer

GGW
Attachment
cc: Alan Sorsher
California State Dept. of Health

APPENDIX D

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Tox.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: 14107
2. Page 1 of 1 — Information in the s... is not required by Fede...

3. Generator's Name and Mailing Address: BERMITE DIV. OF WHITTAKER CORP. 22116 W. SOLEDAD CYN. RD. SAUGUS, CA. 91350
4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87204235
B. State Generator's ID: HAHQ36006504
C. State Transporter's ID: 808911
D. Transporter's Phone: (805) 937-8449
E. State Transporter's ID:
F. Transporter's Phone:

5. Transporter 1 Company Name: CASMALIA RESOURCES
6. US EPA ID Number: CAD020748125
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address: CASMALIA RESOURCES NTU ROAD CASMALIA, CA. 93429
10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125
H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	DT	00025	Y	State 611 / EPA/Other NON RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: a. SOIL CONTAMINATED WITH HALOGENATED ORGANICS

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information: WEAR PROTECTIVE CLOTHING, GLOVES & SAFETY GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health end the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM ERICKER — Signature: [signature] — Month Day Year: 12 10 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DOUGLAS EMAND — Signature: [signature] — Month Day Year: 12 10 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: # 99335 - 40,700 lbs. CASMALIA RESOURCES — Signature: Sherry Mobley Sherry Mobley — Month Day Year: 12 10 87

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department
Toxic Substances
Sacramento

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: 12107
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: BERMITE DIV. WHITTAKER CORP. 22116 W. SOLEDAD CYN. RD. SAUGUS, CA. 91350
4. Generator's Phone: (805) 259-7241

A. State Manifest Document Number: 87204236
B. State Generator's ID: HAHQ360065504
C. State Transporter's ID: 809156
D. Transporter's Phone: (805) 937-8449
E. State Transporter's ID:
F. Transporter's Phone:

5. Transporter 1 Company Name: CASMALIA RESOURCES
6. US EPA ID Number: CAD020748125
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address: CASMALIA RESOURCES NTU ROAD CASMALIA, CA. 93429
10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125
H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	DT	00017	Y	State 611 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: a. SOIL CONTAMINATED WITH HALOGENATED ORGANICS.

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information: WEAR PROTECTIVE CLOTHING, GLOVES, GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmant regulations.

If I am a large quantity generator, I cartify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of traatment, atorage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 12 1 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RANDY S. LINON — Signature: [signature] — Month Day Year: 12 1 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: #99366 - 40,080 lbs. CASMALIA RESOURCES — Signature: Sherry Mobley Sherry Mobley — Month Day Year: 12 1 87

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

—Health and Welfare Agency
JMB No. 2050—0039 (Expires 9-30-88)
/ type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD064[illegible] Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
BERMITE DIV. WHITTAKER CORP.
22116 W. SOLEDAD CYN. RD.
4. Generator's Phone (805) 259-2741 SANDUS, CA. 91350

A. State Manifest Document Number 87204238
B. State Generator's ID HIAH036096504

5. Transporter 1 Company Name HERN TRUCKING INC. 6. US EPA ID Number CAD009470949
C. State Transporter's ID 809467
D. Transporter's Phone (805) 544-3441

7. Transporter 2 Company Name 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
CASMALIA RESOURCES
NTU ROAD
CASMALIA, CA. 93429
10. US EPA ID Number CAD0120748125
G. State Facility's ID CAD0120748125
H. Facility's Phone (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No. State / EPA/Other
a. HAZARDOUS WASTE SOLID, N.O.S. ORM-E NA 9189	0017	DT	00017	Y	State 611 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. SOIL CONTAMINATED WITH HALOGENATED ORGANICS

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
WEAR PROTECTIVE CLOTHING, GLOVES, GOGGLES.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER Signature: [signature] Month Day Year: 1/20/1987

GENERATOR

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John Farnsworth Signature: John Farnsworth Month Day Year: 1/21/1987

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

TRANSPORTER

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources Signature: [signature] Month Day Year: 1/20/87

FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

99343 - ~~119,850~~ Follow: TSDF SEND THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

Health and Welfare Agency
OMB No. 2050—0039 (Expires 9-30-88)
or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: 12107
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: BERMITE DIV. WHITTAKER CORP. 22116 W. SOLEDAD CYN. RD.
4. Generator's Phone (805) 259-2241 SAUGUS, CA. 91350

A. State Manifest Document Number: 87204239
B. State Generator's ID: HAHQ36006504

5. Transporter 1 Company Name: HEARN TRUCKING INC.
6. US EPA ID Number: CAD082700949
C. State Transporter's ID:
D. Transporter's Phone: (805) 544-3441

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID: 409464
F. Transporter's Phone:

9. Designated Facility Name and Site Address: CASMALIA RESOURCES NTV ROAD CASMALIA, CA. 93429
10. US EPA ID Number: CAD020748125
G. State Facility's ID: CAD020748125
H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID, N.O.S. ORM-E NA 9189	002	DT	00017	Y	State 611 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: a. SOIL CONTAMINATED WITH HALOGENATED ORGANICS.

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information: WEAR PROTECTIVE CLOTHING, GLOVES, GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 12 1 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Mick Moore — Signature: [signature] — Month Day Year: 12 0 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19:
Printed/Typed Name: Casmalia Resources — Signature: Dennis Fraley — Month Day Year: 12 1 87

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/67)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

#99338 49,900/25

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

Health and Welfare Agency
MB No. 2050—0039 (Expires 9-30-88) LOAD TIME _____ DEPART GENERATOR _____
type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C A D 0 6 4 5 7 3 1 0 8 — Manifest Document No.: 1 1 7 7 7

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite , Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805 259-2241

A. State Manifest Document Number: 87611751

B. State Generator's ID: H A H 0 3 6 0 0 6 5 0 4

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: C A D 0 2 0 7 4 8 1 2 5

C. State Transporter's ID:
D. Transporter's Phone: 805-937-8449

7. Transporter 2 Company Name: James R Crooks
8. US EPA ID Number: C A D 9 8 1 4 0 4 0 1 5

E. State Transporter's ID: 807175
F. Transporter's Phone: 805-481-7806

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: C A D 0 2 0 7 4 8 1 2 5

G. State Facility's ID: C A D 0 2 0 7 4 8 1 2 5
H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Halogenated organic Contaminated soil, California Regulated Waste Only	00	DT	00017	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

GENERATOR COPY
Return To Generator

J. Additional Descriptions for Materials Listed Above
Soil contaminated with halogenated organics per attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can efford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 12 11 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: KEN CROOKS — Signature: Ken Crooks — Month Day Year: 12 11 87

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources — Signature: Dennis Fraley Dennis Fraley — Month Day Year: 12 11 87

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

99418 - 46,660 lbs

Retain TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

Agency
(Expires 9-30-88) LOAD TIME _____ DEPART GENERATOR _____
ned for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: 12117

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611752

B. State Generator's ID: HAH016006504

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD020748125

C. State Transporter's ID: 808913

D. Transporter's Phone: 805-937-8449

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Halogenated organic contaminated soil, California Regulated Waste only	09		99917	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
soil contaminated with halogenated organics per attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 12 11 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Lance Pennington — Signature: [signature] — Month Day Year: 12 11 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: # 99411-48, 78015 Casmalia Resources — Signature: Carol Johnston — Month Day Year: 12 11 87

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

... CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

WASTE MANIFEST CAD064573108 Document No. 12/1/17 of 1 is not required by Federal law.

3. Generator's Name and Mailing Address Bermite, Div. of Whittaker Corp. 22116 W. Soledad Canyon Rd., Saugus, CA. 91350	A. State Manifest Document Number 87611753
4. Generator's Phone (805) 259-2241	B. State Generator's ID HAHQ36999594
5. Transporter 1 Company Name CASMALIA RESOURCES — 6. US EPA ID Number CAD020748125	C. State Transporter's ID 809156 D. Transporter's Phone 8058378449
7. Transporter 2 Company Name — 8. US EPA ID Number	E. State Transporter's ID F. Transporter's Phone
9. Designated Facility Name and Site Address Casmalia Resources NTU Road Casmalia, CA. 93429 — 10. US EPA ID Number CAD020748125	G. State Facility's ID CAD028748125 H. Facility's Phone 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Halogenated organic contaminated soil, California Regulated Waste Only	991	DT	17	Y	State 611 EPA/Other Non Rcra
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Soil contaminated with halogenated organics per attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03 b.
c. d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
TIM BRICKER	[signature]	12 1 87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Randy S. Limon RANDY S. LIMON	Randy S. Limon	12 1 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepency Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
#99413-48,900 lbs Casmalia Resources	Marc Crosby [signature]	12 1 87

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

...nd Welfare Agency
...050—0039 (Expires 9-30-88) LOAD TIME _____ DEPART GENERATOR _____

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Form designed for use on elite (12-pitch typewriter).

...ORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064578108 — Manifest Document No.: 1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805 259-2241

A. State Manifest Document Number: 87611755

B. State Generator's ID: HAH036006504

5. Transporter 1 Company Name: JAMES R CROOKS

6. US EPA ID Number: CAD981404015

C. State Transporter's ID: 809797

D. Transporter's Phone: (805) 481 7806

7. Transporter 2 Company Name:

6. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste only	002	DT	00017	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
soil contaminated with halogenated organics per attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 12 1 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAMES R CROOKS — Signature: James R Crooks — Month Day Year: 12 1 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources — Signature: Dennis Fraley Dennis Fraley — Month Day Year: 12 1 87

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

99418 Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

LOAD TIME _____ DEPART GENERATOR _____

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.: 12/1/87
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350
4. Generator's Phone (805 259-2241

A. State Manifest Document Number: 87611756
B. State Generator's ID: HAHQ360065 04
C. State Transporter's ID: 808917
D. Transporter's Phone: 805 541 3441
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: CAD020748125
H. Facility's Phone: 805-937-8449

5. Transporter 1 Company Name: Hearn Trucking
6. US EPA ID Number: CAD082700949
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429
10. US EPA ID Number: CAD020748125

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	002	DT	00017	Y	State 611; EPA/Other Non RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Soil contaminated with halogenated organics per attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective cloghing, gloves and goggles.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER
Signature: [signature]
Month Day Year: 12 1 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Melvin Cecchetti
Signature: [signature]
Month Day Year: 12 1 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: #99422-45,080165 Casmalia Resources Marc Crosby
Signature: [signature]
Month Day Year: 12 1 87

GENERATOR
TRANSPORTER
FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

Health and Welfare Agency
OMB No. 2050—0039 (Expires 9-30-88)
type. (Form designed for use on elite (12-pitch typewriter).

LOAD TIME) _____ DEPART GENERATOR _____

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573168
Manifest Document No.: 12147
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611758
B. State Generator's ID: HAH036006504
C. State Transporter's ID: 807156
D. Transporter's Phone: 805-937-8449
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: CAD020748125
H. Facility's Phone: 805-937-8449

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD020748125

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Halogenated Organic contaminated soil, California Regulated Waste Only	01	DT	00017	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
soil contaminated with halogenated organics per analysis.

K. Handling Codes for Wastes Listed Above
a. 05
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quentity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM FRICKER
Signature: [signature]
Month Day Year: 12 14 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RANDY S. LINDON
Signature: [signature]
Month Day Year: 12 14 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources
Signature: [signature]
Month Day Year: 12 14 87

GENERATOR

TRANSPORTER

FACILITY

HS 8022 A (1/87)
PA 8700—22
(Rev. 9-86) Previous editions are obsolete.

#99475-53,08 Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

LOAD TIME 8 DEPART GENERATOR 9

Departi. Toxic Substa. Sa.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: 17147

2. Page 1 of 1

Information in the sha is not required by Feder.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611759

B. State Generator's ID: HAH036006504

5. Transporter 1 Company Name: Casmalia Resources

6. US EPA ID Number: CAD020748125

C. State Transporter's ID: 808930

D. Transporter's Phone: 805-9378449

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste ONly	01	DT	00015	Y	State 611; EPA/Other Non RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
soil contaminated with halogenated organics per analysis.

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 12 14 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jerry Conable — Signature: Jerry Conable — Month Day Year: 12 14 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: #99474 - 42,280 lbs. CASMALIA RESOURCES — Signature: Sherry Mobley Sherry Mobley — Month Day Year: 12 14 87

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88) LOAD TIME _____ DEPART GENERATOR _____ Department o. Toxic Substances . Sacrame.
Please print or type. (Form designed for use on elite (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: 12147
2. Page 1 of 1 — Information in the shaded a is not required by Federal la.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611760
B. State Generator's ID: HBH036006504
C. State Transporter's ID: 808905
D. Transporter's Phone: 805-937-8449
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: CAD029748125
H. Facility's Phone: 805-937-8449

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD020748125
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste ONly	002	CM	00015	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Soil contaminated with halogenated organics per analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 12 14 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William Buchanan — Signature: William Buchanan — Month Day Year: 12 14 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: # 99476 - 44,180 lbs. CASMALIA RESOURCES — Signature: Sherry Mobley Sherry Mobley — Month Day Year: 12 14 87

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

.n and Welfare Agency
.o. 2050—0039 (Expires 9-30-88)
(Form designed for use on elite (12-pitch typewriter).

LOAD TIME [illegible] DEPART GENERATOR [illegible]

Department of Health Services
Toxic Substances Control Division
Sacramento, California

.NIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573103 — Manifest Document No.:

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite Corp., Div. Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611729

B. State Generator's ID: HAH036006504

5. Transporter 1 Company Name: Casmalia Resources

6. US EPA ID Number: CAD020748125

C. State Transporter's ID: 808930

D. Transporter's Phone: 805-937-8449

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	1	GN	1	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
soil contaminated with halogenated organics per analysis.

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 12 15 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Douglas [illegible] — Signature: [signature] — Month Day Year: 12 15 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: # 99520-35, 7406 Casmalia Resources — Signature: [signature] — Month Day Year: 12 15 87

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

LOAD TIME _____ DEPART GENERATOR _____

Departn. Toxic Substan. Sacr.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: 11117

2. Page 1 of 1

Information in the shaded is not required by Federal

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-48241

A. State Manifest Document Number: 87611747

B. State Generator's ID: HAH036006504

5. Transporter 1 Company Name: Casmalia Resources

6. US EPA ID Number: CAD020748125

C. State Transporter's ID: 808929

D. Transporter's Phone: 805-937-8449

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated WAste Only	091	CM	99914	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
soil contaminated with halogenated organics per analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping neme and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generetion and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 12 15 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Grace Henrington — Signature: [signature] — Month Day Year: 12 15 87

16. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: # 99516 - 34,600 lbs. CASMALIA RESOURCES — Signature: Sherry Mobley Sherry Mobley — Month Day Year: 12 15 87

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

and Welfare Agency
2050—0039 (Expires 9-30-88)
(Form designed for use on elite (12-pitch typewriter).

LOAD TIME _____ DEPART GENERATOR _____

Department of Health Services
Toxic Substances Control Division
Sacramento, California

FORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD064573108 — Manifest Document No. 117117

2. Page 1 of ( )

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611762

B. State Generator's ID: 4400064504

5. Transporter 1 Company Name: Casmalia Resources

6. US EPA ID Number: CAD020748125

C. State Transporter's ID: 808 705

D. Transporter's Phone: 805-937-8449

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	012	CM	01001	Y	State 611; EPA/Other Non RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
soil contaminated with halogenated organics per analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 1/12/1987

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William Buchanan — Signature: William Buchanan — Month Day Year: 1/12/1987

16. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources — Signature: [signature] — Month Day Year: 1/12/1987

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

Health and Welfare Agency
OMB No. 2050—0039 (Expires 9-30-88) LOAD TIME _____ DEPART GENERATOR _____ Department of Health Services
Toxic Substances Control Division
Sacramento, California
type. (Form designed for use on elite (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: [illegible]
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611763
B. State Generator's ID: HNH036006504
C. State Transporter's ID: 809156
D. Transporter's Phone: 805-937-8449
E. State Transporter's ID:
F. Transporter's Phone:

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD020748125
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429
10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125
H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	901	DT	15	Y	State 611; EPA/Other Non RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Soil contaminated with halogenated organics per analysis.

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 12 1 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RANDY LIMON — Signature: Randy Limon — Month Day Year: 12 15 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: #99512-48,54016 Casmalia Resources — Signature: [signature] — Month Day Year: 12 15 87

GENERATOR — TRANSPORTER — FACILITY

HS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Departme.
Toxic Substanc
Sacra

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.:
2. Page 1 of 1
Information in the shade is not required by Federal

3. Generator's Name and Mailing Address: Bermite, Div of Whittaker Corp. 22116 W Soledad Canyon Rd., Saugus Ca. 91350
4. Generator's Phone (805) 259 2241

A. State Manifest Document Number: 87611844
B. State Generator's ID: HAHQ3600650A
C. State Transporter's ID: 808910
D. Transporter's Phone: (805) 937-8449
E. State Transporter's ID:
F. Transporter's Phone:

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CA D 02 07 48 1 2 5
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address: Casmalia Resources, NTU Road, Casmalia, CA 93429
10. US EPA ID Number: CA D 02 07 48 1 2 5

G. State Facility's ID: CAD02074812 5
H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. (Waste Halogenated organic contaminated soil) California Regulated Waste Only	001	DT	00014	Y	State 611 / EPA/Other NON RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: see attached analysis

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information: wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER
Signature: [signature]
Month Day Year: 1 2 2 2 8 7

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARK D. WALLEN
Signature: [signature]
Month Day Year: 1 2 2 1 8 7

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space: 212345

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources
Signature: Dennis Fraley Dennis Fraley
Month Day Year: 1 2 2 2 8 7

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

99757 - 462 Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Hea
Toxic Substances Cont
Sacramento,

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: 122247

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Bermite, Div of Whittaker Corp. 22116 W. Soledad Canyon Rd, Saugus Ca 91350

4. Generator's Phone (805 259-2241

A. State Manifest Document Number: 87611845

B. State Generator's ID:

5. Transporter 1 Company Name: Casmalia Resources — 6. US EPA ID Number: CA D 02 07 48 1 2 5

C. State Transporter's ID: 809156

D. Transporter's Phone: (805) 937-8449

7. Transporter 2 Company Name: — 8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Casmalia Resources, NTU Road, Casmalia, CA 93429 — 10. US EPA ID Number: CA D 02 07 48 1 2 5

G. State Facility's ID: CAD020748125

H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. (Waste halogenated organic Contaminated Soil) California Regulated Waste Only	001	DT	00114	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: See Attached Analysis

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information: wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 122287

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RANDY S. LIMON — Signature: Randy S. Limon — Month Day Year: 122287

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Sherry L. Hubley, Casmalia Resources — Signature: Gennie Fraley — Month Day Year: 122287

#99756 - 35,600 lbs.

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department Toxic Substances Sacramento

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CIA000614573 | Manifest Document No. 1108 | 2. Page 1 of 1

Information in the shaded a is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div of Whittake Corp.
22116 W. Soledad Canyon Rd., Saugus Ca 91350

4. Generator's Phone 805 259 2241

A. State Manifest Document Number 87611846

B. State Generator's ID

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CA TL 02 10T 08 1 P E

C. State Transporter's ID 808905

D. Transporter's Phone (805) 937-8449

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CA TL 02 10T 08 1 P E

G. State Facility's ID CIA 2012074811 2 5

H. Facility's Phone (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated Soil California Regulated Waste Only	001	CIM	1114	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER | Signature: [signature] | Month Day Year: 11 12 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William Buchanan | Signature: William Buchanan | Month Day Year: 11 12 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources # 99759-43,460 lbs | Signature: Dennis Haley Dennis Haley | Month Day Year: 11 12 1987

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Toxic Substances Sacramento

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: 12237

2. Page 1 of 1 — Information in the shaded area is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus Ca. 91350

4. Generator's Phone (805) 259 2241

A. State Manifest Document Number: 87611826

B. State Generator's ID: HAH036006504

5. Transporter 1 Company Name: Casmalia Resources — 6. US EPA ID Number: CAD020748125

C. State Transporter's ID: 809156

D. Transporter's Phone: (805) 937-8449

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. (Waste halogenated organic contaminated soil) California Regulated Waste Only	001	DT	0014	Y	State / EPA/Other 611 non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
see [redacted] analysis ON FILE AT CASMALIA

K. Handling Codes for Wastes Listed Above
a. 03 — b. — c. — d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 12 23 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RANDY S. LIMON — Signature: Randy S. Limon — Month Day Year: 12 23 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources #99805 - 48,660 lbs — Signature: Sherry Mobley — Month Day Year: 12 23 87

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS — INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of H...
Toxic Substances Co...
Sacramento,

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C A D 0 6 4 5 7 3 1 0 8
Manifest Document No.: 12237

2. Page 1 of 1

Information in the shaded area is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus Ca. 91350

4. Generator's Phone (805) 259-7741

A. State Manifest Document Number: 87611830

B. State Generator's ID: H A H 0 3 6 0 0 6 5 0 4

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CA D 0 2 0 7 4 8 1 2 5

C. State Transporter's ID: 808933

D. Transporter's Phone: (805) 937-8449

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429

10. US EPA ID Number: CA D 0 2 0 7 4 8 1 2 5

G. State Facility's ID: CAD020748125

H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. (Waste halogenated organic contaminated soil California Regulated Waste Only	001	QM	15	Y	State 611 / EPA/Other non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
see attached analysis

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER
Signature: [signature]
Month Day Year: 12 23 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [signature]
Signature: [signature]
Month Day Year: 12 23 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources
Sherry Mobley
Signature:
Month Day Year: 12 23 87

GENERATOR

TRANSPORTER

FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD064573198 Manifest Document No. 000014

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number 87611801

B. State Generator's ID HAH036065041

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD982074825

C. State Transporter's ID 809756

D. Transporter's Phone (805) 937-8449

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CAD982074825

G. State Facility's ID CAD982974825

H. Facility's Phone (805) 937-8449

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Halogenated Organic contaminated soil, California Regulated Waste Only	011	CM	00016	Y	State 611; EPA/Other Non RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Soil contaminated with halogenated organics per analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: GLEN ABDUN-NUR | Signature | Month Day Year: 10 10 88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARK P. WALLEN | Signature | Month Day Year: 10 10 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources #100282 - 45,760 lbs. | Signature: Sherry Mobley | Month Day Year: 10 10 88

HS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of He...
Toxic Substances Cont...
Sacramento, ...

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.: [illegible]
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350
4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611802
B. State Generator's ID: HAHQ36006504

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD 02 07 48 1 2 5
C. State Transporter's ID:
D. Transporter's Phone: (805) 937-8449

7. Transporter 2 Company Name: Hearn Trucking
8. US EPA ID Number: CAD082700944
E. State Transporter's ID: 808947 + 948
F. Transporter's Phone: 805 544 3441

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CAD 02 07 48 1 2 5
G. State Facility's ID: CAD029748125
H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Halogenated Organic contaminated soil, California Regulated Waste Only	02	QM	00016	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Soil contaminated with halogenated organics per analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: GLEN ABDUN-NUR
Signature: [signature]
Month Day Year: 01 08 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Melvin Cecchetti
Signature: [signature]
Month Day Year: 01 08 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources
Signature: [signature]
Month Day Year: 01 08 88

GENERATOR

TRANSPORTER

FACILITY

HS 8022 A (1/87)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

#100264-46, 1/30/88

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department
Toxic Substances
Sacrams.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.:
2. Page 1 of
Information in the shaded a... is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805 259-2241

A. State Manifest Document Number: 87611803
B. State Generator's ID: HAH036006504

5. Transporter 2 Company Name: Casmalia Resources
6. US EPA ID Number: CAD 020748125
C. State Transporter's ID:
D. Transporter's Phone: (805) 937-8449

7. Transporter 1 Company Name: James R Crooks
8. US EPA ID Number: CAD781404015
E. State Transporter's ID: 861175
F. Transporter's Phone: 805-451-7806

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CAD 020748125
G. State Facility's ID: CAD020748125
H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Halogenated organic contaminated soil, California Regulated Waste Only	02	CM	00016	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Soil contaminated with halogenated organics per analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: GLEN ABDUN-NUR
Signature: [signature]
Month Day Year: 9/10/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ken Crooks
Signature: [signature]
Month Day Year: 9/10/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources
Signature: [signature]
Month Day Year: 9/10/88

GENERATOR
TRANSPORTER
FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

100269-66-36022 Yellow: ISDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of H
Toxic Substances C
Sacramen

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CLALD016141517131110 18 — Manifest Document No. 01181818

2. Page 1 of 1

Information in the shaded ar is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350k

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number 87611908

B. State Generator's ID HAH036065041

5. Transporter 1 Company Name: Casmalia Resources — 6. US EPA ID Number: CA D 02 07 48 1 2 5

C. State Transporter's ID 888929 — D. Transporter's Phone (805) 937-8449

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address: Casmalia Resources, NTU Road, Casmalia, CA 93429 — 10. US EPA ID Number: CA D 02 07 48 1 2 5

G. State Facility's ID CAD020748125

H. Facility's Phone (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Halogenated Organic contaminated soil, California Regulated Waste Only	001	DT	1 1 1/4	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Soil contaminated with halogenated organics per analysis.

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and gogles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: GLEN ABDUN-NUR — Signature — Month Day Year 10/10 88 18

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RANDY S LIMON — Signature — Month Day Year 10/10 88 18

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources — Signature — Month Day Year 10/10 88 18
#100283-24,100 lbs.

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL ...

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD064573108 — Manifest Document No. 6

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Bermite Corp. Division of Whittaker Corp. 22116 W Soledad Canyon Rd., Saugus, CA 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87311719

B. State Generator's ID: HAH0360065 04

5. Transporter 1 Company Name: James E Crooks — 6. US EPA ID Number: CAD181404015

C. State Transporter's ID: 801175

D. Transporter's Phone: 805 [illegible]

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Casmalia Resources, NTU Road, Casmalia, Ca. 93429 — 10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: 805-737-8441

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. "RQ" Hazardous Waste Solid N.O.S. Cr-E NA9187 (Chromium)	02	DT	00016		State 611 / EPA/Other D007
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: Soil contaminated with metals for analysis Chromium 174 ppm

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information: Wear protective clothing, gloves and safety goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: GLEN ABDUN-NUR — Signature: [signature] — Month Day Year: 01 11 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] — Signature: [illegible] — Month Day Year: 01 11 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Sherry L. Mosher — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 6700—22
(Rev. 9-86) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 1 4 7 3 1 5 — Manifest Document No.

2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Beatty Corp. Division of Unitarian Corp. 2200 Soledad Canyon Rd., Saugus, Ca

4. Generator's Phone ( ) 2 2 4 1

A. State Manifest Document Number: 8TR1T2B

B. State Generator's ID

5. Transporter 1 Company Name: James R. Crooks — 6. US EPA ID Number: CAD 9 8 1 4 4 0 1 5

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Chemical Waste Management, 11 Road, Ca. 93429 — 10. US EPA ID Number: CAD 0 2 0 7 0 8 1 2 5

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Q9 Hazardous waste solid NOS (Chromium)	02	DT	17	Y	State 611 / EPA/Other D007
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: Soil contaminated with metals, primarily chromium

K. Handling Codes for Wastes Listed Above: a. D9 b. c. d.

15. Special Handling Instructions and Additional Information: Wear protective clothing.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: GLEN ABDON-NUR — Signature — Month Day Year: 1 1 1 1 8 8

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: James R. Crooks — Signature — Month Day Year: 1 1 1 1 5 5

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD [illegible]
Manifest Document No.:

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Berkite Corp Division of Whittaker Corp [illegible] Canyon Rd. Saugus CA 91350

4. Generator's Phone (805) 25[illegible]

A. State Manifest Document Number: 87611804

B. State Generator's ID:

5. Transporter 1 Company Name:

6. US EPA ID Number:

C. State Transporter's ID: 809156

D. Transporter's Phone:

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Casmalia Resources
NTU Road
Casmalia, CA 93429

10. US EPA ID Number: CA [illegible]

G. State Facility's ID: CAD [illegible]

H. Facility's Phone: (805) [illegible]

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazard Waste Solid Nos Ornd (Chromium) [illegible]	01	DT	00018		State 611 / EPA/Other D007
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: Soil contaminated with metals per Analysis Chromium 174 ppm

K. Handling Codes for Wastes Listed Above: a. [illegible] b. c. d.

15. Special Handling Instructions and Additional Information: wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: GLEN ABDUN-NUR
Signature: [signature]
Month Day Year: 01 11 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible]
Signature: [illegible]
Month Day Year:

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [illegible]
Signature:
Month Day Year:

GENERATOR

TRANSPORTER

FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-[illegible]

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 064571311 Manifest Document No. 010016

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number 87611805

B. State Generator's ID HAH036005

5. Transporter 1 Company Name ~~Casmalia Resources~~ ~~CA Id delete had 1 b e~~

6. US EPA ID Number

C. State Transporter's ID ~~809195~~

D. Transporter's Phone ~~(805) 937-9449~~

7. Transporter 2 Company Name James R Crooks

8. US EPA ID Number CAD981404015

E. State Transporter's ID 809195

F. Transporter's Phone 8054817806

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
~~Casmalia, CA 93429~~ ~~CA Id delete had 1 b e~~

10. US EPA ID Number

G. State Facility's ID CAD929748125

H. Facility's Phone ~~(805) 937-9449~~

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste ONly	002	DIT	010016	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Jerald Conable for Glen Abdun-nur
Signature: Jerald Conable for Glen Abdun-nur
Month Day Year: 9 1 1 88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

16. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ken Crooks
Signature: Ken Crooks
Month Day Year: 9 1 1 88

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: ~~Sherry L. Mobley~~ Casmalia Resources #100322-50666145
Signature: Sherry Mobley
Month Day Year: 9 1 1 88

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD016141517131108
Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350
4. Generator's Phone (805 259-2241

A. State Manifest Document Number 87611806
B. State Generator's ID HAH100000606

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD981996338
C. State Transporter's ID 809156
D. Transporter's Phone (805) 937-8449

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CAD981996338
G. State Facility's ID CAD020748125
H. Facility's Phone (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste ONly	1	DT	6000/18	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
see attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Jerald Conchle for Glen Abdun-ner
Signature: Jerald Conchle for Glen Abdun-ner
Month Day Year: 10 11 1 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Michael D Dorling
Signature: Michael D Dorling
Month Day Year: 10 1 1 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources #100323-54,180163
Signature: Sherry Mobley
Month Day Year: 10 1 1 88

GENERATOR
TRANSPORTER
FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA[illegible] Manifest Document No. [illegible]

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address [illegible]

4. Generator's Phone ( ) [illegible]

A. State Manifest Document Number 87611808

B. State Generator's ID [illegible]

5. Transporter 1 Company Name Casmalia Resources

6. US EPA ID Number CA[illegible]

C. State Transporter's ID [illegible]

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429

10. US EPA ID Number CA 5 07 07 48 3 7 5

G. State Facility's ID CAL[illegible]

H. Facility's Phone (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ [illegible]	01	DT	00020	Y	State [illegible] / EPA/Other D007
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
5 [illegible]

K. Handling Codes for Wastes Listed Above
a. C3 b.
c. d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: GLEN ARDUINI-MUR | Signature | Month Day Year: 01 1 1 98

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Michael D [illegible] | Signature | Month Day Year: 01 1 1 98

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month Day Year

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-[illegible]

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350
4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611905
B. State Generator's ID: HAH036006504

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD 020748125
C. State Transporter's ID:
D. Transporter's Phone: (805) 937-8449

7. Transporter 2 Company Name: James R. Crooks
8. US EPA ID Number: CAD981404015
E. State Transporter's ID:
F. Transporter's Phone: 805-481-7806

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CAD 020748125
G. State Facility's ID: CAD020748125
H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Halogenated organic contaminated soil, California Regulated Waste Only	02	DT	17	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Jerald Comble for Glen Abdoun-nur
Signature: Jerald Comble for Glen Abdoun-nur
Month Day Year: 01 11 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: James R Crooks
Signature: James R. Crooks
Month Day Year: 01 11 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Sherry L. Mobley
Casmalia Resources #100332-
Signature: Sherry Mobley
Month Day Year: 01 11 88

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CALD016415713110 Manifest Document No. 010105

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611906

B. State Generator's ID: 91A4960654

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CA D 02 07 48 1 2 5

C. State Transporter's ID

D. Transporter's Phone: (805) 937-8449

7. Transporter 2 Company Name: James R. Crooks
8. US EPA ID Number: CALD981811410

E. State Transporter's ID

F. Transporter's Phone: 805-481-7806

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CA D 02 07 48 1 2 5

G. State Facility's ID: CAD029748125

H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	1	DT	010120	Y	State 611; EPA/Other Non RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Jerald Conable for Alex Abdurrahman
Signature: Jerald Conable for Alex Abdurrahman
Month Day Year: 10 11 88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Douglas E. Mead
Signature: Douglas E. Mead
Month Day Year: 10 11 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources
Signature: Sherry Dobley
Month Day Year: 10 11 88

#100326-49,480lbs

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 0 6 4 5 7 3 1 9 8 — Manifest Document No.

2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611865

B. State Generator's ID: CAD 0 6 4 5 7 3 1 9 8

5. Transporter 1 Company Name — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number
Casmalia Resources
NTU Road
Casmalia, CA 93429

G. State Facility's ID

H. Facility's Phone (805) 937-2446

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	01	CM		Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Sherry Mulkey for Glen Adamson — Signature: [illegible] — Month Day Year: 6 1 2 1 8

GENERATOR

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

TRANSPORTER

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Sherry L. Mobley, Casmalia Resources — Signature — Month Day Year

FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.: 012988
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350
4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611867
B. State Generator's ID: HAH036006504
C. State Transporter's ID: 808930
D. Transporter's Phone: (805) 937-8449
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: CAP929748125
H. Facility's Phone: (805) 937-8449

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD020748125
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CAD020748125

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	9	1C	000018	Y	State 611; EPA/Other Non RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 07
b.
c.
d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Agent Sherry Mobley for Glen Abdun-nur
Signature: Sherry Mobley for Glen Abdun-nur
Month Day Year: 01 29 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Michael D. Norling
Signature: Michael D. Norling
Month Day Year: 01 20 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space
67969

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Sherry L. Mobley
Casmalia Resources
Signature: Sherry Mobley
Month Day Year: 01 29 88

#100641 - 42,000 lbs.

GENERATOR
TRANSPORTER
FACILITY

DHS 8022 A (1/67)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: 00051
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon RD., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611869
B. State Generator's ID: HAH036006504

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD 02 07 48 1 2 5
C. State Transporter's ID: 808929
D. Transporter's Phone: (805) 937-8449

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CAD 02 07 48 1 2 5
G. State Facility's ID: CAD029748125
H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	01	QM	17	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
e. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Agent Sherry Mobley for Glen Abdon-nur
Signature: Sherry Mobley for Glen Abdon-nur
Month Day Year: 01 29 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Grace L Pennington
Signature: [signature]
Month Day Year: 01 20 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Sherry L. Mobley, Casmalia Resources
Signature: Sherry Mobley
Month Day Year: 01 29 88

#100642 - 43,320 lbs.

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C|A|D|0|6|4|5|7|3|1|0|8 Manifest Document No. 002192

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. SoledadCanyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number 87611875

B. State Generator's ID H|A|H|0|3|6|0|0|6|5|0|4|

5. Transporter 1 Company Name Casmalia Resources
6. US EPA ID Number CA D 02 07 48 1 2 5

C. State Transporter's ID
D. Transporter's Phone (805) 937-8449

7. Transporter 2 Company Name HORN TRUCKING INC
8. US EPA ID Number CHD 982709949

E. State Transporter's ID 809467
F. Transporter's Phone 805 5443441

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number CA D 02 07 48 1 2 5

G. State Facility's ID CAD020748125
H. Facility's Phone (805) 937-8449

GENERATOR:

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	002	DT	0016	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Clint McKinney
Signature: Clint McKinney
Month Day Year: 09/21/88

TRANSPORTER:

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John Farnsworth
Signature: John Farnsworth
Month Day Year: 09/21/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACILITY:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Sherry L. Hubley
Casmalia Resources
Signature: Judy M Blaine
Month Day Year: 09/21/88

DHS 8022 A (1/87)
EPA 8700—22 (Rev. 9-86) Previous editions are obsolete.

100695-SO,SOD(6)2

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CIAID016141501311018 Manifest Document No. [illegible]

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611876

B. State Generator's ID: HAH036006504

5. Transporter 2 Company Name: Casmalia Resources
6. US EPA ID Number: CAD 02 07 48 1 2 5

C. State Transporter's ID:
D. Transporter's Phone: ~~(805) 937-8449~~

7. Transporter 1 Company Name: HEKN TRUCKING INC
8. US EPA ID Number: CAD 099 099 449

E. State Transporter's ID: 809970-971
F. Transporter's Phone: 805-514-3141

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CAD 02 07 48 1 2 5

G. State Facility's ID: CIAD020748125
H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	002	DT	00016	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: [illegible] | Signature: [illegible] | Month Day Year: [illegible]

TRANSPORTER

17. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: ~~[illegible]~~ | Signature: ~~[illegible]~~ | Month Day Year: ~~[illegible]~~

18. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: WAYNE WALLACE | Signature: Wayne Wallace | Month Day Year: 11/12/87

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Sherry L. Mobley Casmalia Resources | Signature: Sherry L. Mobley | Month Day Year: 11/12/87

DHS 8022 A (1/87) #100676-51,46,48
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: 00001

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611877

B. State Generator's ID: HAH036006504

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD 02 07 48 1 2 5

C. State Transporter's ID: 202903

D. Transporter's Phone: (805) 937-8449

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429

10. US EPA ID Number: CAD 02 07 48 1 2 5

G. State Facility's ID: CAD029748125

H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	002	CM	14	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Clint McKinney — Signature: Clint McKinney — Month Day Year: 9/2/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William Buchanan — Signature: William Buchanan — Month Day Year: 9/2/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Sherry L. Mobley, Casmalia Resources — Signature: Sherry Mobley — Month Day Year: 9/2/88

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/67) #100693 - 39,200 lbs.
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Departn.
Toxic Substa.
Sac

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.:
2. Page 1 of
Information in the shad is not required by Federa

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87611632
B. State Generator's ID: HAH036076504

5. Transporter 1 Company Name: Casmalia ~~XXXX~~ Resources
6. US EPA ID Number: CAD020748125
C. State Transporter's ID: 808929
D. Transporter's Phone: 805-937-8449

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125
G. State Facility's ID: CAD020748125
H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste ONly	01	CM	015	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me end that I can afford.

Printed/Typed Name: GLEN ARDUN-NUR
Signature: [signature]
Month Day Year: 10 12 78

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible]
Signature: [signature]
Month Day Year: 10 12 78

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: #100868 - 38,620 lbs. CASMALIA RESOURCES
Signature: Sherry Mobley Sherry Mobley
Month Day Year: 10 12 78

GENERATOR
TRANSPORTER
FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD020531984
Manifest Document No.: 12785

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Whittaker Corp.
5159 Baltimore Drive, La Mesa, CA. 92041

4. Generator's Phone (619) 469-0171

A. State Manifest Document Number: 87611562

B. State Generator's ID:

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD020748125

C. State Transporter's ID: 809150

D. Transporter's Phone: 805-937-8449

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID:

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Hydrocarbon Contaminated Soil, California Regulated Waste Only	01	DT	9916	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Jerald Connable agent for Tim Bricker
Signature: [signature] Month Day Year: 01 27 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RANDY S. LIMON
Signature: Randy S. Limon
Month Day Year: 01 27 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month Day Year:

GENERATOR

TRANSPORTER

FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL ...

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 6 1 4 1 5 7 3 1 1

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA

4. Generator's Phone (805) 259-2241

5. Transporter 1 Company Name: Casmalia Resources
6. US EP: CA D 0 2 0 7 4 8

7. Transporter 2 Company Name
8. US EP:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EP: CA D 0 2 0 7 4 8

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Num

a. Waste halogenated organic contaminated
California Regulated Waste Only

b.

c.

d.

J. Additional Descriptions for Materials Listed Above
See attached analysis.

15. Special Handling Instructions and Additional Information
wear protective clothing, gloves and

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this
name and are classified, packed, marked, and labeled, and are in all resp
international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to
determined to be economically practicable and that I have selected the pr
me which minimizes the present and future threat to human health and the
faith effort to minimize my waste generation and select the best waste mana

Printed/Typed Name: GLEN ABDUN-NUR
Signature

GENERATOR

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Michael D Martin
Signature

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature

TRANSPORTER

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered
Printed/Typed Name: Sherry L. Nobley
Signature

FACILITY

DHS 8022 A (1/87) #100869-45260 lbs.
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENE

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE C

BY: CASMALIA RESOURCES WEIGHMASTER
DEPUTY Emma Fraley
1-27-88 3:05PM
DRIVER Michael Martin
☒ HAZARDOUS CLASS 15 SPR CR ☐ NON-HAZARDOUS

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY THAT THE FOLLOWING DESCRIBED COMMODITY WAS WEIGHED, MEASURED, OR COUNTED BY A WEIGHMASTER, WHOSE SIGNATURE IS ON THIS CERTIFICATE, WHO IS A RECOGNIZED AUTHORITY OF ACCURACY AS PRESCRIBED BY CHAPTER 7 (COMMENCING WITH SECTION 12700) OF DIVISION 5 OF THE CALIFORNIA BUSINESS AND PROFESSIONS CODE, ADMINISTERED BY THE DIVISION OF MEASUREMENT STANDARDS OF THE CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE.

WEIGHED AT: N.T.U. ROAD, CASMALIA, CA.

WEIGHT IN POUNDS:

74280 lb GROSS
12t 29020 lb TARE
45260 lb NET

CASMALIA RESOURCES
P.O. BOX 5278 • SANTA BARBARA, CA 93150 • PHONE (805) 968-5897

100869

GENERATOR Bermite Div. of Whittaker
TRANSPORTER Casmalia Resources
BILLED TO
POINT OF ORIGIN Saugus Ca
WASHOUT: YES ___ NO ___
MANIFEST # 87611885

TRUCK LIC. #'S 7X 81900
TRAILER LIC. #'S 108269
APPOINTMENT NUMBER

FOR OFFICE USE ONLY
1. ___ @ ___
2. ___ @ ___
3.
4. WASHOUT
5. Hazardous Waste Fee ___ TONS @ ___
6. SUPERFUND
7. S. B. COUNTY TAX
TOTAL $

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of H
Toxic Substances Co
Sacramento,

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD064573108 Manifest Document No. 12718

2. Page 1 of 1

Information in the shaded area is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number 87040013

B. State Generator's ID HAH036004504

5. Transporter 1 Company Name: Casmalia Resources

6. US EPA ID Number: CAD020748125

C. State Transporter's ID 80915

D. Transporter's Phone 805-937-8449

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID CAD020748125

H. Facility's Phone 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste ONly	001	DT	0016	Y	State 611; EPA/Other Non RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: TIM ERICKER | Signature: [signature] | Month Day Year: 09 29 88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RANDY S. LIMON | Signature: [signature] | Month Day Year: 09 29 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: #101010 - 44,820 lbs CASMALIA RESOURCES | Signature: Sherry Mobley Sherry Mobley | Month Day Year: 09 29 88

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of H
Toxic Substances Co
Sacramento

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.: 900105
2. Page 1 of 1
Information in the shaded area is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87640018
B. State Generator's ID: HAH036006504
C. State Transporter's ID: 808905
D. Transporter's Phone: 805-937-8449
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: CAD020748125
H. Facility's Phone: 805-937-8449

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD020748125
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	02	CM	000114	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and ggoggles.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER
Signature: [signature]
Month Day Year: 01 29 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William Buchanan
Signature: William Buchanan
Month Day Year: 01 29 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: #100993-46,640 lbs. CASMALIA RESOURCES
Signature: Sherry Mobley Sherry Mobley
Month Day Year: 01 29 88

GENERATOR
TRANSPORTER
FACILITY

HS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of H...
Toxic Substances Co...
Sacramento,

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108 — Manifest Document No.: 99991

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87640019

B. State Generator's ID: HAHQ3600650 4

5. Transporter 1 Company Name: Casmalia Resources

6. US EPA ID Number: CAD020748125

C. State Transporter's ID: 808910

D. Transporter's Phone: 805-937-8449

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	001	DT	00017	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 01 29 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jerald Conable — Signature: Jerald Conable — Month Day Year: 01 29 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space
217 [illegible]

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: #100982-53,700 lbs CASMALIA RESOURCES — Signature: Sherry Mobley Sherry Mobley — Month Day Year: 01 29 88

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL: CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL ...

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of
Toxic Substances Co.
Sacramento,

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.: 10005
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad CAnyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87640020
B. State Generator's ID: HAHQ36006504

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD020748125
C. State Transporter's ID: 808935
D. Transporter's Phone: 805 937 8449

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125
G. State Facility's ID: CAD020748125
H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	1	CM	16	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER
Signature: [signature]
Month Day Year: 01 29 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Grace L Pennington
Signature: [signature]
Month Day Year: 01 29 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: #101008-40,940 lbs. CASMALIA RESOURCES
Signature: Sherry Mobley Sherry Mobley
Month Day Year: 01 29 88

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN ...

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

711 - 825

Department of Toxic Substances Control
Sacramento

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD064573108 — Manifest Document No. 39192

2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87640021

B. State Generator's ID: HAH036006304

5. Transporter 1 Company Name: HEAZEN TRUCKING INC — 6. US EPA ID Number: CAD087070949

C. State Transporter's ID: 809467

D. Transporter's Phone: 805 514 3141

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CADOOR0PVVR5

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste only	002	DT	00016	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

GENERATOR COPY
Return to Generator

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: TIM FRICKER — Signature: [signature] — Month Day Year: 01 29 88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John Farnsworth — Signature: [signature] — Month Day Year: 01 29 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources — Signature: [signature] — Month Day Year: 01 29 88

DHS 8022 A (1/87) #100975-486660
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS — INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802 WITH

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Sc.
Toxic Substances Control Divis.
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.: 10074
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350
4. Generator's Phone (805 259-2241

A. State Manifest Document Number: 87640022
B. State Generator's ID: HAH036006504

5. Transporter 1 Company Name: James R. Crooks
6. US EPA ID Number: CAD981404015
C. State Transporter's ID: 809297
D. Transporter's Phone: 805/481-7806

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429
10. US EPA ID Number: CAD020748125
G. State Facility's ID: CAD020748125
H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	002	DT	016	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently aveileble to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER
Signature: [signature]
Month Day Year: 01 29 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAMES R. CROOKS
Signature: James R. Crooks
Month Day Year: 01 29 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources
Signature: Gennis Fraley Gennis Fraley
Month Day Year: 01 29 88

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A (1-87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Departme
Toxic Substanc
Secre

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD064573108 — Manifest Document No. 202818

2. Page 1 of 1 — Information in the shad is not required by Fede

A. State Manifest Document Number 87040038

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

B. State Generator's ID HAH013610165014

4. Generator's Phone (805) 259-2241

5. Transporter 1 Company Name: Casmalia Resources — 6. US EPA ID Number CAD020748125

C. State Transporter's ID 809156

D. Transporter's Phone 805-937-8449

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429 — 10. US EPA ID Number CAD020748125

G. State Facility's ID CAD020748125

H. Facility's Phone 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	001	DT	10000	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attahced analysis.

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: TIM BRICKER — Signature — Month Day Year 10 21 1988

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RANDY S. LIMON — Signature — Month Day Year 10 21 1988

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: #101124-47,280 lbs. CASMALIA RESOURCES — Signature — Month Day Year 10 21 1988

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS — INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Toxic Subs. Sec.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 9 6 4 5 7 3 1 1 0 1 8 — Manifest Document No. 00002

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87640037

B. State Generator's ID: HAHD3 6 0 5 5 0 4

5. Transporter 1 Company Name: Casmalia Resources

6. US EPA ID Number: CAD 0 2 0 7 4 8 1 2 5

C. State Transporter's ID: 808110

D. Transporter's Phone: 805-937-8449

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD 0 2 0 7 4 8 1 2 5

G. State Facility's ID: CAD020748125

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	001	PT	00016	Y	State 611; EPA/Other Non RCRA
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: TIM BRICKER — Signature: [signature] — Month Day Year: 1 1 2 1 1 8

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARK P. WALLER — Signature: Mark P. Waller — Month Day Year: 02 02 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: #101123-48,080 lbs. CASMALIA RESOURCES — Signature: Sherry Mobley — Month Day Year: 0 2 0 2 8 8

HS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.:
2. Page 1 of
Information in the ... is not required by Federal ...

3. Generator's Name and Mailing Address
Bermite, Div of Whittaker Corp.
22116 W. Soledad Canyon Rd, Saugus, CA 91350
4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87581324
B. State Generator's ID: HAH036006504

5. Transporter 1 Company Name: Heron Trucking Inc
6. US EPA ID Number: CAD082700949
C. State Transporter's ID: 809467
D. Transporter's Phone: 805 544 3441

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CAD020748125
G. State Facility's ID: CAD020748125
H. Facility's Phone: 805 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Halogenated organic contaminated soil California Regulated Waste only	002	QT	00016	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Chuck Zimmerman
Signature: Chuck Zimmerman
Month Day Year: 02 09 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John Farnsworth
Signature: John Farnsworth
Month Day Year: 02 09 88

16. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources
Signature: Dennis Fraley Dennis Fraley
Month Day Year: 02 09 88

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: SEND THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

H 101319 - 43,360 lbs

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of H
Toxic Substances Co
Sacrament

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.:
2. Page 1 of
Information in the shaded a is not required by Federal law

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp
22116 W. Soledad Canyon Rd, Saugus, CA 91350
4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87581326
B. State Generator's ID: HAHD36006504

5. Transporter 1 Company Name: HEARN TRUCKING INC
6. US EPA ID Number: CAD082700949
C. State Transporter's ID: 808985
D. Transporter's Phone: 805 5493441

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CAD020748125
G. State Facility's ID: CAD020748125
H. Facility's Phone: 805 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Halogenated organic contaminated soil California Regulated Waste only	002	DT	00016	4	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis

K. Handling Codes for Wastes Listed Above
e. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Chuck Zimmerman
Signature: Chuck Zimmerman
Month Day Year: 09 29 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ronald L. Montgomery
Signature: Ronald L. Montgomery
Month Day Year: 02 09 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources
Signature: Alice Brown
Month Day Year: 02 09 88

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

10135 Oct 35, 2201 COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802 WITHIN

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department o.
Toxic Substances
Sacrame.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.:

2. Page 1 of

Information in the shaded a is not required by Federal la

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Corp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350

4. Generator's Phone (805) 259-2241

A. State Manifest Document Number: 87640040

B. State Generator's ID: HAH036006504

5. Transporter 1 Company Name: James [illegible]
6. US EPA ID Number: [illegible]

C. State Transporter's ID: [illegible]

D. Transporter's Phone: [illegible]

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	001	DT	000116	Y	State / EPA/Other 611
b.					State Non RCRA / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attahced analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER
Signature: [signature]
Month Day Year: 02/1/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible]
Signature: [illegible]
Month Day Year: 02/1/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources
Signature: Dennis Fraley Dennis Fraley
Month Day Year: 02/1/88

GENERATOR

TRANSPORTER

FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

H-W-465 - 53340 lbs

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL [illegible]

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Hea
Toxic Substances Cont
Sacramento,

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD064573108
Manifest Document No.: 00012
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bermite, Div. of Whittaker Copp.
22116 W. Soledad Canyon Rd., Saugus, CA. 91350
4. Generator's Phone (805 259-2241

A. State Manifest Document Number: 87640041
B. State Generator's ID: HAH036006504

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD020748125
C. State Transporter's ID: 808911
D. Transporter's Phone: 805 937 8449

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Road
Casmalia, CA. 93429
10. US EPA ID Number: CAD020748125
G. State Facility's ID: CAD020748125
H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste halogenated organic contaminated soil, California Regulated Waste Only	001	DT	00016	Y	State 611 / EPA/Other Non RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
See attached analysis.

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear protective clothing, gloves and goggles.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TIM BRICKER
Signature: [signature]
Month Day Year: 02 11 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jerald Conable
Signature: [signature]
Month Day Year: 02 11 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: CASMALIA RESOURCES #101458 - 35,040 lbs.
Signature: Sherry Mobley Sherry Mobley
Month Day Year: 02 11 88

GENERATOR
TRANSPORTER
FACILITY

DHS 8022 A (1/67)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

APPENDIX E

NO

Wenck Associates, Inc.
832 Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR: Norm Wenck

PROJ. NO.:

PROJECT NAME: Bermite Whittaker Corp.

SAMPLERS (Signature): Henry He

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	EPA 8240						REMARKS
5-3-47	2-15 88	7:30		✓	Node 5-3-47 th Lift	1	✓						
3-2-49	2-15	12:00		✓	Node 3-2-49 th "	1	✓						
7-2-50	2-15	17:00		✓	Node 7-2-50 th "	1	✓						
5-1-51	2-16	8:00		✓	Node 5-1-51 st "	1	✓						
6-1-52	2-16	14:00		✓	Node 6-1-52 nd "	1	✓						
4-2-53	2-17	9:00		✓	Node 4-2-53 rd "	1	✓						
7-2-54	2-17	14:00		✓	Node 7-2-54 th "	1	✓						
5-3-55	2-18	9:00		✓	Node 5-3-55 th "	1	✓						
4-2-56	2-18	15:00		✓	Node 4-2-56 th "	1	✓						
5-3-57	2-19	9:00		✓	Node 5-3-57 th "	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Henry He	2-19-88	10:30	[signature]				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks

DISTRIBUTION: Original Accompanies Shipment; Copy to Coordinator Field Files

Wenck Associates, Inc.
832 Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR: NORM WENCK

PROJ. NO.:

PROJECT NAME: BERMITE

SAMPLERS (Signature): Gregory W. Smith

STA. NO.	DATE 1988	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	8240						REMARKS
8,3	2/9	1500		X	317 AREA lift 48	1							
7,3	2/9	1515		X	" " 43	1							
4,1	2/11	1540		X	" " 44	1							
6,3	2/11	1600		X	" " 44	1							
4,2	2/12	1115		X	" " 46	1							
3,1	2/12	1120		X	" " 46	1							

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Gregory W. Smith	02-15-88	2:20 pm	[illegible]				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks

DISTRIBUTION: Original Accompanies Shipment; Copy to Coordinator Field Files

Wenck Associates, Inc.
832 Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR: NORMAN C. WENCK

PROJ. NO.:

PROJECT NAME: BERMITE

SAMPLERS (Signature): Gregory W Smith

STA. NO.	DATE 88	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS							REMARKS
1	Y26	1415		X	AREA 317 2ND LIFT	1							
1	Y26	1530		X	AREA 317 4th LIFT	1							
1	Y27	1440		X	AREA 317 6th LIFT	1							
1	Y27	1630		X	AREA 317 8th LIFT	1							
1	Y28	0840		X	AREA 317 10th LIFT	1							
1	Y28	1340		X	AREA 317 12th LIFT	1							
1	Y28	1540		X	AREA 317 14th LIFT	1							
1	Y29	1030		X	AREA 317 16th LIFT	1							

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Gregory W Smith	Y29/88						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks

DISTRIBUTION: Original Accompanies Shipment; Copy to Coordinator Field Files

Wenck Associates, Inc.
832 Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR: Norm Wenck

PROJ. NO.:

PROJECT NAME: Bermite, Whittaker Coop.

SAMPLERS (Signature): Henry He

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	EPA 8240	EPA 8270					REMARKS
7-1-30													
~~1-15~~ 8 ↑	1-15 88	10:00		✓	Node 7,1, 30th Lift	1	✓						
5-2-31	1-18 88	14:00		✓	Node 5,2, 31st Lift	1	✓						
7-1-32	1-19 88	11:00		✓	Node 7,1, 32nd Lift	1	✓						
5-2-33	1-19 88	14:00		✓	Node 5,2, 33rd Lift	1	✓						
7-1-34	1-20 88	8:00		✓	Node 7,1, 34th Lift	1	✓						
6-3-35	1-20 88	12:00		✓	Node 6,3, 35th Lift	1	✓						
7-1-36	1-21 88	10:00		✓	Node 7,1, 36th Lift	1	✓						
6-3-36	1-21 88	10:00		✓	Node 6,3, 36th Lift	1	✓						
6-3-37	1-21 88	16:00		✓	Node 6,3, 37th Lift	1	✓						
7-1-38	1-22 88	10:00		✓	Node 7,1, 38th Lift	1	✓						
5-1-20	"	"		✓	Node 5,1, 20 Feet	1		✓					
7-2-20	"	"		✓	NODE 7,2, 20 Feet	1		✓					
6-3-20	"	"		✓	NODE 6,3, 20 Feet	1		✓					
4-2-20	"	"		✓	NODE 4,2, 20 Feet	1		✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Henry He	1-22-88	12:00					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks

DISTRIBUTION: Original Accompanies Shipment; Copy to Coordinator Field Files

NO

Wenck Associates, Inc.
832 Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR: Norm Wenck

PROJ. NO.:

PROJECT NAME: Bermite, Whittaker Corp

SAMPLERS (Signature): Henry He

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	EPA-8020						REMARKS
5-1-23	1-11 88	10:00		✓	Node 5,1, 23rd Lift	1							
5-2-23	1-11 88	10:00		✓	Node 5,2, 23rd Lift	1							
9-1-24	1-12 88	8:00		✓	Node 9,1, 24th Lift	1							
5-2-24	1-12 88	8:00		✓	Node 5,2, 24th Lift	1							
5-2-25	1-13 88	11:00		✓	Node 5,2, 25th Lift	1							
5-2-26	1-13 88	16:00		✓	Node 5,2, 26th Lift	1							
9-1-27	1-14 88	9:00		✓	Node 9,1, 27th Lift	1							
5-2-27	1-14 88	9:00		✓	Node 5,2, 27th Lift	1							
5-2-28	1-14 88	16:00		✓	Node 5,2, 28th Lift	1							

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Henry He	1-15-88	10:00	[signature]				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks

DISTRIBUTION: Original Accompanies Shipment; Copy to Coordinator Field Files

Wenck Associates, Inc.
832 Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR: Norm Wenck

PROJ. NO.:

PROJECT NAME: Bermite, Whittaker Co.

SAMPLERS (Signature): Henry He

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	8240						REMARKS
8-1-19	1-5-88	8:00		✓		1	✓						
〃	〃												
5-2-19	1-5-88	8.00		✓		1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Henry He	~~1-5-87~~ 1-6-87	12:00	[illegible]				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks

DISTRIBUTION: Original Accompanies Shipment; Copy to Coordinator Field Files

Wenck Associates, Inc.
832 Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR: Norm Wenck

PROJ. NO.:

PROJECT NAME: Bermite, Whittaker Co.

SAMPLERS (Signature): Henry He

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	~~As the last time~~	EPA 8240					REMARKS
5-2-15	12/21/87	15:00		✓	Node 5, 2, 15 th Lift +	1		✓					
8-3-16	12/22/87	8:00		✓	Node 8, 3, 16 th Lift	1		✓					
5-2-17	12/22/87	16:30		✓	Node 5, 2, 17 th Lift +	1		✓					
8-1-18	12/23/87	8:00		✓	Node 8, 1, 18 th Lift	1		✓					
5-2-18	12/23/87	8:00		✓	Node 5, 2, 18 th Lift	1		✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Henry He	12-23-87	12:30	[illegible]	[illegible]	12/23/87	1445	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
			Martin Bruce	Martin Bruce	~~12-23-87~~	~~14:00~~ 12:00	Henry He
Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks	
[illegible]							

DISTRIBUTION: Original Accompanies Shipment; Copy to Coordinator Field Files

Wenck Associates, Inc.
832 Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

~~Feb 11 94165~~

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR: Norm Wenck

PROJ. NO.:

PROJECT NAME: Bermite Whittaker

SAMPLERS (Signature): Henry He

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	8240 EPA Hazardous						REMARKS
7-2-10	12-10-87	12:30		✓	Node 7, 2, 10th Lift	1							~~94165-1~~
5-2-12 ~~5-2-11~~	12-11-87	12:15		✓	Node 5, 2-12nd Lift	1							~~94165-2~~
7-1-13 ~~7-1-12~~	12-15-87	9:00		✓	Node 7, 1-13rd Lift	1							~~94165-3~~
7-3-14 ~~7-3-13~~	12-15-87	15:30		✓	Node 7, 3-14th Lift	1							~~94165-4~~

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Henry He	12-16-87	7:30	[signature]	[signature]	12/16/87	0825	John Zimmin
John Zimmin	1/5/88	14:00	Henry He				

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks
Emery D. Peters						

DISTRIBUTION: Original Accompanies Shipment; Copy to Coordinator Field Files

Wenck Associates, Inc.
832 Twelve Oaks Center
15500 Wayzata Blvd.
Wayzata, MN 55391

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR: Norm Wenck

PROJ. NO.: 85-01.4

PROJECT NAME: Bermite, Whittaker Co.

SAMPLERS (Signature): Henry He

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	Method 8240						REMARKS
8-3-6	12-4 87	7:45		✓	Node 8, 3, 6th Lift	1	✓						
7-3-7	12-7 87	16:30		✓	Node 7, 3, 7th Lift	1	✓						
3-2-8	12-8 87	8:40		✓	Node 3, 2, 8th Lift	1	✓						
8-3-9	12-8 87	16:00		✓	Node 8, 3, 9th Lift	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Henry He	12-9-87	12:00	[illegible]	[illegible]	12/9/87	1730	John Zumin
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
John Zumin	1/5/88	14:00	Henry He				

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks
Peter						

DISTRIBUTION: Original Accompanies Shipment; Copy to Coordinator Field Files

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 12/21/87

DATE RECEIVED: 12/03/87

DATE SAMPLED: 11/25/87

LAB. NO.: 94143-1

DATE ANALYZED: 12/08/87

SAMPLE I.D.: Node 8,3, First Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	2000	*50	1,1-Dichloroethene	ND	*5.0
Benzene	ND	*5.0	trans-1,2-Dichloroethene	ND	*5.0
Bromodichloromethane	ND	*5.0	1,2-Dichloropropane	ND	*5.0
Bromoform	ND	*5.0	cis-1,3-Dichloropropene	ND	*5.0
Bromomethane	ND	*10.0	trans-1,3-Dichloropropene	ND	*5.0
Carbon Tetrachloride	ND	*5.0	Ethyl Benzene	ND	*5.0
Chlorobenzene	ND	*5.0	Methylene Chloride	ND	*5.0
Chloroethane	ND	*10.0	Methyl Ethyl Ketone	ND	*50
Chloroform	ND	*5.0	1,1,2,2-Tetrachloroethane	ND	*5.0
Chloromethane	ND	*10.0	Tetrachloroethene	10,000	*5.0
Dibromochloromethane	ND	*5.0	Toluene	ND	*5.0
1,2-Dichlorobenzene	ND	*5.0	1,1,1-Trichloroethane	ND	*5.0
1,3-Dichlorobenzene	ND	*5.0	1,1,2-Trichloroethane	ND	*5.0
1,4-Dichlorobenzene	ND	*5.0	Trichloroethene	470	*5.0
1,1-Dichloroethane	ND	*5.0	Trichlorofluoromethane	ND	*5.0
1,2-Dichloroethane	ND	*5.0	Vinyl Chloride	ND	*10.0
			Xylenes	ND	*5.0

* = less than
ND = Not Detected

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 12/21/87

DATE RECEIVED: 12/03/87

DATE SAMPLED: 11/27/87

LAB. NO.: 94143-2

DATE ANALYZED: 12/08/87

SAMPLE I.D.: Node 8,3, Second Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	270	*50	1,1-Dichloroethene	ND	*5.0
Benzene	ND	*5.0	trans-1,2-Dichloroethene	ND	*5.0
Bromodichloromethane	ND	*5.0	1,2-Dichloropropane	ND	*5.0
Bromoform	ND	*5.0	cis-1,3-Dichloropropene	ND	*5.0
Bromomethane	ND	*10.0	trans-1,3-Dichloropropene	ND	*5.0
Carbon Tetrachloride	ND	*5.0	Ethyl Benzene	ND	*5.0
Chlorobenzene	ND	*5.0	Methylene Chloride	ND	*5.0
Chloroethane	ND	*10.0	Methyl Ethyl Ketone	ND	*50
Chloroform	ND	*5.0	1,1,2,2-Tetrachloroethane	ND	*5.0
Chloromethane	ND	*10.0	Tetrachloroethene	300	*5.0
Dibromochloromethane	ND	*5.0	Toluene	ND	*5.0
1,2-Dichlorobenzene	ND	*5.0	1,1,1-Trichloroethane	ND	*5.0
1,3-Dichlorobenzene	ND	*5.0	1,1,2-Trichloroethane	ND	*5.0
1,4-Dichlorobenzene	ND	*5.0	Trichloroethene	33	*5.0
1,1-Dichloroethane	ND	*5.0	Trichlorofluoromethane	ND	*5.0
1,2-Dichloroethane	ND	*5.0	Vinyl Chloride	ND	*10.0
			Xylenes	ND	*5.0

* = less than
ND = Not Detected

Respectfully submitted,

JGPatel
J.G. Patel, M.S.
Environmental Chemist

John Quinn
John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 12/21/87

DATE RECEIVED: 12/03/87

DATE SAMPLED: 12/02/87

LAB. NO.: 94143-2 Duplicate

DATE ANALYZED: 12/08/87

SAMPLE I.D.: Node 8,3, Second Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	300	*50	1,1-Dichloroethene	ND	*5.0
Benzene	ND	*5.0	trans-1,2-Dichloroethene	ND	*5.0
Bromodichloromethane	ND	*5.0	1,2-Dichloropropane	ND	*5.0
Bromoform	ND	*5.0	cis-1,3-Dichloropropene	ND	*5.0
Bromomethane	ND	*10.0	trans-1,3-Dichloropropene	ND	*5.0
Carbon Tetrachloride	ND	*5.0	Ethyl Benzene	ND	*5.0
Chlorobenzene	ND	*5.0	Methylene Chloride	ND	*5.0
Chloroethane	ND	*10.0	Methyl Ethyl Ketone	ND	*50
Chloroform	ND	*5.0	1,1,2,2-Tetrachloroethane	ND	*5.0
Chloromethane	ND	*10.0	Tetrachloroethene	300	*5.0
Dibromochloromethane	ND	*5.0	Toluene	ND	*5.0
1,2-Dichlorobenzene	ND	*5.0	1,1,1-Trichloroethane	ND	*5.0
1,3-Dichlorobenzene	ND	*5.0	1,1,2-Trichloroethane	ND	*5.0
1,4-Dichlorobenzene	ND	*5.0	Trichloroethene	37	*5.0
1,1-Dichloroethane	ND	*5.0	Trichlorofluoromethane	ND	*5.0
1,2-Dichloroethane	ND	*5.0	Vinyl Chloride	ND	*10.0
			Xylenes	ND	*5.0

* = less than
ND = Not Detected

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 12/21/87

DATE RECEIVED: 12/03/87

DATE SAMPLED: 12/01/87

LAB. NO.: 94143-3

DATE ANALYZED: 12/08/87

SAMPLE I.D.: Node 8,3, Third Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	*50	1,1-Dichloroethene	ND	*5.0
Benzene	ND	*5.0	trans-1,2-Dichloroethene	ND	*5.0
Bromodichloromethane	ND	*5.0	1,2-Dichloropropane	ND	*5.0
Bromoform	ND	*5.0	cis-1,3-Dichloropropene	ND	*5.0
Bromomethane	ND	*10.0	trans-1,3-Dichloropropene	ND	*5.0
Carbon Tetrachloride	ND	*5.0	Ethyl Benzene	ND	*5.0
Chlorobenzene	ND	*5.0	Methylene Chloride	ND	*5.0
Chloroethane	ND	*10.0	Methyl Ethyl Ketone	ND	*50
Chloroform	ND	*5.0	1,1,2,2-Tetrachloroethane	ND	*5.0
Chloromethane	ND	*10.0	Tetrachloroethene	120	*5.0
Dibromochloromethane	ND	*5.0	Toluene	ND	*5.0
1,2-Dichlorobenzene	ND	*5.0	1,1,1-Trichloroethane	ND	*5.0
1,3-Dichlorobenzene	ND	*5.0	1,1,2-Trichloroethane	ND	*5.0
1,4-Dichlorobenzene	ND	*5.0	Trichloroethene	75	*5.0
1,1-Dichloroethane	ND	*5.0	Trichlorofluoromethane	ND	*5.0
1,2-Dichloroethane	ND	*5.0	Vinyl Chloride	ND	*10.0
			Xylenes	ND	*5.0

* = less than
ND = Not Detected

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 12/21/87

DATE RECEIVED: 12/03/87

DATE SAMPLED: 12/01/87

LAB. NO.: 94143-4

DATE ANALYZED: 12/08/87

SAMPLE I.D.: Node 9,3, Fourth Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	2000	*50	1,1-Dichloroethene	ND	*5.0
Benzene	ND	*5.0	trans-1,2-Dichloroethene	ND	*5.0
Bromodichloromethane	ND	*5.0	1,2-Dichloropropane	ND	*5.0
Bromoform	ND	*5.0	cis-1,3-Dichloropropene	ND	*5.0
Bromomethane	ND	*10.0	trans-1,3-Dichloropropene	ND	*5.0
Carbon Tetrachloride	ND	*5.0	Ethyl Benzene	ND	*5.0
Chlorobenzene	ND	*5.0	Methylene Chloride	ND	*5.0
Chloroethane	ND	*10.0	Methyl Ethyl Ketone	ND	*50
Chloroform	ND	*5.0	1,1,2,2-Tetrachloroethane	ND	*5.0
Chloromethane	ND	*10.0	Tetrachloroethene	440	*5.0
Dibromochloromethane	ND	*5.0	Toluene	ND	*5.0
1,2-Dichlorobenzene	ND	*5.0	1,1,1-Trichloroethane	ND	*5.0
1,3-Dichlorobenzene	ND	*5.0	1,1,2-Trichloroethane	ND	*5.0
1,4-Dichlorobenzene	ND	*5.0	Trichloroethene	ND	*5.0
1,1-Dichloroethane	ND	*5.0	Trichlorofluoromethane	ND	*5.0
1,2-Dichloroethane	ND	*5.0	Vinyl Chloride	ND	*10.0
			Xylenes	ND	*5.0

* = less than
ND = Not Detected

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 12/21/87

DATE RECEIVED: 12/03/87

DATE SAMPLED: 12/02/87

DATE ANALYZED: 12/08/87

LAB. NO.: 94144-1

SAMPLE I.D.: Node 8,3, Fifth Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	380	*50	1,1-Dichloroethene	ND	*5.0
Benzene	ND	*5.0	trans-1,2-Dichloroethene	ND	*5.0
Bromodichloromethane	ND	*5.0	1,2-Dichloropropane	ND	*5.0
Bromoform	ND	*5.0	cis-1,3-Dichloropropene	ND	*5.0
Bromomethane	ND	*10.0	trans-1,3-Dichloropropene	ND	*5.0
Carbon Tetrachloride	ND	*5.0	Ethyl Benzene	ND	*5.0
Chlorobenzene	ND	*5.0	Methylene Chloride	ND	*5.0
Chloroethane	ND	*10.0	Methyl Ethyl Ketone	ND	*50
Chloroform	ND	*5.0	1,1,2,2-Tetrachloroethane	ND	*5.0
Chloromethane	ND	*10.0	Tetrachloroethene	290	*5.0
Dibromochloromethane	ND	*5.0	Toluene	ND	*5.0
1,2-Dichlorobenzene	ND	*5.0	1,1,1-Trichloroethane	ND	*5.0
1,3-Dichlorobenzene	ND	*5.0	1,1,2-Trichloroethane	ND	*5.0
1,4-Dichlorobenzene	ND	*5.0	Trichloroethene	170	*5.0
1,1-Dichloroethane	ND	*5.0	Trichlorofluoromethane	ND	*5.0
1,2-Dichloroethane	ND	*5.0	Vinyl Chloride	ND	*10.0
			Xylenes	ND	*5.0

* = less than
ND = Not Detected

Respectfully submitted,

J.G. Patel, M.S.
Environmental Chemist

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 8,3, 6th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/13/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA29

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	1700	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	170	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	56	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 7,3, 7th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/13/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA29

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	1200	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	10	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	6	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	64	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	20	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 3,2, 8th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/14/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA30

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	20	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	310	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	350	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	36	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 8,3, 9th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/14/88
SAMPLE AMOUNT: 0.25 gms
STANDARD ID : VOA28

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	100
74-83-9	BROMOMETHANE	ND	100
75-01-4	VINYL CHLORIDE	ND	100
75-00-3	CHLOROETHANE	ND	100
75-09-2	METHYLENE CHLORIDE	ND	200
67-64-1	ACETONE	3100	200
75-15-0	CARBON DISULFIDE	ND	20
75-35-4	1,1-DICHLOROETHENE	ND	20
75-34-3	1,1-DICHLOROETHANE	ND	20
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	20
67-66-3	CHLOROFORM	ND	20
107-06-2	1,2-DICHLOROETHANE	ND	20
78-93-3	2-BUTANONE	ND	200
71-55-6	1,1,1-TRICHLOROETHANE	ND	20
16-23-5	CARBON TETRACHLORIDE	ND	20
108-05-4	VINYL ACETATE	ND	100
75-27-4	BROMODICHLOROMETHANE	ND	20
78-87-5	1,2-DICHLOROPROPANE	ND	20
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	20
79-01-6	TRICHLOROETHENE	1600	20
124-48-1	DIBROMOCHLOROMETHANE	ND	20
79-00-5	1,1,2-TRICHLOROETHANE	ND	20
71-43-2	BENZENE	ND	20
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	20
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	200
75-25-2	BROMOFORM	ND	20
119-78-6	2-HEXANONE	ND	100
108-10-1	4-METHYL-2-PENTANONE	ND	100
127-18-4	TETRACHLOROETHENE	240	20
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	20
108-88-3	TOLUENE	ND	20
108-90-7	CHLOROBENZENE	ND	20
100-41-4	ETHYLBENZENE	ND	20
75-69-4	TRICHLOROFLUOROMETHANE	ND	20
100-42-5	STYRENE	22	20
95-47-6	TOTAL XYLENES	ND	20
95-50-1	1,2-DICHLOROBENZENE	ND	20
541-73-1	1,3-DICHLOROBENZENE	ND	20
106-46-7	1,4-DICHLOROBENZENE	ND	20

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node, 7,2, 10th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/08/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA25

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	390	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	700	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	360	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 5,2, 12th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/13/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA29

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	290	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	18	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 7,3, 14th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/14/88
SAMPLE AMOUNT: 5ul:1/1
STANDARD ID : VOA30

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	19	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	150	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	21	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 5,2, 15th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/13/88
SAMPLE AMOUNT: 5 ul:1/1
STANDARD ID : VOA29

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	57	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	ND	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 8,3, 16th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/13/88
SAMPLE AMOUNT: 5 ul:1/1
STANDARD ID : VOA29

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	ND	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	40	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 5,2, 17th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/14/88
SAMPLE AMOUNT: 5ul:1/1
STANDARD ID : VOA30

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	5	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	ND	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	23	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 5,2, 18th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/14/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA30

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	210	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	77	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	9	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	11	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 5,2, 19th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/14/88
SAMPLE AMOUNT: 0.25 gms
STANDARD ID : VOA30

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	100
74-83-9	BROMOMETHANE	ND	100
75-01-4	VINYL CHLORIDE	ND	100
75-00-3	CHLOROETHANE	ND	100
75-09-2	METHYLENE CHLORIDE	ND	200
67-64-1	ACETONE	ND	200
75-15-0	CARBON DISULFIDE	200	20
75-35-4	1,1-DICHLOROETHENE	ND	20
75-34-3	1,1-DICHLOROETHANE	ND	20
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	20
67-66-3	CHLOROFORM	ND	20
107-06-2	1,2-DICHLOROETHANE	ND	20
78-93-3	2-BUTANONE	ND	200
71-55-6	1,1,1-TRICHLOROETHANE	ND	20
16-23-5	CARBON TETRACHLORIDE	ND	20
108-05-4	VINYL ACETATE	ND	100
75-27-4	BROMODICHLOROMETHANE	ND	20
78-87-5	1,2-DICHLOROPROPANE	ND	20
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	20
79-01-6	TRICHLOROETHENE	130	20
124-48-1	DIBROMOCHLOROMETHANE	ND	20
79-00-5	1,1,2-TRICHLOROETHANE	ND	20
71-43-2	BENZENE	ND	20
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	20
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	200
75-25-2	BROMOFORM	ND	20
119-78-6	2-HEXANONE	ND	100
108-10-1	4-METHYL-2-PENTANONE	ND	100
127-18-4	TETRACHLOROETHENE	50	20
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	20
108-88-3	TOLUENE	50	20
108-90-7	CHLOROBENZENE	ND	20
100-41-4	ETHYLBENZENE	ND	20
75-69-4	TRICHLOROFLUOROMETHANE	ND	20
100-42-5	STYRENE	4600	20
95-47-6	TOTAL XYLENES	63	20
95-50-1	1,2-DICHLOROBENZENE	ND	20
541-73-1	1,3-DICHLOROBENZENE	ND	20
106-46-7	1,4-DICHLOROBENZENE	ND	20

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 5,2, 20th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/12/88
SAMPLE AMOUNT: 5 ul:1/1
STANDARD ID : VOA28

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	ND	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	10	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	9	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 5,2, 21st Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/12/88
SAMPLE AMOUNT: 5 ul:1/1
STANDARD ID : VOA28

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	52	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	1800	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	210	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	52	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 6,3, 22nd Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/14/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA30

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	45	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	9	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	1100	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	6	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	80	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	2100	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	120	5
95-47-6	TOTAL XYLENES	9	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

VOLATILE ORGANICS IN SOIL (GC/MS)
EPA METHOD 8240

February 8, 1988
Lab No. 94195-2

Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

Attention: Bill Rosenthal

Sample Description: Node 5,2 23rd Lift
Sampled by: Henry He, Wenck Associates
Date Sampled: January 11, 1988
Date Received: January 15, 1988 Date Analyzed: January 19, 1988

REPORT OF ANALYSIS

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	500	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	270	5.0
Carbon Tetrachloride	28	5.0	Methylene Chloride	ND	5.0
Chlorobenzene	ND	5.0	Methyl Ethyl Ketone	120	50
Chloroethane	ND	10.0	Styrene	44000	5.0
Chloroform	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	3000	5.0
Dibromochloromethane	ND	5.0	Toluene	13	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	72	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	150000	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	8	0.2	Xylenes	15	5.0

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Very truly yours,
FGL ENVIRONMENTAL, INC.

J.G. Patel M.S.
Environmental Chemist
JP/JQ:mel

John Quinn, Ph.D.
Environmental Chemist

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

VOLATILE ORGANICS IN SOIL (GC/MS)
EPA METHOD 8240

RECEIVED BY
WENCK ASSOCIATES INC

FEB 11 1988

February 8, 1988
Lab No. 94195-1

Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

Attention: Bill Rosenthal

Sample Description: Node 5,1 23rd Lift
Sampled by: Henry He, Wenck Associates
Date Sampled: January 11, 1988
Date Received: January 15, 1988 Date Analyzed: January 19, 1988

REPORT OF ANALYSIS

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methylene Chloride	ND	5.0
Chlorobenzene	ND	5.0	Methyl Ethyl Ketone	ND	50
Chloroethane	ND	10.0	Styrene	ND	5.0
Chloroform	12	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	20	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	220	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	0.2	Xylenes	ND	5.0

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Very truly yours,
FGL ENVIRONMENTAL, INC.

J.G. Patel M.S.
Environmental Chemist

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

VOLATILE ORGANICS IN SOIL (GC/MS)
EPA METHOD 8240

February 8, 1988
Lab No. 94195-4

Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

Attention: Bill Rosenthal

Sample Description: Node 5,2 24th Lift
Sampled by: Henry He, Wenck Associates
Date Sampled: January 11, 1988
Date Received: January 15, 1988 Date Analyzed: January 19, 1988

REPORT OF ANALYSIS

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methylene Chloride	10	5.0
Chlorobenzene	ND	5.0	Methyl Ethyl Ketone	ND	50
Chloroethane	ND	10.0	Styrene	65	5.0
Chloroform	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	350	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	0.2	Xylenes	ND	5.0

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Very truly yours,
FGL ENVIRONMENTAL, INC.

J G Patel

J.G. Patel M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

VOLATILE ORGANICS IN SOIL (GC/MS)
EPA METHOD 8240

February 8, 1988
Lab No. 94195-5

Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

Attention: Bill Rosenthal

Sample Description: Node 5,2 25th Lift
Sampled by: Henry He, Wenck Associates
Date Sampled: January 11, 1988
Date Received: January 15, 1988 Date Analyzed: January 19, 1988

REPORT OF ANALYSIS

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methylene Chloride	20	5.0
Chlorobenzene	ND	5.0	Methyl Ethyl Ketone	ND	50
Chloroethane	ND	10.0	Styrene	150	5.0
Chloroform	16	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	20	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	7000	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	0.2	Xylenes	ND	5.0

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Very truly yours,
FGL ENVIRONMENTAL, INC.

J.G. Patel M.S.
Environmental Chemist

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

VOLATILE ORGANICS IN SOIL (GC/MS)
EPA METHOD 8240

February 8, 1988
Lab No. 94195-6

Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

Attention: Bill Rosenthal

Sample Description: Node 5,2 26th Lift
Sampled by: Henry He, Wenck Associates
Date Sampled: January 11, 1988
Date Received: January 15, 1988 Date Analyzed: January 19, 1988

REPORT OF ANALYSIS

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methylene Chloride	140	5.0
Chlorobenzene	ND	5.0	Methyl Ethyl Ketone	ND	50
Chloroethane	ND	10.0	Styrene	20000	5.0
Chloroform	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	180	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	110	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	59000	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	0.2	Xylenes	ND	5.0

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Very truly yours,
FGL ENVIRONMENTAL, INC.

J.G. Patel M.S.
Environmental Chemist

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

VOLATILE ORGANICS IN SOIL (GC/MS)
EPA METHOD 8240

February 8, 1988
Lab No. 94195-8

Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

Attention: Bill Rosenthal

Sample Description: Node 5,2 27th Lift
Sampled by: Henry He, Wenck Associates
Date Sampled: January 11, 1988
Date Received: January 15, 1988 Date Analyzed: January 19, 1988

REPORT OF ANALYSIS

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	250	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	470	5.0
Carbon Tetrachloride	50	5.0	Methylene Chloride	12	5.0
Chlorobenzene	ND	5.0	Methyl Ethyl Ketone	ND	50
Chloroethane	ND	10.0	Styrene	70000	5.0
Chloroform	5500	5.0	1,1,2,2-Tetrachloroethane	12	5.0
Chloromethane	ND	10.0	Tetrachloroethene	6400	5.0
Dibromochloromethane	ND	5.0	Toluene	50	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	1800	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	12	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	94000	5.0
1,1-Dichloroethane	10	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	0.2	Xylenes	30	5.0

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Very truly yours,
FGL ENVIRONMENTAL, INC.

J.G. Patel M.S.
Environmental Chemist
JP/JQ:mel

John Quinn, Ph.D.
Environmental Chemist

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

VOLATILE ORGANICS IN SOIL (GC/MS)
EPA METHOD 8240

February 8, 1988
Lab No. 94195-9

Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

Attention: Bill Rosenthal

Sample Description: Node 5,2 28th Lift
Sampled by: Henry He, Wenck Associates
Date Sampled: January 11, 1988
Date Received: January 15, 1988 Date Analyzed: January 19, 1988

REPORT OF ANALYSIS

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	50	trans-1,2-Dichloroethene	10	5.0
Benzene	ND	5.0	1,2-Dichloropropane	20	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	150	5.0
Carbon Tetrachloride	ND	5.0	Methylene Chloride	ND	5.0
Chlorobenzene	ND	5.0	Methyl Ethyl Ketone	ND	50
Chloroethane	ND	10.0	Styrene	210000	5.0
Chloroform	30	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	33000	5.0
Dibromochloromethane	ND	5.0	Toluene	20	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	12000	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	160000	5.0
1,1-Dichloroethane	20	5.0	Trichlorofluoromethane	6	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	0.2	Xylenes	ND	5.0

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Very truly yours,
FGL ENVIRONMENTAL, INC.

J.G. Patel M.S.
Environmental Chemist
JP/JQ:mel

John Quinn, Ph.D.
Environmental Chemist

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 5,2, 31st Lift
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE ANALYZED: 02/02/88
SAMPLE AMOUNT: 5ul:1/1
STANDARD ID : VOA42

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	11	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	ND	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	8	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 5,2, 33rd Lift
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE ANALYZED: 02/02/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA42

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	4000	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	ND	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	6000	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 6,3, 35th Lift
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE ANALYZED: 02/09/88
SAMPLE AMOUNT: 5ul:1/1
STANDARD ID : VOA44

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	65	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	4800	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	620	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	160	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 6,3, 36th Lift
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE ANALYZED: 02/03/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA43

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	140	50
67-64-1	ACETONE	150	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	1100	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	82	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	10	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	180	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 6,2, 37th Lift
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE ANALYZED: 02/09/88
SAMPLE AMOUNT: 5ul:1/1
STANDARD ID : VOA44

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	70	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	5200	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	500	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	160	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : 317, 7,3 Lw 43
MATRIX : Soil

DATE RECIEVED: 02/15/88
DATE ANALYZED: 02/23/88
SAMPLE AMOUNT: 1.0 GMS
STANDARD ID : VOA51

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	590	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	56	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	50	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	10	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	44	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	14	5
95-47-6	TOTAL XYLENES	19	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : 317, 6,3 44
MATRIX : Soil

DATE RECIEVED: 02/15/88
DATE ANALYZED: 02/24/88
SAMPLE AMOUNT: 1.0 GMS
STANDARD ID : VOA52

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	240	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	26	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	23	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	34	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : 317, 4,1 Lab # 44
MATRIX : Soil

DATE RECIEVED: 02/15/88
DATE ANALYZED: 02/24/88
SAMPLE AMOUNT: 1.0 GMS
STANDARD ID : VOA52

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	50	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	140	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	34	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	20	5
95-47-6	TOTAL XYLENES	12	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : 317, 4,2 4/6
MATRIX : Soil

DATE RECIEVED: 02/15/88
DATE ANALYZED: 02/24/88
SAMPLE AMOUNT: 1.0 GMS
STANDARD ID : VOA52

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	700	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	12	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	73	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	16	5
95-47-6	TOTAL XYLENES	12	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 03/04/88

DATE RECEIVED: 02/19/88

DATE SAMPLED: 02/19/88

LAB. NO.: 807-10

DATE ANALYZED: 02/29/88

SAMPLE I.D.: Node 5,3 47th Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	mg/kg	Detection Limit mg/kg	Compound	mg/kg	Detection Limit mg/kg
Acetone	ND	13	trans-1,2-Dichloroethene	ND	1.3
Benzene	ND	1.3	1,2-Dichloropropane	ND	1.3
Bromodichloromethane	2000	1.3	cis-1,3-Dichloropropene	ND	1.3
Bromoform	ND	1.3	trans-1,3-Dichloropropene	ND	1.3
Bromomethane	ND	1.3	Ethyl Benzene	ND	1.3
Carbon Tetrachloride	2	1.3	Methyl Ethyl Ketone	ND	13
Chlorobenzene	ND	1.3	Methylene Chloride	ND	1.3
Chloroethane	ND	1.3	Styrene	30	1.3
Chloroform	1.5	1.3	1,1,2,2-Tetrachloroethane	ND	1.3
Chloromethane	ND	1.3	Tetrachloroethene	5000	1.3
Dibromochloromethane	ND	1.3	Toluene	ND	1.3
1,2-Dichlorobenzene	ND	1.3	1,1,1-Trichloroethane	20	1.3
1,3-Dichlorobenzene	ND	1.3	1,1,2-Trichloroethane	ND	1.3
1,4-Dichlorobenzene	ND	1.3	Trichloroethene	200	1.3
1,1-Dichloroethane	ND	1.3	Trichlorofluoromethane	ND	1.3
1,2-Dichloroethane	5	1.3	Vinyl Chloride	ND	1.3
1,1-Dichloroethene	ND	1.3	Xylenes	ND	1.3

mg/kg = ppm
* = less than
ND = Not detected at or above the concentration of the detection limit.

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 03/04/88

DATE RECEIVED: 02/19/88

DATE SAMPLED: 02/19/88

LAB. NO.: 807-7

DATE ANALYZED: 02/29/88

SAMPLE I.D.: Node 3,2 49th Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	70	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methyl Ethyl Ketone	ND	50
Chlorobenzene	ND	5.0	Methylene Chloride	ND	5.0
Chloroethane	ND	10.0	Styrene	6.0	5.0
Chloroform	11	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	300	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	5.0	Xylenes	ND	5.0

ug/kg = ppb
* = less than
ND = Not detected at or above the concentration of the detection limit.

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 03/04/88

DATE RECEIVED: 02/19/88

DATE SAMPLED: 02/19/88

LAB. NO.: 807-3

DATE ANALYZED: 02/29/88

SAMPLE I.D.: Node 5,1 51st Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	mg/kg	Detection Limit mg/kg	Compound	mg/kg	Detection Limit mg/kg
Acetone	55	13	trans-1,2-Dichloroethene	ND	1.3
Benzene	ND	1.3	1,2-Dichloropropane	ND	1.3
Bromodichloromethane	ND	1.3	cis-1,3-Dichloropropene	ND	1.3
Bromoform	ND	1.3	trans-1,3-Dichloropropene	ND	1.3
Bromomethane	ND	1.3	Ethyl Benzene	ND	1.3
Carbon Tetrachloride	ND	1.3	Methyl Ethyl Ketone	ND	13
Chlorobenzene	ND	1.3	Methylene Chloride	ND	1.3
Chloroethane	ND	1.3	Styrene	ND	1.3
Chloroform	5	1.3	1,1,2,2-Tetrachloroethane	ND	1.3
Chloromethane	ND	1.3	Tetrachloroethene	ND	1.3
Dibromochloromethane	ND	1.3	Toluene	ND	1.3
1,2-Dichlorobenzene	ND	1.3	1,1,1-Trichloroethane	ND	1.3
1,3-Dichlorobenzene	ND	1.3	1,1,2-Trichloroethane	ND	1.3
1,4-Dichlorobenzene	ND	1.3	Trichloroethene	8	1.3
1,1-Dichloroethane	ND	1.3	Trichlorofluoromethane	ND	1.3
1,2-Dichloroethane	ND	1.3	Vinyl Chloride	ND	1.3
1,1-Dichloroethene	ND	1.3	Xylenes	ND	1.3

mg/kg = ppm
* = less than
ND = Not detected at or above the concentration of the detection limit.

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 03/04/88

DATE RECEIVED: 02/19/88

DATE SAMPLED: 02/19/88

LAB. NO.: 807-6

DATE ANALYZED: 02/29/88

SAMPLE I.D.: Node 4,2 53rd Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	mg/kg	Detection Limit mg/kg	Compound	mg/kg	Detection Limit mg/kg
Acetone	ND	13	trans-1,2-Dichloroethene	ND	1.3
Benzene	ND	1.3	1,2-Dichloropropane	ND	1.3
Bromodichloromethane	ND	1.3	cis-1,3-Dichloropropene	ND	1.3
Bromoform	ND	1.3	trans-1,3-Dichloropropene	ND	1.3
Bromomethane	ND	1.3	Ethyl Benzene	2	1.3
Carbon Tetrachloride	15	1.3	Methyl Ethyl Ketone	ND	13
Chlorobenzene	ND	1.3	Methylene Chloride	2	1.3
Chloroethane	ND	1.3	Styrene	700	1.3
Chloroform	4	1.3	1,1,2,2-Tetrachloroethane	ND	1.3
Chloromethane	ND	1.3	Tetrachloroethene	15	1.3
Dibromochloromethane	ND	1.3	Toluene	ND	1.3
1,2-Dichlorobenzene	ND	1.3	1,1,1-Trichloroethane	90	1.3
1,3-Dichlorobenzene	ND	1.3	1,1,2-Trichloroethane	ND	1.3
1,4-Dichlorobenzene	ND	1.3	Trichloroethene	500	1.3
1,1-Dichloroethane	ND	1.3	Trichlorofluoromethane	ND	1.3
1,2-Dichloroethane	15	1.3	Vinyl Chloride	ND	1.3
1,1-Dichloroethene	ND	1.3	Xylenes	ND	1.3

mg/kg = ppm
* = less than
ND = Not detected at or above the concentration of the detection limit.

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 03/04/88

DATE RECEIVED: 02/19/88

DATE SAMPLED: 02/19/88

LAB. NO.: 807-4

DATE ANALYZED: 02/29/88

SAMPLE I.D.: Node 5,3 55th Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	mg/kg	Detection Limit mg/kg	Compound	mg/kg	Detection Limit mg/kg
Acetone	ND	13	trans-1,2-Dichloroethene	ND	1.3
Benzene	ND	1.3	1,2-Dichloropropane	ND	1.3
Bromodichloromethane	3000	1.3	cis-1,3-Dichloropropene	ND	1.3
Bromoform	ND	1.3	trans-1,3-Dichloropropene	ND	1.3
Bromomethane	ND	1.3	Ethyl Benzene	ND	1.3
Carbon Tetrachloride	3	1.3	Methyl Ethyl Ketone	ND	13
Chlorobenzene	ND	1.3	Methylene Chloride	ND	1.3
Chloroethane	ND	1.3	Styrene	170	1.3
Chloroform	2.5	1.3	1,1,2,2-Tetrachloroethane	ND	1.3
Chloromethane	ND	1.3	Tetrachloroethene	600	1.3
Dibromochloromethane	ND	1.3	Toluene	ND	1.3
1,2-Dichlorobenzene	ND	1.3	1,1,1-Trichloroethane	30	1.3
1,3-Dichlorobenzene	ND	1.3	1,1,2-Trichloroethane	ND	1.3
1,4-Dichlorobenzene	ND	1.3	Trichloroethene	500	1.3
1,1-Dichloroethane	ND	1.3	Trichlorofluoromethane	ND	1.3
1,2-Dichloroethane	7	1.3	Vinyl Chloride	ND	1.3
1,1-Dichloroethene	ND	1.3	Xylenes	ND	1.3

mg/kg = ppm
* = less than
ND = Not detected at or above the concentration of the detection limit.

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 03/04/88

DATE RECEIVED: 02/19/88

DATE SAMPLED: 02/19/88

LAB. NO.: 807-1

DATE ANALYZED: 02/29/88

SAMPLE I.D.: Node 4,2 56th Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	1300	trans-1,2-Dichloroethene	ND	13
Benzene	ND	13	1,2-Dichloropropane	ND	13
Bromodichloromethane	ND	13	cis-1,3-Dichloropropene	ND	13
Bromoform	ND	13	trans-1,3-Dichloropropene	ND	13
Bromomethane	ND	13	Ethyl Benzene	ND	13
Carbon Tetrachloride	ND	13	Methyl Ethyl Ketone	ND	1300
Chlorobenzene	ND	13	Methylene Chloride	ND	13
Chloroethane	ND	13	Styrene	100	13
Chloroform	ND	13	1,1,2,2-Tetrachloroethane	ND	13
Chloromethane	ND	13	Tetrachloroethene	ND	13
Dibromochloromethane	ND	13	Toluene	ND	13
1,2-Dichlorobenzene	ND	13	1,1,1-Trichloroethane	ND	13
1,3-Dichlorobenzene	ND	13	1,1,2-Trichloroethane	ND	13
1,4-Dichlorobenzene	ND	13	Trichloroethene	2000	13
1,1-Dichloroethane	ND	13	Trichlorofluoromethane	ND	13
1,2-Dichloroethane	ND	13	Vinyl Chloride	ND	13
1,1-Dichloroethene	ND	13	Xylenes	ND	13

ug/kg = ppg
* = less than
ND = Not detected at or above the concentration of the detection limit.

Respectfully submitted,

J.G. Patel, M.S.
Environmental Chemist

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 03/04/88

DATE RECEIVED: 02/19/88

DATE SAMPLED: 02/19/88

LAB. NO.: 807-9

DATE ANALYZED: 02/29/88

SAMPLE I.D.: Node 5,3 57th Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	400	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methyl Ethyl Ketone	ND	50
Chlorobenzene	ND	5.0	Methylene Chloride	ND	5.0
Chloroethane	ND	10.0	Styrene	8	5.0
Chloroform	7	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	20	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	40	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	5.0	Xylenes	ND	5.0

ug/kg = ppb
* = less than
ND = Not detected at or above the concentration of the detection limit.

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 12/21/87

DATE RECEIVED: 12/03/87

DATE SAMPLED: 12/02/87

LAB. NO.: 94143-5

DATE ANALYZED: 12/08/87

SAMPLE I.D.: Node 2,2, Fifth Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	500	*50	1,1-Dichloroethene	ND	*5.0
Benzene	ND	*5.0	trans-1,2-Dichloroethene	ND	*5.0
Bromodichloromethane	ND	*5.0	1,2-Dichloropropane	ND	*5.0
Bromoform	ND	*5.0	cis-1,3-Dichloropropene	ND	*5.0
Bromomethane	ND	*10.0	trans-1,3-Dichloropropene	ND	*5.0
Carbon Tetrachloride	ND	*5.0	Ethyl Benzene	ND	*5.0
Chlorobenzene	ND	*5.0	Methylene Chloride	ND	*5.0
Chloroethane	ND	*10.0	Methyl Ethyl Ketone	ND	*50
Chloroform	ND	*5.0	1,1,2,2-Tetrachloroethane	ND	*5.0
Chloromethane	ND	*10.0	Tetrachloroethene	33	*5.0
Dibromochloromethane	ND	*5.0	Toluene	ND	*5.0
1,2-Dichlorobenzene	ND	*5.0	1,1,1-Trichloroethane	ND	*5.0
1,3-Dichlorobenzene	ND	*5.0	1,1,2-Trichloroethane	ND	*5.0
1,4-Dichlorobenzene	ND	*5.0	Trichloroethene	ND	*5.0
1,1-Dichloroethane	ND	*5.0	Trichlorofluoromethane	ND	*5.0
1,2-Dichloroethane	ND	*5.0	Vinyl Chloride	ND	*10.0
			Xylenes	ND	*5.0

* = less than
ND = Not Detected

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 7,1, 13th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/08/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA25

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	6	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	ND	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	15	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 8,1, 18th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/13/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA29

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	ND	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	ND	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 9,1, 19th Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/14/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA30

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	5	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	5	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 9,1, 21st Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/12/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA28

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	190	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	ND	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	ND	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 9,1, 22nd Lift
MATRIX : Soil

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/14/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA30

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	68	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	96	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	17	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

VOLATILE ORGANICS IN SOIL (GC/MS)
EPA METHOD 8240

February 8, 1988
Lab No. 94195-3

Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

Attention: Bill Rosenthal

Sample Description: Node 9,1 24th Lift
Sampled by: Henry He, Wenck Associates
Date Sampled: January 11, 1988
Date Received: January 15, 1988 Date Analyzed: January 19, 1988

REPORT OF ANALYSIS

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methylene Chloride	ND	5.0
Chlorobenzene	ND	5.0	Methyl Ethyl Ketone	ND	50
Chloroethane	ND	10.0	Styrene	140	5.0
Chloroform	12	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	170	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	0.2	Xylenes	ND	5.0

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Very truly yours,
FGL ENVIRONMENTAL, INC.

JGPatel

J.G. Patel M.S.
Environmental Chemist
JP/JQ:mel

John Quinn

John Quinn, Ph.D.
Environmental Chemist

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

VOLATILE ORGANICS IN SOIL (GC/MS)
EPA METHOD 8240

February 8, 1988
Lab No. 94195-7

Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

Attention: Bill Rosenthal

Sample Description: Node 9,1 27th Lift
Sampled by: Henry He, Wenck Associates
Date Sampled: January 11, 1988
Date Received: January 15, 1988 Date Analyzed: January 19, 1988

REPORT OF ANALYSIS

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methylene Chloride	ND	5.0
Chlorobenzene	ND	5.0	Methyl Ethyl Ketone	ND	50
Chloroethane	ND	10.0	Styrene	23	5.0
Chloroform	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	41	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	0.2	Xylenes	ND	5.0

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Very truly yours,
FGL ENVIRONMENTAL, INC.

JGPatel

J.G. Patel M.S.
Environmental Chemist
JP/JQ:mel

John Quinn

John Quinn, Ph.D.
Environmental Chemist

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 7,1, 30th Lift
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE ANALYZED: 02/02/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA42

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	18	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	ND	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 7,1, 32nd Lift
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE ANALYZED: 02/02/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA42

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	17	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	ND	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 7,1, 34th Lift
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE ANALYZED: 02/03/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA43

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	91	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	26	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	ND	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	6	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 7,1, 36 Lift
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE ANALYZED: 02/03/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA43

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	150	50
67-64-1	ACETONE	130	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	34	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	ND	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	31	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 7,1, 38th Lift
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE ANALYZED: 02/03/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA43

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	94	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	26	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	ND	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : 317, 8,3 Line 43
MATRIX : Soil

DATE RECIEVED: 02/15/88
DATE ANALYZED: 02/23/88
SAMPLE AMOUNT: 1.0 GMS
STANDARD ID : VOA51

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	1300	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	13	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	22	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : 317, 3,1 Line 46
MATRIX : Soil

DATE RECIEVED: 02/15/88
DATE ANALYZED: 02/24/88
SAMPLE AMOUNT: 1.0 GMS
STANDARD ID : VOA52

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	22	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	16	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	73	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	20	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 03/04/88

DATE RECEIVED: 02/19/88

DATE SAMPLED: 02/19/88

LAB. NO.: 807-8

DATE ANALYZED: 02/29/88

SAMPLE I.D.: Node 7,2 50th Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methyl Ethyl Ketone	ND	50
Chlorobenzene	ND	5.0	Methylene Chloride	ND	5.0
Chloroethane	ND	10.0	Styrene	ND	5.0
Chloroform	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	30	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	5.0	Xylenes	ND	5.0

ug/kg = ppb
* = less than
ND = Not detected at or above the concentration of the detection limit.

Respectfully submitted,

JG Patel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 03/04/88

DATE RECEIVED: 02/19/88

DATE SAMPLED: 02/19/88

LAB. NO.: 807-5

DATE ANALYZED: 02/29/88

SAMPLE I.D.: Node 6,1 52nd Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methyl Ethyl Ketone	ND	50
Chlorobenzene	ND	5.0	Methylene Chloride	ND	5.0
Chloroethane	ND	10.0	Styrene	ND	5.0
Chloroform	10	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	10	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	35	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	5.0	Xylenes	ND	5.0

ug/kg = ppb
* = less than
ND = Not detected at or above the concentration of the detection limit.

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

CLIENT: Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

DATE REPORTED: 03/04/88

DATE RECEIVED: 02/19/88

DATE SAMPLED: 02/19/88

LAB. NO.: 807-2

DATE ANALYZED: 02/29/88

SAMPLE I.D.: Node 7,2 54th Lift

REPORT OF GC/MS ANALYSIS FOR VOLATILE ORGANICS IN SOIL (EPA 8240)

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	50	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methyl Ethyl Ketone	ND	50
Chlorobenzene	ND	5.0	Methylene Chloride	ND	5.0
Chloroethane	ND	10.0	Styrene	ND	5.0
Chloroform	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	10	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	10	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	5.0	Xylenes	ND	5.0

ug/kg = ppb
* = less than
ND = Not detected at or above the concentration of the detection limit.

Respectfully submitted,

JGPatel

J.G. Patel, M.S.
Environmental Chemist

John Quinn

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Area 317 2nd Lift
MATRIX : Soil

DATE RECIEVED: 02/02/88
DATE ANALYZED: 02/09/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA44

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	64	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	25	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Area 317 4th Lift
MATRIX : Soil

DATE RECIEVED: 02/02/88
DATE ANALYZED: 02/09/88
SAMPLE AMOUNT: 5ul:1/1
STANDARD ID : VOA44

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	29	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	12	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	5000	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Area 317 6th Lift
MATRIX : Soil

DATE RECIEVED: 02/02/88
DATE ANALYZED: 02/10/88
SAMPLE AMOUNT: 5 ul:1/1
STANDARD ID : VOA45

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	27	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	11	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	7900	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Area 317 8th Lift
MATRIX : Soil

DATE RECIEVED: 02/02/88
DATE ANALYZED: 02/10/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA45

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	840	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	1400	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	350000	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Area 317 10th Lift
MATRIX : Soil

DATE RECIEVED: 02/02/88
DATE ANALYZED: 02/11/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA46

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	4900	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	29	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	4200	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	8800	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Area 317 12th Lift
MATRIX : Soil

DATE RECIEVED: 02/02/88
DATE ANALYZED: 02/11/88
SAMPLE AMOUNT: 5UL:1/1
STANDARD ID : VOA46

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	22	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	740	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Area 317 14th Lift
MATRIX : Soil

DATE RECIEVED: 02/02/88
DATE ANALYZED: 02/11/88
SAMPLE AMOUNT: 5UL:1/1
STANDARD ID : VOA46

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	51	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	1100	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Area 317 16th Lift
MATRIX : Soil

DATE RECIEVED: 02/02/88
DATE ANALYZED: 02/12/88
SAMPLE AMOUNT: 5UL:1/1
STANDARD ID : VOA47

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	170	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	48	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	7300	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 6,4 18th Lift
MATRIX : Soil

DATE RECIEVED: 02/08/88
DATE ANALYZED: 02/15/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA48

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	39	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	170	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	6100	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	24	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 6,4 21st Lift
MATRIX : Soil

DATE RECIEVED: 02/08/88
DATE ANALYZED: 02/15/88
SAMPLE AMOUNT: 5ul:1/1
STANDARD ID : VOA48

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	320	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	4200	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	18	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 6,4 24th Lift
MATRIX : Soil

DATE RECIEVED: 02/08/88
DATE ANALYZED: 02/15/88
SAMPLE AMOUNT: 1.0 gms
STANDARD ID : VOA48

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	58	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	1000	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	210	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	3000	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	40	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 6,4 27th Lift
MATRIX : Soil

DATE RECIEVED: 02/08/88
DATE ANALYZED: 02/17/88
SAMPLE AMOUNT: 5ul:1/1
STANDARD ID : VOA50

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	99	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	7800	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 6,4 29th Lift
MATRIX : Soil

DATE RECIEVED: 02/08/88
DATE ANALYZED: 02/17/88
SAMPLE AMOUNT: 5ul:1/1
STANDARD ID : VOA50

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	190	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	5000	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	39	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 6,4 33rd Lift
MATRIX : Soil

DATE RECIEVED: 02/08/88
DATE ANALYZED: 02/17/88
SAMPLE AMOUNT: 5ul:1/1
STANDARD ID : VOA50

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	3700	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	13000	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	26	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 6,4 35th Lift
MATRIX : Soil

DATE RECIEVED: 02/08/88
DATE ANALYZED: 02/17/88
SAMPLE AMOUNT: 5ul:1/1
STANDARD ID : VOA50

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	21	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	3200	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	9700	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	20	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Node 6,4 37th Lift
MATRIX : Soil

DATE RECIEVED: 02/08/88
DATE ANALYZED: 02/17/88
SAMPLE AMOUNT: 5ul:1/1
STANDARD ID : VOA50

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/ G (ppm)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	30
74-83-9	BROMOMETHANE	ND	30
75-01-4	VINYL CHLORIDE	ND	30
75-00-3	CHLOROETHANE	ND	30
75-09-2	METHYLENE CHLORIDE	ND	50
67-64-1	ACETONE	ND	50
75-15-0	CARBON DISULFIDE	ND	5
75-35-4	1,1-DICHLOROETHENE	ND	5
75-34-3	1,1-DICHLOROETHANE	ND	5
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5
67-66-3	CHLOROFORM	ND	5
107-06-2	1,2-DICHLOROETHANE	ND	5
78-93-3	2-BUTANONE	ND	50
71-55-6	1,1,1-TRICHLOROETHANE	ND	5
16-23-5	CARBON TETRACHLORIDE	ND	5
108-05-4	VINYL ACETATE	ND	30
75-27-4	BROMODICHLOROMETHANE	ND	5
78-87-5	1,2-DICHLOROPROPANE	ND	5
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5
79-01-6	TRICHLOROETHENE	230	5
124-48-1	DIBROMOCHLOROMETHANE	ND	5
79-00-5	1,1,2-TRICHLOROETHANE	ND	5
71-43-2	BENZENE	ND	5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50
75-25-2	BROMOFORM	ND	5
119-78-6	2-HEXANONE	ND	30
108-10-1	4-METHYL-2-PENTANONE	ND	30
127-18-4	TETRACHLOROETHENE	7100	5
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	5
108-88-3	TOLUENE	ND	5
108-90-7	CHLOROBENZENE	ND	5
100-41-4	ETHYLBENZENE	ND	5
75-69-4	TRICHLOROFLUOROMETHANE	ND	5
100-42-5	STYRENE	ND	5
95-47-6	TOTAL XYLENES	ND	5
95-50-1	1,2-DICHLOROBENZENE	ND	5
541-73-1	1,3-DICHLOROBENZENE	ND	5
106-46-7	1,4-DICHLOROBENZENE	ND	5

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/08/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA25

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	8	10
67-64-1	ACETONE	9	10
75-15-0	CARBON DISULFIDE	2	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	ND	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	2	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	ND	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	ND	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/12/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA28

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	6	10
67-64-1	ACETONE	9	10
75-15-0	CARBON DISULFIDE	1	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	ND	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	2	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	ND	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	ND	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/13/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA29

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	6	10
67-64-1	ACETONE	20	10
75-15-0	CARBON DISULFIDE	1	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	ND	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	2	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	ND	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	ND	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 01/06/88
DATE ANALYZED: 01/14/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA30

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	3	10
67-64-1	ACETONE	22	10
75-15-0	CARBON DISULFIDE	1	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	2	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	ND	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	ND	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	2	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 01/25/88
DATE ANALYZED: 02/02/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA42

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	ND	10
67-64-1	ACETONE	ND	10
75-15-0	CARBON DISULFIDE	5	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	4 TR	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	ND	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	ND	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	ND	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 01/25/88
DATE ANALYZED: 02/03/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA43

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	ND	10
67-64-1	ACETONE	15	10
75-15-0	CARBON DISULFIDE	8	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	5 TR	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	ND	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	ND	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	ND	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 02/02/88
DATE ANALYZED: 02/09/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA44

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	ND	10
67-64-1	ACETONE	2	10
75-15-0	CARBON DISULFIDE	9	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	6 TR	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	ND	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	ND	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	ND	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 02/02/88
DATE ANALYZED: 02/10/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA45

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	ND	10
67-64-1	ACETONE	ND	10
75-15-0	CARBON DISULFIDE	7	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	ND	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	ND	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	ND	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	ND	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 02/02/88
DATE ANALYZED: 02/11/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA46

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	ND	10
67-64-1	ACETONE	ND	10
75-15-0	CARBON DISULFIDE	7	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	ND	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	ND	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	ND	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	ND	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

MATRIX SPIKE (MS AND MSD)
% RECOVERY AND RPD SUMMARY
LABORATORY: CENTRUM ANALYTICAL
METHOD: EPA 8240 (624)

DATE RECIEVED:02/02/88 UNITS: UG/KG (PPB)
DATE ANALYZED:02/12/88 MATRIX:SOIL
SAMPLE ID :BERMITE Area 317 16th Lift SAMPLE AMOUNT:5ul:1/20

COMPOUND:	CONC SPIKED:	CONC SAMPLE:	CONC MS:	% REC MS:	CONC MSD:	% REC MSD:	RPD:
1,1-DICHLOROETHENE	250	ND	246	98	273	109	10
TRICHLOROETHYLENE	250	48000	48191	76	48192	77	0
CHLOROBENZENE	250	ND	264	106	286	114	8
TOLUENE	250	ND	245	98	252	101	3
BENZENE	250	ND	207	83	204	82	2

% REC = (CONC MATRIX SPIKE - CONC SAMPLE)/(CONC SPIKED) * 100
RPD = (MS - MSD)/((MS + MSD)/ 2) * 100

RECOVERY: 0 OUT OF 10 OUTSIDE QC LIMITS
RPD: 0 OUT OF 5 OUTSIDE QC LIMITS

SOIL QUALITY CONTROL LIMITS:	RECOVERY:	RPD:
1,1-DICHLOROETHENE:	59-172	22
TRICHLOROETHYLENE:	62-137	24
CHLOROBENZENE:	60-133	21
TOLUENE:	59-139	21
BENZENE:	66-142	21

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 02/02/88
DATE ANALYZED: 02/12/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA47

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	ND	10
67-64-1	ACETONE	ND	10
75-15-0	CARBON DISULFIDE	6	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	ND	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	ND	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	ND	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	ND	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 02/08/88
DATE ANALYZED: 02/15/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA48

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	ND	10
67-64-1	ACETONE	ND	10
75-15-0	CARBON DISULFIDE	6	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	ND	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	ND	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 02/08/88
DATE ANALYZED: 02/17/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA50

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	ND	10
67-64-1	ACETONE	ND	10
75-15-0	CARBON DISULFIDE	6	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	ND	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	ND	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	ND	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	ND	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 02/15/88
DATE ANALYZED: 02/23/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA51

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	ND	10
67-64-1	ACETONE	ND	10
75-15-0	CARBON DISULFIDE	7	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	10	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	ND	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	ND	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	ND	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical Laboratory
SAMPLE : Lab Blank
MATRIX : Water

DATE RECIEVED: 02/15/88
DATE ANALYZED: 02/24/88
SAMPLE AMOUNT: 5.0 mls
STANDARD ID : VOA52

EPA METHOD 8240 (624)

CAS #	COMPOUND:	CONC: UG/L (ppb)	DETECTION LIMIT:
74-87-3	CHLOROMETHANE	ND	5
74-83-9	BROMOMETHANE	ND	5
75-01-4	VINYL CHLORIDE	ND	5
75-00-3	CHLOROETHANE	ND	5
75-09-2	METHYLENE CHLORIDE	ND	10
67-64-1	ACETONE	18	10
75-15-0	CARBON DISULFIDE	5	1
75-35-4	1,1-DICHLOROETHENE	ND	1
75-34-3	1,1-DICHLOROETHANE	ND	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	1
67-66-3	CHLOROFORM	ND	1
107-06-2	1,2-DICHLOROETHANE	ND	1
78-93-3	2-BUTANONE	ND	10
71-55-6	1,1,1-TRICHLOROETHANE	ND	1
16-23-5	CARBON TETRACHLORIDE	ND	1
108-05-4	VINYL ACETATE	ND	5
75-27-4	BROMODICHLOROMETHANE	ND	1
78-87-5	1,2-DICHLOROPROPANE	ND	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1
79-01-6	TRICHLOROETHENE	ND	1
124-48-1	DIBROMOCHLOROMETHANE	ND	1
79-00-5	1,1,2-TRICHLOROETHANE	ND	1
71-43-2	BENZENE	ND	1
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	10
75-25-2	BROMOFORM	ND	1
119-78-6	2-HEXANONE	ND	5
108-10-1	4-METHYL-2-PENTANONE	13	5
127-18-4	TETRACHLOROETHENE	ND	1
79-34-5	1,1,2,2 TETRACHLOROETHANE	ND	1
108-88-3	TOLUENE	ND	1
108-90-7	CHLOROBENZENE	ND	1
100-41-4	ETHYLBENZENE	ND	1
75-69-4	TRICHLOROFLUOROMETHANE	ND	1
100-42-5	STYRENE	ND	1
95-47-6	TOTAL XYLENES	ND	1
95-50-1	1,2-DICHLOROBENZENE	ND	1
541-73-1	1,3-DICHLOROBENZENE	ND	1
106-46-7	1,4-DICHLOROBENZENE	ND	1

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

VOLATILE ORGANICS IN SOIL (GC/MS)
EPA METHOD 8240

February 8, 1988
Lab No. 94195-7 Spike

Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

Attention: Bill Rosenthal

Sample Description: Node 9,1 27th Lift
Sampled by: Henry He, Wenck Associates
Date Sampled: January 11, 1988
Date Received: January 15, 1988 Date Analyzed: January 19, 1988

REPORT OF ANALYSIS

Compound	Percent Recovery	Compound	Percent Recovery
Acetone	109	trans-1,2-Dichloroethene	98
Benzene	76	1,2-Dichloropropane	97
Bromodichloromethane	96	cis-1,3-Dichloropropene	100
Bromoform	75	trans-1,3-Dichloropropene	92
Bromomethane	104	Ethyl Benzene	75
Carbon Tetrachloride	73	Methylene Chloride	115
Chlorobenzene	77	Methyl Ethyl Ketone	80
Chloroethane	124	Styrene	96
Chloroform	88	1,1,2,2-Tetrachloroethane	110
Chloromethane	73	Tetrachloroethene	65
Dibromochloromethane	84	Toluene	67
1,2-Dichlorobenzene	86	1,1,1-Trichloroethane	89
1,3-Dichlorobenzene	76	1,1,2-Trichloroethane	80
1,4-Dichlorobenzene	73	Trichloroethene	49
1,1-Dichloroethane	127	Trichlorofluoromethane	97
1,2-Dichloroethane	102	Vinyl Chloride	85
1,1-Dichloroethene	97	Xylenes	66

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Very truly yours,
FGL ENVIRONMENTAL, INC.

J.G. Patel M.S.
Environmental Chemist
JP/JQ:mel

John Quinn, Ph.D.
Environmental Chemist

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

VOLATILE ORGANICS IN SOIL (GC/MS)
EPA METHOD 8240

February 8, 1988
Lab No. 94195-3 Duplicate

Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

Attention: Bill Rosenthal

Sample Description: Node 9,1 24th Lift
Sampled by: Henry He, Wenck Associates
Date Sampled: January 11, 1988
Date Received: January 15, 1988 Date Analyzed: January 19, 1988

REPORT OF ANALYSIS

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methylene Chloride	ND	5.0
Chlorobenzene	ND	5.0	Methyl Ethyl Ketone	ND	50
Chloroethane	ND	10.0	Styrene	110	5.0
Chloroform	10	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	170	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	0.2	Xylenes	ND	5.0

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Very truly yours,
FGL ENVIRONMENTAL, INC.

J.G. Patel M.S.
Environmental Chemist

John Quinn, Ph.D.
Environmental Chemist

JP/JQ:mel

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

VOLATILE ORGANICS IN SOIL (GC/MS)
EPA METHOD 8240

February 8, 1988
Lab No. 94195 Sample Blank

Bermite Division of Whittaker
22116 West Soledad Canyon Road
Saugus, California 91350

Attention: Bill Rosenthal

Sample Description: Sample Blank
Sampled by: Henry He, Wenck Associates
Date Sampled: January 11, 1988
Date Received: January 15, 1988 Date Analyzed: January 19, 1988

REPORT OF ANALYSIS

Compound	ug/kg	Detection Limit ug/kg	Compound	ug/kg	Detection Limit ug/kg
Acetone	ND	50	trans-1,2-Dichloroethene	ND	5.0
Benzene	ND	5.0	1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Bromomethane	ND	10.0	Ethyl Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0	Methylene Chloride	ND	5.0
Chlorobenzene	ND	5.0	Methyl Ethyl Ketone	ND	50
Chloroethane	ND	10.0	Styrene	ND	5.0
Chloroform	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Chloromethane	ND	10.0	Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0	Toluene	ND	5.0
1,2-Dichlorobenzene	ND	5.0	1,1,1-Trichloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0	1,1,2-Trichloroethane	ND	5.0
1,4-Dichlorobenzene	ND	5.0	Trichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0	Trichlorofluoromethane	ND	5.0
1,2-Dichloroethane	ND	5.0	Vinyl Chloride	ND	10.0
1,1-Dichloroethene	ND	0.2	Xylenes	ND	5.0

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Very truly yours,
FGL ENVIRONMENTAL, INC.

J.G. Patel M.S.
Environmental Chemist
JP/JQ:mel

John Quinn, Ph.D.
Environmental Chemist

APPENDIX G

RECEIVED BY
WENCK ASSOCIATES INC.

FEB 23 1988

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker DATE RECIEVED: 01/25/88
SITE : Bermite JOB #:111-002
DATE : 02/22/88

EPA METHOD 8270 (625)

==========

THE ENCLOSED DATA RESULTS SHEETS ARE FOR SAMPLES THAT WERE ANALYZED ACCORDING TO EPA METHOD 8270. THE SAMPLES WERE ANALYZED ON A HP 5890 GC, EQUIPPED WITH A HP 5970 MSD. THE LABORATORY BLANK REPORTS FOR EACH DAY OF ANALYSIS, ALONG WITH THE QC DATA FOR THE ANALYSIS WILL FOLLOW IN AN ADDITIONAL REPORT.

THE FOLLOWING DATA REPORTING QUALIFIERS ARE USED ON THE DATA RESULTS SHEETS.

VALUE: IF THE RESULT IS A VALUE GREATER THAN OR EQUAL TO THE DETECTION LIMIT (DL), THE VALUE IS REPORTED.

ND: INDICATES THAT THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. THE MINIMUM DL FOR THE SAMPLE WITH THE ND IS REPORTED BASED ON NECESSARY CONCENTRATION OR DILUTION ACTIONS.

TR: INDICATES AN ESTIMATED VALUE. THIS FLAG IS USED WHEN THE MASS SPECTRAL DATA INDICATES THE PRESENCE OF A COMPOUND THAT MEETS THE IDENTIFICATION CRITERIA BUT THE RESULT IS LESS THAN THE SPECIFIED DL BUT GREATER THAN ZERO.

RESPECTFULLY SUBMITTED,

CENTRUM ANALYTICAL LABORATORIES

Michael A. Yartzoff

MICHAEL A. YARTZOFF
CHEMIST

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : NODE 7,2 20FT
SAMPLE AMOUNT: 30G:1ml
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/20/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
108-95-2	PHENOL	ND	30
111-44-4	BIS(2-CHLOROETHYL)ETHER	ND	30
95-57-8	2-CHLOROPHENOL	ND	30
541-73-1	1,3-DICHLOROBENZENE	ND	30
106-46-7	1,4-DICHLOROBENZENE	ND	30
100-51-6	BENZYL ALCOHOL	ND	30
95-50-1	1,2-DICHLOROBENZENE	ND	30
95-48-7	2-METHYLPHENOL	ND	30
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	ND	30
106-44-5	4-METHYLPHENOL	ND	30
621-64-7	N-NITROSODIPROPYLAMINE	ND	30
67-72-1	HEXACHLOROETHANE	ND	30
98-95-3	NITROBENZENE	ND	30
78-59-1	ISOPHORONE	ND	30
88-75-5	2-NITROPHENOL	ND	30
105-67-9	2,4-DIMETHYLPHENOL	ND	30
65-85-0	BENZOIC ACID	ND	200
111-91-1	BIS(2-CHLOROETHOXY)METHANE	ND	30
120-33-2	2,4-DICHLOROPHENOL	ND	30
120-82-1	1,2,4-TRICHLOROBENZENE	ND	30
91-20-3	NAPHTHALENE	ND	30
106-47-8	4-CHLOROANILINE	ND	30
87-68-3	HEXACHLOROBUTADIENE	ND	30
59-50-7	4-CHLORO-3-METHYLPHENOL	ND	30
91-57-6	2-METHYLNAPHTHALENE	ND	30
77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	30
88-06-2	2,4,6-TRICHLOROPHENOL	ND	30
95-95-4	2,4,5-TRICHLOROPHENOL	ND	200
91-58-7	2-CHLORONAPHTHALENE	ND	30
88-74-4	2-NITROANALINE	ND	200
131-11-3	DIMETHYL PHTHALATE	ND	30
208-96-8	ACENAPHTHYLENE	ND	30
99-09-2	3-NITROANILINE	ND	200
83-32-9	ACENAPHTHENE	ND	30
51-28-5	2,4-DINITROPHENOL	ND	200
100-02-7	4-NITROPHENOL	ND	200
132-64-9	DIBENZOFURAN	ND	30
121-14-2	2,4-DINITROTOLUENE	ND	30
606-20-2	2,6-DINITROTOLUENE	ND	30

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : NODE 7,2 20FT
SAMPLE AMOUNT: 30G:1ml
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/20/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
84-66-2	DIETHYL PHTHALATE	ND	30
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ND	30
86-73-7	FLUORENE	ND	30
100-01-6	4-NITROANILINE	ND	200
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	200
86-30-6	N-NITROSODIPHENYLAMINE	ND	30
101-55-3	4-BROMOPHENYL PHENYL ETHER	ND	30
118-74-1	HEXACHLOROBENZENE	ND	30
87-86-5	PENTACHLOROPHENOL	ND	200
85-01-8	PHENANTHRENE	ND	30
120-12-7	ANTHRACENE	ND	30
84-74-2	DI-N-BUTYL PHTHALATE	ND	30
206-44-0	FLUORANTHENE	ND	30
129-00-0	PYRENE	ND	30
85-68-7	BUTYL BENZYL PHTHALATE	ND	30
91-94-1	3,3'-DICHLOROBENZIDINE	ND	70
56-55-3	BENZO(A)ANTHRACENE	ND	30
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	30
218-01-9	CHRYSENE	ND	30
117-84-0	DI-N-OCTYL PHTHALATE	ND	30
205-99-2	BENZO(B & K)FLUORANTHENES	ND	30
50-32-8	BENZO(A)PYRENE	ND	30
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	30
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	30
191-24-2	BENZO(GHI)PERYLENE	ND	30

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : NODE 7,2 20FT
SAMPLE AMOUNT: 30G:1ml
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/28/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME:	FRACTION:	ESTIMATED CONC:UG/KG (ppb)
UNKNOWN BENZENEDICARBOXYLIC ACID ESTERS	BNA	200

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : NODE 6,3 20FT
SAMPLE AMOUNT: 30G:1ml
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/20/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
108-95-2	PHENOL	ND	30
111-44-4	BIS(2-CHLOROETHYL)ETHER	ND	30
95-57-8	2-CHLOROPHENOL	ND	30
541-73-1	1,3-DICHLOROBENZENE	ND	30
106-46-7	1,4-DICHLOROBENZENE	ND	30
100-51-6	BENZYL ALCOHOL	ND	30
95-50-1	1,2-DICHLOROBENZENE	ND	30
95-48-7	2-METHYLPHENOL	ND	30
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	ND	30
106-44-5	4-METHYLPHENOL	ND	30
621-64-7	N-NITROSODIPROPYLAMINE	ND	30
67-72-1	HEXACHLOROETHANE	ND	30
98-95-3	NITROBENZENE	ND	30
78-59-1	ISOPHORONE	ND	30
88-75-5	2-NITROPHENOL	ND	30
105-67-9	2,4-DIMETHYLPHENOL	ND	30
65-85-0	BENZOIC ACID	ND	200
111-91-1	BIS(2-CHLOROETHOXY)METHANE	ND	30
120-33-2	2,4-DICHLOROPHENOL	ND	30
120-82-1	1,2,4-TRICHLOROBENZENE	ND	30
91-20-3	NAPHTHALENE	ND	30
106-47-8	4-CHLOROANILINE	ND	30
87-68-3	HEXACHLOROBUTADIENE	ND	30
59-50-7	4-CHLORO-3-METHYLPHENOL	ND	30
91-57-6	2-METHYLNAPHTHALENE	ND	30
77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	30
88-06-2	2,4,6-TRICHLOROPHENOL	ND	30
95-95-4	2,4,5-TRICHLOROPHENOL	ND	200
91-58-7	2-CHLORONAPHTHALENE	ND	30
88-74-4	2-NITROANALINE	ND	200
131-11-3	DIMETHYL PHTHALATE	ND	30
208-96-8	ACENAPHTHYLENE	ND	30
99-09-2	3-NITROANILINE	ND	200
83-32-9	ACENAPHTHENE	ND	30
51-28-5	2,4-DINITROPHENOL	ND	200
100-02-7	4-NITROPHENOL	ND	200
132-64-9	DIBENZOFURAN	ND	30
121-14-2	2,4-DINITROTOLUENE	ND	30
606-20-2	2,6-DINITROTOLUENE	ND	30

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : NODE 6,3 20FT
SAMPLE AMOUNT: 30G:1ml
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/20/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
84-66-2	DIETHYL PHTHALATE	ND	30
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ND	30
86-73-7	FLUORENE	ND	30
100-01-6	4-NITROANILINE	ND	200
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	200
86-30-6	N-NITROSODIPHENYLAMINE	ND	30
101-55-3	4-BROMOPHENYL PHENYL ETHER	ND	30
118-74-1	HEXACHLOROBENZENE	ND	30
87-86-5	PENTACHLOROPHENOL	ND	200
85-01-8	PHENANTHRENE	ND	30
120-12-7	ANTHRACENE	ND	30
84-74-2	DI-N-BUTYL PHTHALATE	ND	30
206-44-0	FLUORANTHENE	ND	30
129-00-0	PYRENE	ND	30
85-68-7	BUTYL BENZYL PHTHALATE	ND	30
91-94-1	3,3'-DICHLOROBENZIDINE	ND	70
56-55-3	BENZO(A)ANTHRACENE	ND	30
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	30
218-01-9	CHRYSENE	ND	30
117-84-0	DI-N-OCTYL PHTHALATE	ND	30
205-99-2	BENZO(B & K)FLUORANTHENES	ND	30
50-32-8	BENZO(A)PYRENE	ND	30
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	30
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	30
191-24-2	BENZO(GHI)PERYLENE	ND	30

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : NODE 6,3 20FT
SAMPLE AMOUNT: 30G:1ml
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/28/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME:	FRACTION:	ESTIMATED CONC:UG/KG (ppb)
TETRACHLOROETHYLENE	BNA	30
STYRENE	BNA	60
UNKNOWN BENZENEDICARBOXYLIC ACID ESTERS	BNA	1400

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : NODE 5,1 20FT
SAMPLE AMOUNT: 30G:1ml
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/20/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
108-95-2	PHENOL	ND	30
111-44-4	BIS(2-CHLOROETHYL)ETHER	ND	30
95-57-8	2-CHLOROPHENOL	ND	30
541-73-1	1,3-DICHLOROBENZENE	ND	30
106-46-7	1,4-DICHLOROBENZENE	ND	30
100-51-6	BENZYL ALCOHOL	ND	30
95-50-1	1,2-DICHLOROBENZENE	ND	30
95-48-7	2-METHYLPHENOL	ND	30
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	ND	30
106-44-5	4-METHYLPHENOL	ND	30
621-64-7	N-NITROSODIPROPYLAMINE	ND	30
67-72-1	HEXACHLOROETHANE	ND	30
98-95-3	NITROBENZENE	ND	30
78-59-1	ISOPHORONE	ND	30
88-75-5	2-NITROPHENOL	ND	30
105-67-9	2,4-DIMETHYLPHENOL	ND	30
65-85-0	BENZOIC ACID	ND	200
111-91-1	BIS(2-CHLOROETHOXY)METHANE	ND	30
120-33-2	2,4-DICHLOROPHENOL	ND	30
120-82-1	1,2,4-TRICHLOROBENZENE	ND	30
91-20-3	NAPHTHALENE	ND	30
106-47-8	4-CHLOROANILINE	ND	30
87-68-3	HEXACHLOROBUTADIENE	ND	30
59-50-7	4-CHLORO-3-METHYLPHENOL	ND	30
91-57-6	2-METHYLNAPHTHALENE	ND	30
77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	30
88-06-2	2,4,6-TRICHLOROPHENOL	ND	30
95-95-4	2,4,5-TRICHLOROPHENOL	ND	200
91-58-7	2-CHLORONAPHTHALENE	ND	30
88-74-4	2-NITROANALINE	ND	200
131-11-3	DIMETHYL PHTHALATE	ND	30
208-96-8	ACENAPHTHYLENE	ND	30
99-09-2	3-NITROANILINE	ND	200
83-32-9	ACENAPHTHENE	ND	30
51-28-5	2,4-DINITROPHENOL	ND	200
100-02-7	4-NITROPHENOL	ND	200
132-64-9	DIBENZOFURAN	ND	30
121-14-2	2,4-DINITROTOLUENE	ND	30
606-20-2	2,6-DINITROTOLUENE	ND	30

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : NODE 5,1 20FT
SAMPLE AMOUNT: 30G:1ml
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/20/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
84-66-2	DIETHYL PHTHALATE	ND	30
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ND	30
86-73-7	FLUORENE	ND	30
100-01-6	4-NITROANILINE	ND	200
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	200
86-30-6	N-NITROSODIPHENYLAMINE	ND	30
101-55-3	4-BROMOPHENYL PHENYL ETHER	ND	30
118-74-1	HEXACHLOROBENZENE	ND	30
87-86-5	PENTACHLOROPHENOL	ND	200
85-01-8	PHENANTHRENE	ND	30
120-12-7	ANTHRACENE	ND	30
84-74-2	DI-N-BUTYL PHTHALATE	ND	30
206-44-0	FLUORANTHENE	ND	30
129-00-0	PYRENE	ND	30
85-68-7	BUTYL BENZYL PHTHALATE	ND	30
91-94-1	3,3'-DICHLOROBENZIDINE	ND	70
56-55-3	BENZO(A)ANTHRACENE	ND	30
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	30
218-01-9	CHRYSENE	ND	30
117-84-0	DI-N-OCTYL PHTHALATE	ND	30
205-99-2	BENZO(B & K)FLUORANTHENES	ND	30
50-32-8	BENZO(A)PYRENE	ND	30
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	30
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	30
191-24-2	BENZO(GHI)PERYLENE	ND	30

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : NODE 5,1 20FT
SAMPLE AMOUNT: 30G:1ml
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/28/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME:	FRACTION:	ESTIMATED CONC:UG/KG (ppb)
NONE FOUND	BNA	

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : NODE 4,2 20FT
SAMPLE AMOUNT: 30G:1ml
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/20/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
108-95-2	PHENOL	ND	30
111-44-4	BIS(2-CHLOROETHYL)ETHER	ND	30
95-57-8	2-CHLOROPHENOL	ND	30
541-73-1	1,3-DICHLOROBENZENE	ND	30
106-46-7	1,4-DICHLOROBENZENE	ND	30
100-51-6	BENZYL ALCOHOL	ND	30
95-50-1	1,2-DICHLOROBENZENE	ND	30
95-48-7	2-METHYLPHENOL	ND	30
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	ND	30
106-44-5	4-METHYLPHENOL	ND	30
621-64-7	N-NITROSODIPROPYLAMINE	ND	30
67-72-1	HEXACHLOROETHANE	ND	30
98-95-3	NITROBENZENE	ND	30
78-59-1	ISOPHORONE	ND	30
88-75-5	2-NITROPHENOL	ND	30
105-67-9	2,4-DIMETHYLPHENOL	ND	30
65-85-0	BENZOIC ACID	ND	200
111-91-1	BIS(2-CHLOROETHOXY)METHANE	ND	30
120-33-2	2,4-DICHLOROPHENOL	ND	30
120-82-1	1,2,4-TRICHLOROBENZENE	ND	30
91-20-3	NAPHTHALENE	ND	30
106-47-8	4-CHLOROANILINE	ND	30
87-68-3	HEXACHLOROBUTADIENE	ND	30
59-50-7	4-CHLORO-3-METHYLPHENOL	ND	30
91-57-6	2-METHYLNAPHTHALENE	ND	30
77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	30
88-06-2	2,4,6-TRICHLOROPHENOL	ND	30
95-95-4	2,4,5-TRICHLOROPHENOL	ND	200
91-58-7	2-CHLORONAPHTHALENE	ND	30
88-74-4	2-NITROANALINE	ND	200
131-11-3	DIMETHYL PHTHALATE	ND	30
208-96-8	ACENAPHTHYLENE	ND	30
99-09-2	3-NITROANILINE	ND	200
83-32-9	ACENAPHTHENE	ND	30
51-28-5	2,4-DINITROPHENOL	ND	200
100-02-7	4-NITROPHENOL	ND	200
132-64-9	DIBENZOFURAN	ND	30
121-14-2	2,4-DINITROTOLUENE	ND	30
606-20-2	2,6-DINITROTOLUENE	ND	30

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : NODE 4,2 20FT
SAMPLE AMOUNT: 30G:1ml
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/20/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
84-66-2	DIETHYL PHTHALATE	ND	30
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ND	30
86-73-7	FLUORENE	ND	30
100-01-6	4-NITROANILINE	ND	200
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	200
86-30-6	N-NITROSODIPHENYLAMINE	ND	30
101-55-3	4-BROMOPHENYL PHENYL ETHER	ND	30
118-74-1	HEXACHLOROBENZENE	ND	30
87-86-5	PENTACHLOROPHENOL	ND	200
85-01-8	PHENANTHRENE	ND	30
120-12-7	ANTHRACENE	ND	30
84-74-2	DI-N-BUTYL PHTHALATE	ND	30
206-44-0	FLUORANTHENE	ND	30
129-00-0	PYRENE	ND	30
85-68-7	BUTYL BENZYL PHTHALATE	ND	30
91-94-1	3,3'-DICHLOROBENZIDINE	ND	70
56-55-3	BENZO(A)ANTHRACENE	ND	30
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	30
218-01-9	CHRYSENE	ND	30
117-84-0	DI-N-OCTYL PHTHALATE	ND	30
205-99-2	BENZO(B & K)FLUORANTHENES	ND	30
50-32-8	BENZO(A)PYRENE	ND	30
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	30
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	30
191-24-2	BENZO(GHI)PERYLENE	ND	30

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : NODE 4,2 20FT
SAMPLE AMOUNT: 30G:1ml
MATRIX : Soil

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/28/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME:	FRACTION:	ESTIMATED CONC:UG/KG (ppb)
NONE FOUND	BNA	

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

RECEIVED BY
WENCK ASSOCIATES INC.

FEB 25 1988

CLIENT : Bermite Division of Whittaker DATE RECIEVED: 01/25/88
SITE : Bermite JOB #:111-002

EPA METHOD 8270 (625)

==========

THE ENCLOSED DATA RESULTS SHEETS ARE FOR SAMPLES THAT WERE ANALYZED ACCORDING TO EPA METHOD 8270. THE SAMPLES WERE EXTRACTED ACCORDING TO EPA METHOD 3550, AND ANALYZED ON AN HP 5890 GC EQUIPPED WITH A HP 5790 MSD. ALSO ENCLOSED IS THE METHOD BLANK REPORT AND QC DATA FOR THE SAMPLE ANALYSIS.

THE FOLLOWING DATA REPORTING QUALIFIERS ARE USED ON THE DATA RESULTS SHEETS.

VALUE: IF THE RESULT IS A VALUE GREATER THAN OR EQUAL TO THE DETECTION LIMIT (DL), THE VALUE IS REPORTED.

ND: INDICATES THAT THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. THE MINIMUM DL FOR THE SAMPLE WITH THE ND IS REPORTED BASED ON NECESSARY CONCENTRATION OR DILUTION ACTIONS.

TR: INDICATES AN ESTIMATED VALUE. THIS FLAG IS USED WHEN THE MASS SPECTRAL DATA INDICATES THE PRESENCE OF A COMPOUND THAT MEETS THE IDENTIFICATION CRITERIA BUT THE RESULT IS LESS THAN THE SPECIFIED DL BUT GREATER THAN ZERO.

RESPECTFULLY SUBMITTED,

CENTRUM ANALYTICAL LABORATORIES

Michael A. Yartzoff
MICHAEL A. YARTZOFF
CHEMIST

Ida Wallace
IDA WALLACE
LABORATORY SUPERVISOR

ACENAPHTHENE:	[illegible]	[illegible]	[illegible]	[illegible]			
2,4 DINITROTOLUENE:	1700	ND	1207	71	1317	78	9
PYRENE:	1500	ND	1347	90	767	51	55
N-NITROSODI-N-PROPYLAMINE:	1700	ND	737	43	927	54	23
1,4-DICHLOROBENZENE:	1700	ND	947	56	1467	86	43
PENTACHLOROPHENOL:	3300	ND	2950	89	3273	99	10
PHENOL:	3300	ND	1637	50	1647	50	1
2-CHLOROPHENOL:	3300	ND	1707	52	2517	76	38
4-CHLORO-3-METHYLPHENOL:	3300	ND	2157	65	2567	78	17
4-NITROPHENOL:	2500	ND	190	8	257	10	54

% REC = (CONC MATRIX SPIKE - CONC SAMPLE)/(CONC SPIKED) * 100
RPD = (MS - MSD)/((MS + MSD)/ 2) * 100

RECOVERY: 2 OUT OF 22 OUTSIDE QC LIMITS
RPD: 4 OUT OF 11 OUTSIDE QC LIMITS

SOIL QUALITY CONTROL LIMITS:	RECOVERY:	RPD:
1,2,4 TRICHLOROBENZENE:	38-107	23
ACENAPHTHENE:	31-137	19
2,4 DINITROTOLUENE:	28-89	47
PYRENE:	35-142	36
N-NITROSODI-N-PROPYLAMINE:	41-126	38
1,4-DICHLOROBENZENE:	28-104	27
PENTACHLOROPHENOL:	17-109	47
PHENOL:	26-90	35
2-CHLOROPHENOL:	25-102	50
4-CHLORO-3-METHYLPHENOL:	26-103	33
4-NITROPHENOL:	11-114	50

120-82-1	1,2,4-TRICHLOROBENZENE	ND	30
91-20-3	NAPHTHALENE	ND	30
106-47-8	4-CHLOROANILINE	ND	30
87-68-3	HEXACHLOROBUTADIENE	ND	30
59-50-7	4-CHLORO-3-METHYLPHENOL	ND	30
91-57-6	2-METHYLNAPHTHALENE	ND	30
77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	30
88-06-2	2,4,6-TRICHLOROPHENOL	ND	30
95-95-4	2,4,5-TRICHLOROPHENOL	ND	200
91-58-7	2-CHLORONAPHTHALENE	ND	30
88-74-4	2-NITROANALINE	ND	200
131-11-3	DIMETHYL PHTHALATE	ND	30
208-96-8	ACENAPHTHYLENE	ND	30
99-09-2	3-NITROANILINE	ND	200
83-32-9	ACENAPHTHENE	ND	30
51-28-5	2,4-DINITROPHENOL	ND	200
100-02-7	4-NITROPHENOL	ND	200
132-64-9	DIBENZOFURAN	ND	30
121-14-2	2,4-DINITROTOLUENE	ND	30
606-20-2	2,6-DINITROTOLUENE	ND	30

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Centrum Analytical
SAMPLE : Method Blank
SAMPLE AMOUNT:
MATRIX : Solvent

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/20/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

CAS #	COMPOUND:	CONC: UG/KG (ppb)	DETECTION LIMIT:
84-66-2	DIETHYL PHTHALATE	ND	30
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ND	30
86-73-7	FLUORENE	ND	30
100-01-6	4-NITROANILINE	ND	200
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	200
86-30-6	N-NITROSODIPHENYLAMINE	ND	30
101-55-3	4-BROMOPHENYL PHENYL ETHER	ND	30
118-74-1	HEXACHLOROBENZENE	ND	30
87-86-5	PENTACHLOROPHENOL	ND	200
85-01-8	PHENANTHRENE	ND	30
120-12-7	ANTHRACENE	ND	30
84-74-2	DI-N-BUTYL PHTHALATE	ND	30
206-44-0	FLUORANTHENE	ND	30
129-00-0	PYRENE	ND	30
85-68-7	BUTYL BENZYL PHTHALATE	ND	30
91-94-1	3,3'-DICHLOROBENZIDINE	ND	70
56-55-3	BENZO(A)ANTHRACENE	ND	30
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	30
218-01-9	CHRYSENE	ND	30
117-84-0	DI-N-OCTYL PHTHALATE	ND	30
205-99-2	BENZO(B & K)FLUORANTHENES	ND	30
50-32-8	BENZO(A)PYRENE	ND	30
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	30
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	30
191-24-2	BENZO(GHI)PERYLENE	ND	30

CENTRUM ANALYTICAL LABORATORIES

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

CLIENT : Bermite Division of Whittaker
SITE : Bermite
SAMPLE : Method Blank
SAMPLE AMOUNT:
MATRIX : Solvent

DATE RECIEVED: 01/25/88
DATE PREPARED: 01/28/88
DATE ANALYZED: 02/28/88

STANDARD ID : BNA20

EPA METHOD 8270 (625)

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME:	FRACTION:	ESTIMATED CONC:UG/KG (ppb)
UNKNOWN BENZENEDICARBOXYLIC ACID ESTERS	BNA	30

APPENDIX H