NOTICE

All drawings located at the end of the document.

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Data Summary Report for IHSSs 170, 174A, and 174B, Property Utilization & Storage Yard

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ACRONYMS

DOE/RFFO	U.S. Department of Energy/Rocky Flats Field Office
FIDLER	Field Instrument for Detection of Low Energy Radiation
IHSSs	Individual Hazardous Substance Sites
K-H	Kaiser-Hill Company, Inc.
OU	Operable Unit
PCBs	Polychlorinated Biphynels
PID	Photoionization Detector
PU&D Yard	Property Utilization and Disposal Storage Yard
RCRA	Resource Conservation and Recovery Act
RFCA	Rocky Flats Cleanup Agreement
RFI/RI	RCRA Facility Investigation/Remedial Investigation
RFETS	Rocky Flats Environmental Technology Site
RMRS	Rocky Mountain Remediation Services
SAP	Sampling Analysis Plan
PCE	tetrachloroethene
1,1,1-TCA	1,1,1-trichloroethane
TCE	trichloroethene
VOCs	volatile organic compounds
WARP	Well Abandonment and Replacement Program

1.0 INTRODUCTION

The purpose of this Data Summary Report is to document the pre-remedial investigation of Individual Hazardous Substance Sites (IHSSs) 170 and 174A and 174B, also known as the Property Utilization, Storage, and Disposal Storage Yard (PU&D Yard), at the Rocky Flats Environmental Technology Site (RFETS). The purpose of the pre-remedial investigation was to identify if a source of volatile organic compounds (VOCs) in subsurface soil was present in the PU&D Yard that could be impacting groundwater requiring remedial action (RMRS, 1997). The objective of the investigation was to evaluate subsurface soil for VOCs by further investigating the soil gas survey anomalies, two areas of surface staining in the east central portion of IHSS 170, and two attempted well point locations approximately 570 and 680 feet east of IHSS 170 where anomalous organic vapor readings were observed during Well Abandonment and Replacement Program (WARP) FY97 field work. This Data Summary Report summarizes the field activities and analytical results from the activities to locate potential residual VOC contamination equal to or greater than the Rocky Flats Cleanup Agreement (RFCA) Tier I subsurface soil action levels (DOE, 1996). On the basis of the analytical results from this pre-remedial investigation, a VOC contaminant source equal to or above the RFCA Tier I subsurface soil action levels was not identified and the PU&D Yard (IHSSs 170, 174A, and 174B) will not require remediation. This investigation was conducted by Rocky Mountain Remediation Services (RMRS) Environmental Restoration Projects Group on behalf of Kaiser-Hill Company, Inc. (K-H) for the U.S. Department of Energy/Rocky Flats Field Office (DOE/RFFO).

1.1 Background

The PU&D Yard IHSSs are located in the northwest buffer zone and were former storage areas for empty drums, cargo boxes, excess materials, and dumpsters from 1974 until 1994 (Figure 1-1). Some drums may have contained unknown residual quantities and types of chlorinated hydrocarbons and chemicals. Two areas within IHSS 170 were specified for the storage of hazardous materials. Specifically, empty drums were stored at IHSS 174A and IHSS 174B was designated for a dumpster. The dumpster contained stainless steel metal chips and lathe turnings coated with freon-based or oil-based lathe coolant. Potential VOC contamination was suspected as a result of the potential of leaking drums containing residual chlorinated hydrocarbons or metal turnings coated with residual chlorinated hydrocarbons at the surface, or as surface spills.

Previous information on IHSSs 170, 174A, and 174B (formerly part of Operable Unit 10 [OU 10]) is documented in an internal letter (Rockwell, 1987), the Closure Plan for the Container

Storage Area (Rockwell, 1988), the OU 10 Phase I Resource Conservation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation (RFI/RI) Work Plan (DOE 1992a), Draft Technical Memorandum No. 1 - Data Summary for OU 10 (EG&G, 1995a), the Final Historical Release Report (DOE, 1992b) and the Hydrogeologic and Geologic Characterization Reports for RFETS (EG&G, 1995b and 1995c).

Specifically, the scope of this investigation was based on the soil gas survey performed per the Phase I RFI/RI which consisted of 235 soil gas sample locations (EG&G, 1995a). Figure 1-1 shows the soil gas survey locations and anomalies which indicated possible subsurface contamination in three investigative areas, (1) the east-southeast side of IHSS 170, (2) the northeast corner of IHSS 170 and IHSS 174A, and (3) the surface stain area in IHSS 174B. The primary volatile organic compounds (VOCs) detected in soil gas were: acetone, benzene, trichloroethene (TCE), tetrachloroethene (PCE), and 1,1,1-trichloroethane (1,1,1-TCA).

The Phase I RFI/RI Work Plan (DOE, 1992a) indicated the presence of chlorinated solvents (PCE at 94 µg/Kg and 1,1,1-TCA at 160 µg/Kg) in near-surface soil in two of the 14 one foot deep soil samples from IHSS 174A (Figure 1-1). The approximate area where these two samples were collected were investigated as part of this investigation. In addition, a total of 71 surface soil locations (Figure 1-1) were sampled in the PU&D Yard IHSSs (EG&G, 1995a). Thirty-seven soil samples from IHSS 170, twenty-six soil samples from IHSS 174A, and eight soil samples from IHSS 174B were analyzed for total metals, semivolatile organic compounds, pesticides, and polychlorinated biphenyl's (PCBs). The PCB aroclor-1254 was observed in four samples from IHSS 174A (EG&G, 1995a) at concentrations greater than the RFCA Tier II surface soil action level but less than the RFCA Tier I surface soil action level (DOE, 1996). Beryllium was observed in two samples from IHSS 174A (EG&G, 1995a) at concentrations greater than the RFCA Tier II surface soil action level but less than the RFCA Tier I surface soil action level (DOE, 1996). Vanadium was observed in one sample from IHSS 174A at a concentration of 43,400 mg/Kg (EG&G, 1995a) which is greater than the RFCA Tier I surface soil action level for industrial use but less than the RFCA Tier I surface soil action level for open space use (DOE, 1996).

High Purity Geranium and Sodium Iodide surveys of IHSSs 170, 174A, and 174B were also performed as part of the RFI/RI (EG&G, 1995a) with no anomalous results observed. However, according to an internal letter (Rockwell, 1987), a small spill of approximately 100 grams of

green powder was reported from a drum in December 1987. The powder contained approximately 60 percent aluminum oxide, 32.5 percent chromium oxide, 3,000 pCi/g plutonium, 1,000 pCi/g americium, and 100 pCi/g uranium-235. Approximately 95 percent of the spilled powder was contained in the sample.

1.2 Hydrogeologic and Contaminant Setting

The PU&D Yard is located on an eastward sloping pediment surface where 30 to 40 feet of unconsolidated surficial materials of the Rocky Flats Alluvium overlie weathered claystone bedrock of the Laramie Formation (EG&G, 1995b). Depth to groundwater is approximately five to 20 feet with a hydraulic gradient of 0.01 ft/ft towards the east (EG&G, 1995c). Concentrations of 1,1-Dichloroethene, PCE, and TCE greater than RFCA Tier II groundwater action levels (DOE, 1996) are observed in groundwater monitoring well 70393, upgradient of IHSS 114, the Present Landfill, and in groundwater seep monitoring location 61495, above North Walnut Creek (Figure 1-1).

2.0 FIELD ACTIVITIES

This section describes the sampling and data quality results collected per the SAP for the pre-remedial investigation of IHSSs 170, 174A, and 174B (RMRS, 1997). Data requirements to support this project were developed using criteria established in *Guidance for the Data Quality Objective Process*, EPA QA/G-4 (EPA, 1994). The data gaps, study boundaries, and decisions are described below.

The primary data gap was the lack of subsurface VOC data for soil and groundwater. Twenty soil borings were advanced as shown on Figure 2-1 and thirty-eight subsurface soil samples were collected for VOC analyses to evaluate subsurface soil for VOC contamination equal to or greater than the RFCA Tier I subsurface soil action levels (DOE, 1996). Six groundwater samples were collected to characterize VOC contamination to assist with source delineation.

Four groundwater monitoring wells were installed to the north, east, west, and south of IHSS 170 as shown on Figure 1-1, as part of the Groundwater Monitoring Program FY97 WARP and agreed to by the regulators. Hollow-stem auger drilling methodology was utilized and 20 composite soil samples from drummed soil cuttings were collected for TCLP-metals analysis for RCRA waste characterization. Soil analytical results for total VOCs will also be used for RCRA waste characterization.

2.1 Data Quality Objectives

The data quality objectives for this investigation are summarized in Tables 2-1 and 2-2. Deviations from the SAP (RMRS, 1997) are a minimum of one VOC sample was collected per boring instead of three per boring as planned due to shallow groundwater conditions encountered and one additional soil boring BH18997 was located southwest of BH17497 due to detectable concentrations of PCE observed in subsurface soil. In addition, soil analyses were performed by EPA SW846/8260 instead of EPA SW846/8240. One soil boring, BH18897, was not abandoned and was subsequently utilized by the WARP to install monitoring well 01797. Investigative, quality control, and quality assurance samples were collected as summarized in Table 2-2. In addition, a summary of data usability on validated data is provided in Appendix E.

2.2 Sampling

Twenty soil borings were drilled during this investigation as shown on Figure 2-1 and samples were collected as described below. Borings were drilled one to two feet into groundwater or to a sufficient depth to confirm or collect groundwater samples. Thirteen soil borings were located over VOC soil gas survey anomalies delineated by the 1994 soil gas survey (Figure 1-1 and 2-1). Two soil borings were located over two additional areas of surficial oil staining (Figure 1-1 and 2-1), two soil borings were located over the two surface soil locations with detectable VOCs in IHSS 174A, and one soil boring was located 15 feet southwest of BH17497 where PCE was observed in subsurface soil. Two soil borings were located over two attempted well point locations approximately 570 and 680 feet east of IHSS 170 where anomalous organic vapor readings were observed by the WARP on August 28, 1997 (Figure 2-1). Soil boring locations were radiologically surveyed using the Field Instrument for Detection of Low Energy Radiation (FIDLER) per FO.16, "Field Radiological Measurements".

Subsurface soil samples were collected at five foot intervals, or where visible staining or other indications of VOC contamination were present. Two-foot core runs using a split-spoon sampler were collected with a hollow-stem auger drill rig, logged in the field, and field screened for VOCs. A Photoionization Detector (PID) was used in the field to screen the collected core to assist in identifying the intervals where VOCs may be present. Soil core was visually logged per the SAP (RMRS, 1997) by the field geologist and boring logs are presented in Appendix A. Radiological screening samples, when required, were composited from the 0.5 foot interval

Table 2-1

Data Quality Summary

Data Quality Objective	Activity	Results
Locate concentrations of VOCs in soil equal to or greater than the Tier I subsurface soil action levels listed in Table 2-4. Document concentrations of radionuclides in surface soil.	20 soil borings were drilled from 8 to 22 feet or one to two feet into groundwater. A minimum of one soil sample per boring was analyzed for VOCs. Two QC samples (one duplicate and one rinsate) were collected per 20 real samples and one trip blank per cooler. Analyses were by USEPA VOA by SW846/8260. Three surface soil samples and one duplicate were collected based on the three highest FIDLER survey results and analyzed for radioisotopes by HPGe.	PCE was detected in 3 of 38 samples with a maximum concentration of 5,700 µg/Kg. TCE was detected in one of 38 samples with an estimated concentration of 360 µg/Kg. Napthalene was detected in one of 38 samples with an estimated concentration of 390 µg/Kg. Methylene chloride was detected in 28 of 38 samples with a maximum concentration of 3,000 µg/Kg.
Characterize groundwater for the presence of VOCs. Assist with delineation of residual VOC source area.	20 soil borings were drilled to a sufficient depth to collect groundwater samples with six soil borings having a groundwater sample collected and analyzed for VOCs. Two QC samples (1 duplicate and 1 rinsate) was collected per 20 real groundwater samples and one trip blank per cooler. Analyses were by SW846/8260.	1,1,1-TCA was detected in 3 of 6 samples with a maximum concentration of 14 µg/L. PCE was detected in 4 of 6 samples with a maximum concentration of 1,700 µg/L. Methylene chloride was detected in 5 of 6 samples with a maximum concentration of 130 JB µg/L, which is less than 10 times the level observed in the method blank and therefore is eliminated from the sample results. Acetone was observed on 1 of 6 samples with a concentration of 4 µg/L which is less than the concentration observed in the method blank and therefore is eliminated from the sample results. Trichlorotrifluoroethane was observed in 3 of 6 samples with a maximum concentration of 40 µg/L. TCE and 1,1-DCE were observed in 1 of 6 samples with concentrations of 2.7 and 5.5 µg/L, respectively.
Characterize investigative derived materials (IDM) - soil cuttings from hollow-stem auger drilling for RCRA waste disposition.	One composite sample per borehole from 20 soil borings were collected and analyzed for TCLP-metals. Two QC samples (one duplicate and one rinsate) were collected per 20 real samples. Results of VOC soil samples as described above, were utilized for this objective.	VOC results as summarized above. TCLP-metals - see Appendix C.

J = Estimated concentration of analyte detected below method practical quantitation limit.
B = Analyte appears in method blank.
1,1-DCE = 1,1-Dichloroethene

Table 2-2

Quality Control Sample Summary

Type of Samples	No. of REAL	No. of DUPLICATE	No. of TRIP BLANK	No. of RINSE BLANK
BH	38	2	10	2
BP	20	1	NA	1
GW	6	1	2	1
SS	3	1	NA	NA

Note: BH = soil samples, BP = IDM soil samples, GW = groundwater samples, and SS = surface soil samples.

above the VOC sample. Three surface soil samples were collected adjacent to BH17997 (Figure 2-1) where the highest FIDLER survey measurements were recorded.

Groundwater was encountered between 5 and 20 feet below ground surface in the investigation areas (Appendix A). Groundwater samples were collected either through the hollow-stem auger or from the open borehole with a bailer from each investigative area with sufficient groundwater from the western, upgradient, boring (Figure 2-1).

2.3 Analytical Results

Analytical results for VOCs in soil and the RFCA Tier I subsurface soil action levels for VOCs identified during this investigation are summarized in Table 2-3. Analytical results for VOCs in groundwater and the Tier II groundwater action levels for VOCs identified during this investigation are summarized in Table 2-4. Form 1 VOC analytical results are presented in Appendix B.

Analytes detected in the subsurface soil are methylene chloride, PCE, and napthalene. Concentrations of methylene chloride in subsurface soil that exceed ten times the maximum amount detected in quality control laboratory blanks, trip blanks, and rinse blanks and should be considered a positive result (EPA, 1989) (Table 2-3 and Appendix B and E). However, the maximum concentration of methylene chloride of 3,000 µg/Kg does not exceed the RFCA Tier I subsurface soil action level of 5.77 mg/Kg (Table 2-3). One sample from BH18997 had an estimated concentration of TCE of 360 µg/Kg , which is below the RFCA Tier I subsurface soil action level (Table 2-3). Napthalene was observed in one sample from BH17897 with an estimated concentration of 390 µg/Kg, which is well below the RFCA Tier I subsurface soil action level of 1,460 µg/Kg (Table 2-3). Concentrations of PCE were observed in three subsurface soil samples from boring BH17497 with a maximum of 5.7 mg/Kg (Table 2-3). This concentration of PCE is below the RFCA Tier I subsurface soil action level of 11.5 mg/Kg (Table 2-4). No other VOCs were observed in surrounding borings (Table 2-3 and Figure 2-1).

Analytes detected in groundwater include acetone, methylene chloride, 1,1-DCE, 1,1,1-TCA, PCE, TCE, and trichlorotrifluoroethane (Table 2-4). One detectable concentration of acetone was observed which is less than the concentration observed in the laboratory method blank, therefore, acetone is eliminated from the data set (EPA, 1989). Concentrations of methylene chloride in groundwater are less than ten times the maximum amount detected in quality control

laboratory method blanks (16 µg/L), trip blanks, and rinse blanks and will be eliminated from the data summary (EPA, 1989) (Table 2-4 and Appendix B and E). The VOCs TCE and 1,1-DCE were observed in one sample location BH18897, downgradient of IHSS 170, at concentrations of 2.7J µg/L and 5.5 µg/L, respectively. Both concentrations are below the RFCA Tier II groundwater action level. The VOC 1,1,1-TCA was observed in two sample locations, BH17997 and BH18197, at concentrations well below the RFCA Tier II groundwater action level (Table 2-4). Concentrations of PCE were observed in two groundwater sample locations; one from boring BH17497 with 1.7 mg/L and the second from boring BH18197 with 15 µg/L (Table 2-4). These concentrations of PCE are above the RFCA Tier II action level of 5 µg/L (Table 2-4). Trichlorotrifluoroethane (Freon 113) was observed in three sample locations BH17897 and BH17997 at concentrations of 3.5J µg/L and 40 µg/L, respectively and at sample location BH18897 with 4.6J µg/L (Table 2-4). Trichlorotrifluoroethane does not have an action level under RFCA or a Programmatic Preliminary Remediation Guideline (PPRG), and is not considered a highly toxic compound.

TCLP-metals analytical results for RCRA waste characterization are presented in Appendix C and discussed in Section 2.5, below.

Surface soil analytical results for radiological isotopes are presented in Appendix D. Concentrations of radiological isotopes are below the RFCA Tier I surface soil action levels (DOE, 1996).

A summary of data usability on validated data is provided in Appendix E.

2.4 Abandonment of Borehole Locations

After completion of sampling at each location, boreholes were abandoned, except location BH18897 which was utilized by the WARP for construction of monitoring well 01797. Each boring location was identified with the unique location number assigned on a survey marker. Each boring location was surveyed for northing and easting coordinates, and elevation using a Global Positioning Satellite receiver. Survey coordinates are noted on the boring logs in Appendix A.

Table 2-3

Summary of Soil VOC Analytical Results

Borehole No.	Sample Depth	Sample No	PCE	TCE	Methylene Chloride	Napthalene
			11,500[a]	9,270[a]	5,770[a]	5,770,000[a]
17097	5.0-5.5	BH17000RM	ND<625	ND<625	620J	ND<625
	10.0-10.5	BH17001RM	ND<625	ND<625	664	ND<630
17197	5.5-6.0	BH17003RM	ND<625	ND<625	685	ND<630
	10.25-10.5	BH17004RM	ND<625	ND<625	689	ND<630
17297	5.0-5.5	BH17007RM	ND<630	ND<630	1600B	ND<630
	10.5-11.0	BH17008RM	ND<630	ND<630	1400B	ND<630
17397	5.0-5.5	BH17009RM	ND<630	ND<630	1300B	ND<630
	10.5-11.0	BH17010RM	ND<630	ND<630	1500B	ND<630
17497	4.3-4.9	BH17012RM	750	ND<630	ND<630	ND<630
	8.5-9.0	BH17013RM	830	ND<630	ND<630	ND<630
	11.0-11.5	BH17014RM	5700	ND<630	ND<630	ND<630
17597	4.7-5.3	BH17015RM	ND<630	ND<630	ND<630	ND<630
	11.0-11.5	BH17016RM	ND<630	ND<630	ND<630	ND<630
	10.5-11.0	BH17005RM*	ND<630	ND<630	330JB	ND<630
17697	5.5-6.0	BH17018RM	ND<630	ND<630	530JB	ND<630
	9.8-10.3	BH17019RM	ND<630	ND<630	610JB	ND<630
17797	4.4-4.9	BH17020RM	ND<630	ND<630	2100B	ND<630
17897	5.4-5.9	BH17023RM	ND<630	ND<630	ND<630	390J
17997	5.0-5.5	BH17024RM	ND<630	ND<630	ND<630	ND<630
	9.5-10.0	BH17025RM	ND<630	ND<630	ND<630	ND<630
	15.0-15.5	BH17026RM	ND<630	ND<630	ND<630	ND<630
	19.5-20.0	BH17027RM	ND<630	ND<630	ND<630	ND<630
18097	5.0-5.5	BH17028RM	ND<630	ND<630	440JB	ND<630
	4.5-5.0	BH17029RM*	ND<630	ND<630	420JB	ND<630
18197	5.0-5.5	BH17030RM	ND<630	ND<630	2600B	ND<630
18297	5.0-5.5	BH17032RM	ND<630	ND<630	400JB	ND<630
18397	5.0-5.5	BH17033RM	ND<630	ND<630	400JB	ND<630
18497	5.0-5.5	BH17034RM	ND<630	ND<630	410JB	ND<630
18597	5.0-5.5	BH17037RM	ND<630	ND<630	370JB	ND<630
18697	5.0-5.5	BH17038RM	ND<630	ND<630	400JB	ND<630
18797	4.5-5.0	BH17041RM	ND<630	ND<630	9.2JB	ND<630
	10.5-11.0	BH17042RM	ND<630	ND<630	6.6JB	ND<630
	14.0-14.5	BH17040RM	ND<630	ND<630	8.7JB	ND<630
	20.5-21.5	BH17043RM	ND<630	ND<630	9.1JB	ND<630
18897	4.5-5.0	BH17044RM	ND<630	ND<630	9.3JB	ND<630
	11.0-11.5	BH17045RM	ND<630	ND<630	9JB	ND<630
	15.0-15.5	BH17046RM	ND<630	ND<630	5.8JB	ND<630
	20.5-21.5	BH17047RM	ND<630	ND<630	5.6JB	ND<630
18997	5.0-5.5	BH17049RM	ND<630	360J	430JB	ND<630
	9.5-10.0	BH17050RM	ND<630	ND<630	3000B	ND<630

Note: [a] = RFCA Tier I subsurface soil action level (DOE, 1996); * = duplicate sample; sample units are in µ/Kg; J = estimated concentration of analyte detected below method practical quantitation limit; and B = analyte appears in method blank.

Table 2-4

Summary of Groundwater VOC Analytical Results

Borehole No.	Sample Depth	Sample No	1,1-DCE	1,1,1-TCA	PCE	TCE	Trichloro-trifluoroethane
			7[a]	200[a]	5[a]	5[a]	NA[b]
17497	10.3	GW17000RM	ND<250	ND<250	1,700	ND<250	ND<250
17897	7.33	GW17001RM	ND<5	ND<5	ND<5	ND<5	3.5J
17997	7.9	GW17002RM	ND<5	2.1J	ND<5	ND<5	40
	7.9	GW17003RM*	ND<5	ND<5	ND<5	ND<5	36
18097	7.2	GW17006RM	ND<5	ND<5	ND<5	ND<5	ND<5
18197	8.9	GW17007RM	ND<5	6.3	15	ND<5	ND<5
18897	20.51	GW17009RM	5.5	14	ND<5	2.7J	4.6J

Note: * = duplicate sample, all values are reported in µg/L.
[a] = RFCA Tier II Groundwater Action Levels (DOE, 1996)
J = Estimated concentration of analyte detected below method practical quantitation limit.
B = Analyte appears in method blank.
NA[b] = Not available, there is no action level per RFCA or PPRG for this compound.

2.5 Waste Disposition

Soil cuttings generated by hollow-stem auger drilling were monitored, containerized, and managed per plant procedures. Drums were characterized as Investigative Derived Material (IDM) - soil, labeled as hazardous waste, and temporarily stored in RCRA storage unit 18.03 pending receipt of analytical results. Analytical results for TCLP-metals are presented in Appendix C and VOA analytical results are summarized in Section 2.3. On the basis of the VOC analyses none of the IDM-soil exhibits VOC levels equal to or above the RFCA Tier I subsurface soil action levels. In addition, none of the VOC results could exceed a VOC toxicity characteristic as defined in 6 CCR 1007-3, Part 261.24. Therefore, the soil is not hazardous for VOCs per 6 CCR 1007-3, Part 261.24. On the basis of the TCLP-metals analytical results none of the IDM soil exhibits hazardous metal concentrations per 6 CCR 1007-3, Part 261.24. Therefore, IDM-soil generated during this investigation will be placed back onto the surface of IHSSs 170, 174A, and 174B.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Detectable concentrations of PCE in soil and groundwater from location BH17497 are most likely a result of previous drum storage and handling operations in IHSS 174A. The proximity of adjacent soil borings (Figure 2-1) to BH17497 with no detectable PCE indicates a small area of residual diffuse soil contamination that is less than the RFCA Tier I subsurface soil action level

for PCE. However, the residual PCE soil contamination appears to be contributing to groundwater contamination greater than the RFCA Tier I groundwater action level. Concentrations of methylene chloride observed in soil appear to be a laboratory artifact even though the EPA guidance for comparison of concentrations detected in blanks with concentrations detected in samples indicates the results are positive. The concentrations of methylene chloride observed are below the RFCA Tier I subsurface soil action level and methylene chloride was not observed in the previous soil gas survey. The concentrations of TCE and napthalene are well below their respective RFCA Tier I subsurface soil action levels. No other VOCs were observed in subsurface soil.

Detectable concentrations of 1,1,1-TCA and PCE were observed in groundwater from boring BH18197. The concentration of PCE is greater than the Tier II groundwater action level and is probably a result of previous storage and handling operations in the southeast corner of IHSS 170. Residual subsurface soil contamination is probably located to the west towards BH18097, where no VOCs were observed in soil or groundwater. BH18097 is located approximately 120 feet to the west of BH18197 (Figure 2-1).

Trichlorotrifluoroethane (Freon 113) was observed in two groundwater sample locations, BH17897 and BH17997. The source of the trichlorotrifluoroethane is probably residual subsurface soil contamination adjacent to and west of BH17997 in IHSS 174B, where the dumpster containing stainless steel metal chips and lathe turnings coated with freon-based coolants was located (Figure 2-1). A medium method detection level was used for subsurface soil which may have prevented detections of trichlorotrifluoroethane in subsurface soil. Location BH18897 also had estimated concentrations of TCE and trichlorotrifluoroethane and concentrations of 1,1-DCE and 1,1,1-TCA. The VOCs 1,1-DCE and TCE are breakdown products of PCE and IHSS 170 could have been the source of the contaminants. However, BH18897 is located downgradient of IHSS 170 and there could be other residual subsurface sources in the existing PU&D yard, which has been used for a materials storage area since 1972.

On the basis of the analytical results from this pre-remedial investigation, a VOC contaminant source equal to or above the RFCA Tier I subsurface soil action levels was not identified and the area of IHSSs 170, 174A, and 174B will not require remediation. However, residual diffuse VOC contamination less than the Tier I subsurface soil action levels is present in IHSS 174A and IHSS 170 which impacts groundwater in the investigative area. On the basis of the previous

radiological evaluations and the limited radiological analyses performed as part of this investigation there appears to be no surficial radiological contamination equal to or greater than the RFCA Tier I surface soil action levels for radionuclides requiring remediation. However, the area should be revegetated as a maintenance action to improve the proposed future use as open space due to the surficial debris and undesirable noxious weeds present at the site. According to RFETS ecologists, a recommended revegetation plan would consist of scarifying the upper 8-inches of topsoil, placing 3-inches of imported weed-free topsoil over the area, and then reseeding using an RFETS approved seed mixture, a no-till drill, and hydromulch.

4.0 REFERENCES

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT

FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH17097
Location - North: 751819 East: 2082088
Date: 8-18-97
Geologist: M. Wood
Drilling Equip.: CME 75, 4¼ ID/8 OD

Surface Elevation: 6004
Area: IHSS 170
Total Depth: 15.3 FL
Company: RMRS
Project No.: CB0320FN
Sample Type: Split Spoon, 2"

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
										0.0-1.8
		1.8/2.0					GC	1		Clayey Gravel (GC) grayish brown (5YR 3/2) f-c gravel, f-c sand, mod plastic clay matrix, some silt very dense, moist
										No Recov 1.8-2.0
								2		2.0-3.8
		1.8/2.0					GC		28 43	Same as above 0.0-1.8
								3		
										No recov. 3.8-4.0
		0/1.0						4	1010	no recovery 4.0-5.0, hand drilling
								5		
			BH17000RM				GC			sad screen = bottle 002 BH17000RM, bottle 001, for VOC event 001
		.5/2.0							10:20	5.0-5.5
								6	5.7 13 23 23 23	very dense, same as above 0.0-1.8
										No Recov. 5.5-7.0
								7	1028	7.0-9.0 same as above 0.0-1.8
		2.0/2.0					GC		5 7 12 19	becomes mod yellowish brown 10YR 5/4, increase clay and silt @ 45%
								8		
							GC	9	1035	9.0-11.0 same as above
		2.0/2.0							20 28 18 23	becomes moist

NOTES: General: USCS is modified for this log as follows:
Materials amounts are estimated by % volume instead of % weight.
(1) Badly broken core, accurate footage measurements not possible.
(2) Core breaks cannot be matched, accurate footage measurements not possible.

U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH17097
Location - North: 751819 East: 2082088
Date: 8/18/97
Geologist: M. Wood
Drilling Equip.: CME 75

Surface Elevation: 6004
Area: IHSS 170
Total Depth: 15.3 ft
Company: RMRS
Project No. CB032
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL _____ DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
			BH17097				GC			10.0-10.5 sample BH17009RM bottle 3 event 2 rad screen = bottle 004
		2.9/2.0						11	1045	11.0 - 12.85 mw 8/18/97 same as above 0.0-1.8 moist-damp, very dense 28 32 38 40
								12		
		2.9/2.0					GC	13		12.85-14.5 mw 8/18/97 same as above 0.0-1.8 22 40 40 17
								14		14.5-15.3 clayey gravel c-gravel f-c sand med lt gray (N6) clay matrix
								15		TD = 15.3 ft
										BH17009RM, bottle 005, event 3 mw 8/20/97 1115 0-15 Drums E06284RM E06285RM

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ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH17197
Location - North: 751802 East: 2082052
Date: 8-18-97
Geologist: M. Ward
Drilling Equip.: CME-75

Surface Elevation: 6005
Area: FITSS 170
Total Depth: 15.0
Company: RMRS Project No. CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.3/2.0					GC	1	1315 22 17 18 21	0.0-1.3 Clayey Gravel, GC, grayish brown (5YR 3/2), f-c gravel, f-c sand silty clay matrix, very dense dry, slightly moist, unbrmdd gravel
										No Recov 1.3-2.0
		2.0/2.0					GC	2 3	1320 17 22 18 21	2.0-4.0 same as above 0.0-1.3, moist becomes grayish orange (10YR 7/4)
		0.0/1.0	BH17003RM					4 5	1330 16 22 21 36	4.0-5.0 No Recov, hand drilling 5.0-7.0 same as above 0.0-1.3 ~~2.0-4.0~~ mw 3/18/97 BH17003RM 5.5-6.0
		2.0/2.0						6		
		2.0/2.0					GC	7 8	1345 5 9 18 16	cont same as 0.0-1.3 ~~SAA 2.0-4.0~~ mw 8/18/97 7.0-7.5 becomes mod yellowish brown (10YR 5/4) to dark yellowish orange (10YR 6/6) 7.5-9.0 dark yellowish orange to pale yellowish brown (10YR 6/2) mod plastic clay matrix
		2.0/2.0					GC	9 10	1352 5 12 21 26	9.0-11.0 cont same as 0.0-1.3

NOTES: General: USCS is modified for this log as follows:
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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT

FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH17197
Location - North: 751802 East: 2082052
Date: 8-18-97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6005
Area: FHSS 170
Total Depth: 15
Company: RMRS
Project No.: CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
			BH17004RM				GC	10		10.25 10.5 BH 17004RM VOA 10.0-10.25 Rad Screen
		0.0/2.0						11		11.0-13.0 Hand drilling No Recov becomes dark gray (N3)
								12		
		1.5/2.0					GC	13		13.0-14.5 saturated at 13.0 ft becomes mod yellowish brown (10YR 5/4) 33 39 31 35 continued clayey gravel, f-c gravel subangular, f-c sand, very dense
								14		No Recov 14.5-15.0 14:20 water level at 10.8 BGS BH17003RM TCLP-metals 0-15.0 TD = 15.0 ft drum E06286 and E06287 15:35 water level at 4.85 BGS
								15		

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ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH 17297
Location - North: 751789 East: 2082027
Date: 8-19-97
Geologist: M. Wood
Drilling Equip.: CME 75

Surface Elevation: 6006
Area: FHSS 170
Total Depth: 11.8 ft
Company: RMRS Project No.: CB0320JN
Sample Type: SS

EG&G LOGGING SUPERVISOR
APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		0.5/2.0					GC	1	10 / 17 / 4 / 5 / 8	0.0-0.5 Clayey Gravel, GC, dusky brown (5YR 2/2), f-c gravel, f-c sand, clay matrix, sl plastic, dense dry
										No Recovery 0.5-2.0
		1.5/2.0					GC	2	1117 / 21 / 17 / 22 / 36	2.0-3.5 becomes mod yellowish brown (10YR 5/4), very dense dry-moist
								3		No Recov 3.5-4.0
		1.5/2.0	BH17007RM				GC	4	1125 / 19 / 22 / 24 / 32	4.0-5.5 same as above, 2.0-3.5 9mw 8/19/97
								5	1125	5.0-5.5 BH17007RM VOA + Rad screen 4.5-5.0
										No Recov 5.5-6.0
		1.6/2.0					GC	6	1135 / 7 / 13 / 11 / 24	6.0-7.6 Same as above 2.0-3.5 becomes pale olive (10Y 6/2)
								7		
										No Recov 7.6-8.0
		1.6/2.0					GC	8	1143 / 17 / 30 / 41 / 37	8.0-9.6 same as 2.0-3.5 becomes pale red (5R 6/2) w/ pale olive (10Y 6/2)
								9		
								10		No Recov 9.6-10.0

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT

FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 2 OF 2

Borehole Number: BH 17297
Location - North: 751789 East: 2082027
Date: 8/19/97
Geologist: M. Wood
Drilling Equip.: CME 75

Surface Elevation: 6006
Area: IHSS 170
Total Depth: 11.8 FT
Company: RMRS
Project No.: CB0320DN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.8 / 2.8	BH17008RM				OL	10	1150	17 23 25 50/6 Sm 10.0-11.8 10.5-11.00 BH17008RM VOA cond 10.0-10.5 screen moist-wet become = mod yellowish brown (10YR 5/4)
								11		~~Hole cave 11.8-12.0 MRW~~ 8/19/97
								12		12:10 water level at 10.32 ft check TD at 11.8 ft BP17000RM for TCLP metals drums E06288 at 12:50 E06289

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 1 OF 2

Borehole Number: BH17397
Location - North: 751778 East: 2082036
Date: 8-19-97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6006
Area: IHSS 174A
Total Depth: 12.0
Company: RMRS
Project No.: CB0520IW
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL _____ DATE 4/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.3/2.0					GM/SM		15 5	0.0-0.8 s. Hy sandy ~~gravel~~, GM/SM black (N1) f-c sand, some gravel, dry, dense
								1	9	0.8-1.0 clayey gravel (GC) dry-moist, dense f-c gravel f-c sand
							GC			clayey gravel (GC), 1.0-1.3 dark reddish brown (10YR 3/4) moist, dense f-c gravel f-c sand si plastic clay matrix
		1.7/2.0					GC	2	13 25	1.3-2.0 No Recovery
								3		2.0-3.7 clayey gravel, GC, mod reddish brown (10R 4/6), moist f-c gravel, f-c sand clay matrix, si plastic
										3.7-4.0 No Recov.
		1.8/2.0	BH17009RM				GC	4	15 40	4.0-5.8 same as 2.0-3.7 becomes mod yellowish brown (10YR 5/4) mottled w/ reddish brown very dense
								5		5.0-5.5 BH17009RM VOA 4.5-5.0 rad screen
										5.8-6.0 No Recov.
		1.4/2.0					GC	6	15 55	6.0-7.1 cont mottled same as 2.0-3.7
								7		No Recov 7.1-8.0
		1.8/2.0					GC	8	16 10	8.0-9.8 cont same as above 2.0-3.7 becomes moist to wet very dense poss water at 9.5 ft
								9		
								10		No Recov 9.8-10.0

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH17397
Location - North: 751778 East: 2082036
Date: 8-19-97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6006
Area: IHSS 174A
Total Depth: 12.0
Company: RMRS Project No: B03ZD1
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.8/2.0	BH17010RM				GC	10	1620	10.0 – 11.8 same as 2.0-3.7
									16 27 35 27	BH17010RM VOA 10.5-11.0 and screen 10.0-10.5
								11		
										11.8-12.0 No Recov
								12	1630	check TD at 12.0 = TD water on tip of water level probe
									1635	BP17001RM
										~~E06290~~ mw 8/20/97
										E06291

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 1 OF 2

Borehole Number: BH 17497
Location - North: 751766 East: 2082017
Date: 8/20/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6007
Area: FHSS 174A
Total Depth: 14.0
Company: RMRS Project No.: CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.0/2.0					GC, GM	1014	9, 16, 18, 9	0-1.0 silty clayey gravel, GC/GM mod yellowish brown (10YR5/4) to dark yellowish brown (10YR4/2) f-c gravel, f-c sand, mdm dense 0.8-1.0 clay matrix, sl plastic dry sl moist
								1		No Recov 1.0-2.0
		1.2/2.0					GC	2	14, 10, 16, 19	2.0-2.8 same as 0-1.0 2.8-3.2 clayey gravel, GC dusky green (5G3/2) f-c gravel, f-c sand clay matrix, plastic, to organic mdm dense
								3		No Recov 3.2-4.0
		0.9/1.4	BH17012RM				GC	4	1030, 12, 20, 40 fn sm	4.0-4.9 same as 2.8-3.2 very dense 4.3-4.9 BH17012RM VOA + Rad screen 4.0-4.3
								5		No Recov 4.9-~~5.4~~ 6.5 MM 8-20-97
								6		Pit hits 5.4-6.5 drill past rock to 6.5
		1.1/2.0					GC	7	18, 18, 12, 14	6.5-7.6 same as 2.8-3.2 becomes pale olive (10Y6/2) moist
								8		No Recov 7.6-8.5
		0.4/2.0	BH17013RM				GC	9	1105	8.5-9.0 same as 6.5-7.6 No Recov 9.0-10.5 will try + sample from 10.0-12.0 8.5-9.0 BH17013RM - VOA
								10		

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH17497
Location - North: 751766 East: 2082017
Date: 8/20/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6007
Area: IHSS 174A
Total Depth: 14.0
Company: RMRS
Project No: CB0320 IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		2.0/2.0	BH17014RM				GC	10	1133	10.0-12.0 same as 6.5-7.6 dense, moist, becomes dusky yellow (5Y6/4)
								11		14 15 16 15 BH17014RM 11.0-11.5 VOA radscreen 10.5-11.0
		2.0/2.0					SM	12	1145	12.0-~~14.0~~ 13.2 Sandy silt, SM, dusky yellow (5Y6/4) 8/20/97 saturated 4 6 23 44 clayey-silt, plastic, stiff
							SW	13		13.2-14.0 Gravelly sand, SW, mottled dark yellowish orange (10YR6/6) to dusky yellow (5Y6/4) f-c sand, f-c gravel, sl clay/silt matrix
								14		drum E06290 BP17005RM 12:05
										1200 water at 13.2 ft
										TD check 13.75, TD = 14.0 ft
										1320 water at 10.3 ft
										1330 water sample GW17000RM

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT

FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 1 OF 2

Borehole Number: BH17597
Location - North: 751758 East: 2082044
Date: 8/20/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6006
Area: FASS 774A
Total Depth: 12.0
Company: RMES
Project No. CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		0.5/2.0					GC	1355	5 6 8 6	0.0-0.5 Clayey Gravel GC, grayish brown (5YR 3/2) f-c gravel, f-c sand, clay matrix moist
								1		No Recov 0.5-2.0
		1.2/2.0					GC	2	1402 7 23 29 26	2.0-3.2 same as 0.0-0.5, mottled becomes dusky yellow green (5GY 5/2) at 2.8 ft
								3		No Recov 3.2-4.0
		1.3/2.0	BH17015RM				GC	4	1415 18 26 21 22	4.0-5.3 same as 2.0-3.2
								5		4.7-5.3 BH17015RM VOA 4.2-4.7 rod screen No Recov 5.3-6.0
		1.75/2.0						6	1505 Resume drilling mw 8/20/97 15 14 10 9	6.0-~~8.0~~ 7.05 same as 2.0-3.2 mod yellowish brown moist
							SM/ML	7		7.05-7.75 silty sand/sandy silt, SM/ML dusky yellow (5Y 6/4) f-m sand, clayey silt, plastic, firm to very stiff
		1.5/1.5						8		No Recov 7.75-8.0
							SM/ML	9	1524 5 10 50 fin lime GW	8.0-9.3 same as 7.05-7.75 9.3-9.5 Quartzite cobble, saturated - water in hole/on barrel will drill to 10.0 then sample
								10		No Recov 9.5-10.0

NOTES: General: USCS is modified for this log as follows:
Materials amounts are estimated by % volume instead of % weight.
(1) Badly broken core, accurate footage measurements not possible.
(2) Core breaks cannot be matched, accurate footage measurements not possible.

U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH17597
Location - North: 751758 East: 2082044
Date: 8/20/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6006
Area: IHSS 174A
Total Depth: 12.0
Company: RMRS
Project No: CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		2.0/2.0	BH17016RM				GW	10	1535 34 36 44 55	10.0 – 12.0 ~~sand~~ Gy/Hy sandy ~~clayey~~ gravel (GW) MW 8/20/97 gray, sh coarse (10Y 6/1) f-c gravel f-c sand, dense BH17016RM via 10.0-11.5 wet-moist rod screen 10.0-10.5 dup 10.5-11.0
								11		
								12		TD=12.0 ft water at 9.0-9.5 15:52 check for water - no water observed in hole BP17006RM 0-12.0 1555 drum E06292

NOTES: General: USCS is modified for this log as follows:
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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT

FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH17697
Location - North: 751757 East: 2082033
Date: 8-21-97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6006
Area: IHSS 174A
Total Depth: 13.0
Company: RMRS
Project No.: CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		0.9/2.0					GM	0928	4 8 5 5	0.0 – 0.9 silty Gravel (GM) pale brown (5YR 5/2) f-c gravel some f-c sand, silt matrix, organics dry - sl moist
								1		No Recov 0.9-2.0
		1.2/2.0					GC	2 1025	10 18 38 34	2.0 – 3.2 clayey Gravel (GC) mod reddish brown (10R4/6) f-c gravel, f-c sand, sl plastic clay matrix ~30% sl plastic sl moist dense,
								3		No Recov 3.2-4.0
								4		No Recov 4.0-5.0 – 8/21/97
		1.0/2.0	BH17018RM				GC	5 0925	12 32 24 14	5.0 – 6.0 same as 2.0 - 3.2 5.0-5.5 BH17018RM rad 5.5-6.0 BH17018RM VOA
								6		No Recov 6.0 – 7.0
		1.3/2.0					GC	7	3 8 16 28	7.0 – 8.3 same as 2.0-3.2 becomes mod yellowish brown (10YR 5/4), dense, moist
								8 0943		No Recov 8.3-9.0
		1.3/2.0	BH17019RM				GC	9 0950	16 32 22 22	9.0 – 10.3 same as 2.0-3.2 9.3-9.8 rad screen 9.8-10.3 BH17019RM VOA
								10		

NOTES: General: USCS is modified for this log as follows:
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ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH17697
Location - North: 751757 East: 2082033
Date: 8-21-97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6006
Area: IHSS
Total Depth: 13.0
Company: RMRS
Project No.: CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
								10		No Recov 10.3 - 11.0
		15/2.0						11	1005	11.0 - 12.5 cont clayey gravel GC to sandy gravel GW saturated - water at 11 ft
							GC/GW			17 36 19 23
								12		No Recov 12.5-13.0 10:20 water level at 10.5 ft
									1015	- TD at 13.0
								13		No Recov 12.5 - 13.0
										E06293 Mohnm 1025 BP17006RM 0-13.0
										12:50 water level at 6.6 ft

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 1 OF 1

Borehole Number: BH17797
Location - North: 751707 East: 2081957
Date: 8/21/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6009
Area: FHSS 120
Total Depth: 8.0 ft
Company: RMRS Project No.: CABU320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.3/2.0					GC	1	1055	0.0 – 1.3 silty clayey gravel (GC), grayish brown (5YR 3/2), f-c gravel, f-c sand, silt/clay matrix, dry - sl moist sl plastic matrix dense to mdm dense (20, 14, 7, 5)
										No Recov 1.3-2.0
		1.6/2.0					GC	2, 3		2.0 – 3.6 clayey gravel, GC, mod reddish brown (10YR 4/4) f-c gravel, f-c sand, clay matrix, plastic, moist dense (6, 18, 18, 19)
										No Recov 3.6-4.0
		1.4/2.0	BH17020RM				GC	4, 5	1118	4.0 – 5.4 cont same as 2.0-3.6 (18, 44, 32, 50) 1118 BH17020RM 4.4-4.9 VOA 4.0-4.4 rad screen
										No Recov 5.4-6.0
		1.8/2.0					GC	6, 7	1129	6.0 – 7.8 cont same as 2.0-3.6 (24, 45, 25, 29) becomes darkyellowish orange (10YR 6/6) w/caliche encounter water, saturated-wet 7.8 MW 8/21/97
										No Recov. 7.8-8.0
								8, 9		12:50 water level at 6.6 ft TD at 8.0 ft 1308 BP17008RM 0-8.0 drum E06294

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH17897
Location - North: 751662 East: 2081908
Date: 8/22/97
Geologist: ~~CME 75~~ mwood 8/22/97
Drilling Equip.: CME-75

Surface Elevation: 6011
Area: IHSS 170
Total Depth: 11.4
Company: RMRS Project No.: P80320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		0.9/2.0					GM	1	1053 8 13 10 7	0.0-0.9 silty gravel (GM), pale yellowish brown (10YR6/2) f-c gravel, f-c sand, silt, organics, dry-moist
										No Recov 0.9-2.0
		1.1/2.0					GM	2	1105 6 12 18 21	2.0-3.1 cont/same as 0.0-0.9
								3		2.8 becomes moderate brown (5YR4/4)
										No Recov 3.1-4.0
		2.0/2.0	BH17023RM				GC	4	1113 13 18 8 8	5.4 MRW ~~[illegible]~~ clayey gravel (GC), 4.0-~~[illegible]~~ 8/22/97 pale olive (10Y6/2) f-c gravel, dense, f-c sand, clay matrix, sl plastic, moist
								5	1113	5.4-5.9 BH17023RM voa
							ML/SM			5.4-6.0 sandy silt (ML)/silty sand (SM) f-m sand, silt, some clay plastic, moist, stiff
								6	1118 5	6.0-6.7 same as 5.4-6.0
		2.0/2.0					GC	7	23 37 46	6.7-8.0 same as 4.0-5.4 becomes mod yellowish brown (10YR5/4)
		1.0/2.0					GC/GW	8	30 38 40 32	8.0-9.0 same as 4.0-5.4 less clay more silt and sand GC/GW
								9		No Recov 9.0-10.0
								10		-1140 water on auger bit

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT

FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 2 OF 2

Borehole Number: BH 17897
Location - North: 751662 East: 2081908
Date: 8/22/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6011
Area: IHSS 170
Total Depth: 11.4
Company: RMLS
Project No.: CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/23/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.4/10.0					GW	10	1143 20 27 50 for 5in	10.0 – 11.4 Gravelly Sand, GW, dark yellowish brown (10YR 4/2) f-c sand, very dense, saturated f-c gravel, some silt, clay TD = 11.4 ft
								11		sampler is saturated, decide not to take VOA sample for soil
										10:43 water level at 8.1
								12		E06295
									1212	BP17009RM
										1155 GW17001RM
										water at 7.33' at 11:55
										12:19 water at 6.75'

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 1 OF 7 mw 3 8/22/97

Borehole Number: BH17997
Location - North: 751544 East: 2081777
Date: 8/22/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6014
Area: IHSS 174B
Total Depth: 22.0
Company: RMRS Project No.: CB0320JN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.3/2.0					GC	1414	C/C	0.0–1.3 clayey gravel w/some s.lt dark reddish brown (10R 3/4) to grayish brown (5YR 3/2) f-c gravel f-c sand, dry-moist, dense clay matrix, sl plastic trace metal shavings 0.0–0.2 No Recov 1.3–2.0
		1.9/2.0				mw & 8/22/97	GC	2	1424	2.0–3.9 cont same as 0.0–1.3
								3		No Recov. 3.9–4.0
		2.0/2.0	BH17024RM				GC	4	1432	4.0–6.0 same as 0.0–1.3 clayey gravel, becomes moist very dense, BH17024RM VOA 5.0–5.5
								5		
								6		6.0–7.0 hand drilling, gravel/cobbles No Recovery
								7		7.0–~~8.0~~ 8.0 mw 8/22/97 No Recovery due to lost pin on hexagonal bit ~~Rec 7.0~~ mw 8/22/97 8.0–8.5 slough in sided augers
								8	1505	
		1.8/2.0	BH17025RM				GC	9		8.5–10.3 ~~same~~ as 0.0–1.3 clayey gravel 9.5–10.0 BH17025RM mw 8/25/97
								10		

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT

FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 2 OF 3 mw 8/22/97

Borehole Number: BH17997
Location - North: 751544 East: 2081777
Date: 8/22/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6014
Area: 1455 174B
Total Depth: 22.0
Company: RMRS
Project No.: CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR
APPROVAL
DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.7/1.7					GC		0	3 mw 8/22/97
		2.0 mw 8/22/97					SC			10.3 - 12.0 clayey sand w/ gravel (SC), mod yellowish brown (10YR 5/4) to dark yellowish orange (10YR 6/6) f-c sand, some f-c gravel, silt/clay matrix sl plastic, moist
								11		6 32 16 20
								12	1550	1525 check for water - no water
		2.0/2.0					GC			12.0 - 13.0 clayey gravel same as 0.0 - 1.3 mw 8/22/97
								13		13 22
								13		14 25 13.0 - 14.0 same as 10.3 - 12.0 clayey sand
							SC			10 15
		2.0/2.0	BH17026RM				SW	14	1600	20 25 14.0 - 16.0 Gravelly sand, SW light brown (5YR 5/6) f-c sand, f-c gravel, some silt + clay matrix moist, dense
								15	1600	15.0 - 15.5 BH17026RM VOA
		2.0/2.0						16		16.0 - 18.0 cont same as 14.0 - 16.0 trace cobbles
										26 48 26 28
								17		becomes moist to wet at 17.0
		2.0/2.0	BH17027RM				SC	18	1600	mw 8/22/97 18.0 - 20.0 gravelly clayey sand (SC) mottled grayish orange (10YR 7/4) to light brown (5YR 5/6) f-c sand, f-c gravel silty clay matrix, sl plastic
										19 29 50/6 53/6
								19		19.5 - 20.0 BH17027RM VOA
								20		

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT

FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH17997
Location - North: 751544 East: 2081777
Date: 8/22/97
Geologist: M. Ward
Drilling Equip.: CME-75

Surface Elevation: 6014
Area: FHSS 174B
Total Depth: 22.0
Company: RMRS Project No. CB
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.7/2.0					CL	20		20.0 - 21.7 7 Sandy clay with gravel CL 24 pale olive (10Y 6/2) f-c sand 20 plastic, hard, moist 23 some f-c gravel
								21		No Recov 21.7 - 22.0
								22		TD = 22.0
										8/25/97 10:25 E06296RM & BP17010RM E06297RM 0-22.0 10:47 water level at 7.9 ft
								23		
								24		GW17002RM 10:50 GW17003RM Dup 10:52 GW17005RM RB 1100

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 1 OF 1

Borehole Number: BH18097
Location - North: 751587 East: 2081996
Date: 8/25/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6010
Area: IHSS 170
Total Depth: 10.0
Company: RMRS
Project No.: CB03202N
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL _____ DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.5/2.0					GM	1141		0.0-1.5 silty Gravel (GM) dark yellowish brown (10YR 4/2) dry-moist, f-c gravel, f-c sand clayey silt matrix, mdm dense trace cuttings at surface at 0.8 becomes dark reddish brown (10YR 3/4)
								1	16 7 9 10	
										No Recov 1.5-2.0
		1.7/2.0					GC	2	1200	2.0-3.7 Clayey Gravel (GC) 8/25/97 dark reddish brown (10YR 3/4) f-c gravel, f-c sand, moist clay matrix, slplastic
									12 22 21 20	
								3		at 3.2 becomes light-pale olive (10Y 6/2)
										No Recov. 3.7-4.0
		1.5/2.0	BH17028RM BH17029RM				GC	4	1107	4.0-5.5 same as 2.0-3.7 dense, pale olive (10Y 6/2)
									24 29 38	
								5	24	BH17028RM voa - 5.0-5.5 BH17029RM 4.5-5.0 dup
										No Recov 5.5-6.0
		1.7/2.0					GC	6	1115	6.0-7.7 same as 2.0-3.7 orange brown limonite (FeO) stn
									25 25 35	
								7		50 for 5in
										No Recov 7.7-8.0
		1.7/2.0					GW/SW	8	1128	8.0-9.7 Sandy Gravel/gravelly sand orange brown f-c gravel, f-c sand, saturated dense w/ some silt and clay matrix water in sampler
									49 71	
								9	47 50 for 5in	
									1342	water level at 7.2 ft: collect GW17006RM
										No Recov 9.7-10.0 GW
								10		TD = 10.0 ft

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E06298RM
BP17011RM
012RM dup
013RM RB

U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 1 OF ___

Borehole Number: BH18197
Location - North: 751591 East: 2082087
Date: 8/25/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6008
Area: IHSS 120
Total Depth: 10.0
Company: RMRS
Project No. CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.6/2.0					GM	1455		0.0-1.6 silty gravel (GM) w/clay dark yellowish brown (10YR4/2) to dark reddish brown (10R3/4) f-c gravel, f-c sand, dry-moist, mdm dense, dry matrix sl plastic
		1.1/1.5					GM	1507		No Recov 1.6-2.0 2.0-3.1 same as 0.0-1.6
		2.0/2.0	BH17030RM				SC	1507		No Recov 3.1-3.5 hand drilling 3.5-4.0 No Recov 4.0-6.0 clayey sand, SC, w/gravel 5.0-5.5 BH17030RM voa red yellowish brown (10YR5/4) f-c sand, some gravel, f-c, sl plastic clay in matrix moist to wet, dense
		1.6/2.0					SC	1516		6.0-7.6 same as 4.0-6.0 w/more gravel
							SP			7.2-7.4 Sand (SP) orange brown f-m sand, wet-moist,
		1.6/2.0					SW			No Recov 7.6-8.0 8.0-9.6 gravelly sand (SW) orange brown, f-c sand f-c gravel, trace silt, clay wet-saturated 1540 mw 8/25/97 water level - 9.5 1558 water level at 8.9 GW17007RM sampler saturated, TD = 10.0
								10		No Recovery 9.6-10.0

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drum E06304RM
BP17014RM

U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 1 OF 1

Borehole Number: BH18297
Location - North: 751568 East: 2082133
Date: 8/22/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6006
Area: IHSS 170
Total Depth: 10.0
Company: RMRS
Project No. CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL _____ DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		0.6/2.0					GM	1	1005 5 8 9 9	0.0–0.6 Silty Gravel, GM, grayish brown (5YR 3/2) f-c gravel, f-c sand, silty-clay matrix, dry-sl moist, mdm dense
										No Recov. 0.6–2.0
		0.3/2.0					GM	2	1010 14 14 14 34	2.0–2.3 same as 0.0-0.6 encountered granite cobble very poor recovery
								3		No Recov 2.3–4.0
		2.0/2.0	BH17032RM				GC	4	1017 15 15 36 34	4.0–6.0 clayey gravel, GC, pale olive (10YR 6/2), f-c gravel, f-c sand, silty clay matrix, plastic moist, very dense BH17032RM 5.0–5.5
		2.0/2.0					SW	6	1023 27 30 37 37	6.0–8.0 Gravelly sand (SW) mod yellowish brown (10YR 5/4) f-c sand, f-c gravel, wet-sat saturated at 6.3 very dense
		1.5/2.0						8	1040 69 41 25 35	8.0–9.5 same as 6.0–8.0 1045 water level at 7.09 1100 water level at 6.46
								9		
								10		TD = 10.0 No Recovery 9.5–10.0

1050 BP17015RM 0–10.0'

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form E06283

(40)1-930-0134-930)(Form GT.1A)(01/01/92)

U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 1 OF 1

Borehole Number: BH18397
Location - North: 751605 East: 2082125
Date: 8/28/97
Geologist: M Wood
Drilling Equip.: CME-75

Surface Elevation: 6007
Area: IHSS120
Total Depth: 8.8
Company: RMRS
Project No. C150320JM
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL _____ DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.5/2.0					GM	1	1030	1.0 mw 8/27/97 0.0 – 0.5 silty gravel GM grayish brown (5YR 3/2) f-c sand 10 12 f-c sand, c.lt. clay matrix, dry-moist 15 mod dense 0.5 – 1.5 clayey gravel GC, dark reddish brown (10R 3/4) 13 mw 8/27/97 f-c gravel, f-c sand, clay matrix slightly plastic mod dense, moist
		1.65/2.0					GC	2		No Recov 1.5-2.0 2.0 – 3.65 2.4 same as 1.0-1.5
							CL	3	8 5 8 21	2.4-3.2 sandy clay (CL) f-sand, some c.lt, plastic, moist
		2.0/2.0	BH17033RM				GC	4	1152	3.2-3.65 clayey gravel, GC same as 1.0-1.5 pale olive (10Y 6/2) No Recov 3.65-4.0 4.0 – 6.0 same as 3.2-3.65, GC 16 26 24
								5	40	BH17033RM 5.0-5.5 VOA
		1.5/1.5	mw 8/27/97				SW	6	1200	33 55 50 for 5 in 6.0 – 7.5 clayey gravelly sand (SW) yellow-orange (5Y 7/2) f-c sand f-c gravel saturated at 6.1-6.2 very dense
								7		
		0.2/0.8						8	1207	2 mw 8/27/97 8.0 – 8.8 same as 6.0-7.5 - gravel zone, very hard, very poor recovery 37 50 for 4 in
								9		No Recov 8.2-8.8, TD = 8.8 13:40 water level at 7.43 13:48 water level at 6.6
								10		mw 8/27/97

NOTES: General: USCS is modified for this log as follows:
Materials amounts are estimated by % volume instead of % weight.
(1) Badly broken core, accurate footage measurements not possible.
(2) Core breaks cannot be matched, accurate footage measurements not possible.

drum E06300
1220 BP17016RM 0-8

(4011-930-0134-930)(Form GT.1A)(03/01/92)

U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 1 OF 1

Borehole Number: BH18497
Location - North: 751620 East: 2082174
Date: 8/27/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6006
Area: IHSS 170
Total Depth: 9.0
Company: RMRS
Project No.: CB0320FN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL _____ DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		0.9/2.0					GM		1406	0.0 – 0.8 silty Gravel, GM, grayish brown (5YR 3/2) f-c gravel, f-c sand, silt, dry-sl moist, med-dense
								1	1414	0.8 – 0.8 clayey gravel, GC, dark reddish brown (10R 3/4) f-c gravel, f-c sand, sl plastic-plastic clay matrix, moist med dense
										No Recov 0.9-2.0
		1.8/2.0					GC	2	1415	2.0 – 3.8 Same as 0.8-0.9 becomes med yellowish brown (10YR 5/4) at 2.25
		2.0/2.0	BH17034RM				GC	4	1422	4.0 – 6.0 same as 2.0-3.8
										BH17034RM voa 5.0-5.5
		—						6		No Recovery 6.0-7.0 drilling into water
		1.8/2.0					SW	7	1435	7.0 – 8.8 Gravelly sand (SW) dark yellowish orange (10YR 6/6) f-c sand, f-c gravel, trace silt + clay, saturated, very dense
								8		No Recov 8.8-9.0
										TD=9.0 ft
								9	1452	water level at 5.97
								10		

NOTES: General: USCS is modified for this log as follows:
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(2) Core breaks cannot be matched, accurate footage measurements not possible.

E06303 RM
1501 BP17017RM 0-9.0

U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT — FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH18597
Location - North: 751642 East: 2082120
Date: 8-28-97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6006
Area: HBS 170
Total Depth: 9.0
Company: RMRS
Project No. CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL _____ DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.0/1.0					GC	1	1152	0.0 – 1.0 silty clayey gravel (GC) dark yellowish brown (10YR5/2) becomes dark reddish brown (10R3/4) at 0.5, f-c gravel f-c sand, silty clay matrix, sl plastic dry-moist mod dense. 13 18 15
		2.0/2.0					GC	2	1158	No Recov 1.0-2.0
								3		2.0 – 4.0 same as 0.0-1.0 becomes dense becomes yellowish gray (5Y3/2) at 3.8. 19 30 23 24
		2.0/2.0	BH17037RM				GC	4	1205	4.0 – 6.0 same as 0.0-1.0 becomes mod yellowish brown (10YR5/4) + very dense. 33 27 40 30
								5		BH17037RM @ 5.0-5.5
		1.6/2.0					SW	6	1212	6.0 – 7.6 gravelly sand (SW) w/some clay mod yellowish brown (10YR5/4), f-c sand, f-c gravel some silt and clay matrix wet to saturated, very dense water on sample barrel water at @ 6.2 ft -6.4. 12 20 40 29
								7		
		1.0/1.0					GC	8	1218	No Recov 7.6-8.0 8.0 – 9.0 clayey gravel (GC) light olive gray (5Y5/2), f-c gravel f-c sand, sl plastic clay matrix 6 17 50 for lim
								9		TD = 9.0
								10		13:50 water level at 6.95

NOTES: General: USCS is modified for this log as follows:
Materials amounts are estimated by % volume instead of % weight.
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E06301
BP17018RM 0-9.0'
1228

(4011-930-01 (4-93)(Form GT.1A)(03/01/92))

U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT

FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 1 OF 1

Borehole Number: BH18697
Location - North: 751650 East: 2082148
Date: 8/28/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6005
Area: IHSS 120
Total Depth: 10.0
Company: RMRS
Project No. CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		0.8/2.0					GC	1	1255 14 19 20 19	0.0 - 0.8 clayey gravel, GC, dark reddish brown (10R 3/4) f-c gravel, f-c sand, sl plastic clay matrix, dense, sl. moist-moist
		2.0/2.0								0.8 - 2.0 No Recov
							GC	2	1304 23 24 18 23	2.0 - 4.0 cont GC same as 0.0 - becomes light brown (5YR 6/6) to light brown (5YR 6/4)
		2.0/2.0	BH17038RM				GC	4	1313 ~~1443~~ mw 8/28/97 26 39 40 40	4.0 - 6.0 same as 0.0 - 0.8 BH 17038 RM VOA 5.0-5.5
		1.9/2.0					SW	6	1322 ~~1448~~ mw 8/28/97 24 34 41 34	6.0 - 7.9 Gravelly ~~clay~~ sand (SW) with clay, dark yellowish orange (10YR 6/6) f-c sand, f-c gravel wet-saturated some-trace clay very dense saturated at 6.2 to 6.4
		1.7/2.0						7		No Recov 7.9 - 8.0
								8	1335 27 32 34 25	8.0 - 8.8 same as 6.0 - 7.9
							GC	9		8.8 - 9.7 clayey gravel, GC, mottled dark yellowish orange (10YR 6/6), moderate (5YR 4/6), to mod yellowish brown (10YR 5/4), f-c gravel, f-c sand, caliche/clay matrix, wet-moist
								10		No Recovery 9.7 - 10.0 TD = 10.0

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E06299
BP17019RM
1350
1355 water level at 7.5 and rising.

U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT FORM GT.1A1 (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH 18797
Location - North: 751754 East: 2082637
Date: 9/2/97
Geologist: M. Ward
Drilling Equip.: CME-75

Surface Elevation: 5997
Area: PU+D
Total Depth: 22.0
Company: RMRS Project No. CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR
APPROVAL [signature] DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.7/2.0					GC	0935		0.0-1.7 clayey gravel, GC, mod brown (5YR 3/4) to dusky brown (5YR 2/2) f-c gravel, f-c sand, moist sl plastic clay matrix ~~to 1.5 BH17040RM von~~ 0940 mw 9/2/97 mdm dense
								1		No Recov 1.7-2.0
		1.5/2.0					GC	2	0945	2.0-3.5 same as 0.0-1.7
								3		No Recov 3.5-4.0 mw 9/2/97
		1.5/2.0	BH17041RM				ML	4	0950	4.0-5.5 sandy ~~clay~~ silt, ML, dusky yellow (5Y 6/4) f-m sand, trace gravel, moist, stiff, sl plastic silty clay
								5		BH17041RM von 4.5-5.0
										No Recov 4.5-6.0
		1.5/2.0					ML	6	1000	6.0-7.5 cont same as 4.0-5.5
								7		No Recov 7.5-8.0
		1.7/2.0					CL/GC	8	1010	8.0-9.7 Gravelly clay (CL)/GC w/sand yellowish gray (5Y 7/2) f-c gravel, f-c sand, silty clay matrix, moist, very stiff to hard
								9		No Recov 9.7-10.0
								10		

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT FORM GT-1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 2 OF 3

Borehole Number: BH18797
Location - North: 751756 East: 2082637
Date: 9/2/97
Geologist: McWood
Drilling Equip.: CME-75

Surface Elevation: 5997
Area: PU+D
Total Depth: 22.0
Company: RMRS Project No.: CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.2/2.0	BH17042RM				GW	10	1027 26 18 36 50 for 5in	10.0-11.2 sandy Gravel GW w/clay light brown (5YR 5/4) to yellowish gray (5Y 7/2) f-c gravel, fine sand, sl plastic clay matrix, very dense moist-wet-gross water
								11		BH17042RM via 10.5-11.0
		1.4/2.0					GW	12	1057	No Recov. 11.2-12.0 12.0-13.4 same as 10.0-11.2
			BH17040RM					13		No Recov 13.4-14.0
		1.0/1.0					GW	14	1103 46 ~~50 for 5in~~ 80 mw 9/2/97	14.0-15.0 same as 10.0-11.2
								15		BH17040RM via 14.0-14.5
		2.0/2.0					SC	16		hand drilling 15.0-16.0 - No Recov 16.0-16.5 clayey sand (SC), 1-sno brown (5YR 4/4) f-c sand, plastic clay matrix, moist 6 7 8 18
							CL	17		16.5-17.5 clay (CL/CH) pale olive (10Y 6/2), moist, st. ff, w/some sand
		2.0/2.0					SC	18	1178 5 8 10 12	17.5-18.0 clayey sand (SC) same as 16.0-16.5 18.0-19.6 same as 16.0-16.5
								19		19.6-20.0 clay CL same as 16.5-17.5
							CL	20		

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U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

PAGE 3 OF 13

Borehole Number: BH18797
Location - North: 751756 East: 2082637
Date: 9/2/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 5997
Area: PU+D
Total Depth: 22.0
Company: RMRS Project No.: CB032WIN
Sample Type: SS

EG&G LOGGING SUPERVISOR
APPROVAL [signature] DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1/20	BH17043RM				CL	20		20.0 – 20.2 clay same as 16.5-17.5
							SC			20.2-22.0 clayey sand, sand same as 16.0-16.5 moist to wet
								21		
										BH17043RM VOA 20.5-21.0 1800 water level at 21.5
								22		TD=22.0
								23		BP17020RM 0-22.0' 1305 E063149RM mw 9/3/97
								24		

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(2) Core breaks cannot be matched, accurate footage measurements not possible.

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH18897
Location - North: 751768 East: 2082780
Date: 9/2/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 5995
Area: PU+D, IHSS 120
Total Depth: 22.0
Company: RMRS
Project No.: BD320FN
Sample Type: SS

EG&G LOGGING SUPERVISOR
APPROVAL [signature] DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.4/2.0					GM	1	1350 9 8 13 17	0.0-1.4 silty gravel, GM, w/ clay grayish brown (5YR 3/2) f-c gravel fr sand, sl moist, sl plastic clay matrix trace roots at 0.0-0.2, dense
										No Recov 1.4-2.0
		2.0/2.0					GC	2 3	1352 17 23 34 34	2.0-4.0 clayey gravel, GC moderate brown (5YR 4/4), f-c gravel, f-c sand, sl moist, sl plastic clay matrix, very dense
		0.5/0.9	BH17044RM				GC	4 5	1411 30 50 for 5 in	4.0-4.5 same as 2.0-4.0
										BH17044RM voa 4.0-4.5
										No Recov 4.5-6.0
		2.0/2.0					GC	6 7	1424 17 21 23 17	6.0-8.0 cont same as 2.0-4.0 trace caliche
		1.6/2.0					GC	8 9	1430 18 19 12 15	8.0-9.6 same as 2.0-4.0
								10		No Recov 9.6-10.0

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(2) Core breaks cannot be matched, accurate footage measurements not possible.

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH18897
Location - North: 751768 East: 2082780
Date: 9/2/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 5995
Area: PU+D IHSS 170
Total Depth: 22.0
Company: EMRS Project No. CB0320DN
Sample Type: SS

EG&G LOGGING SUPERVISOR
APPROVAL [signature] DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		2.0/2.0	BH17045RM				BC	10	1438	10.0-11.8 same as 2.0-4.0
										24
										24
										22
								11		11
										BH17045RM 11.0-11.5
										11.8-12.0 Sandy clay (CL)
							CL	12	1504	mod brown (5YR 4/4) to pale olive (10Y6/2) f-m sand, moist, plastic
		0.6/2.0								
										12.0-12.6 same as 11.8-12.0
								13		6
										6
										9
										No Recov 12.6-14.0
										10
								14	1512	14.0-16.0 same as 11.8-12.0
		2.0/2.0	BH17046RM				CL			3
										5
										7
										7
								15		BH17046RM 15.0-15.5 von
		2.0/2.0						16		16.0-17.0 same as 11.8-12.0
										4
										8
										12
								17		16 17.0-18.0 clayey sand (SC) w/ trace gravel, light brown (5YR5/4) moist, f-c sand mdm density, plastic clay matrix
							SC			
								18		18.0-20.0 sandy clay, CL, f-m sand, plastic, stiff to very stiff
		2.0/2.0					CL			3
										4
										7
										increase in sand 19.8'
								19		11
								20		

NOTES: General: USCS is modified for this log as follows:
Materials amounts are estimated by % volume instead of % weight.
(1) Badly broken core, accurate footage measurements not possible.
(2) Core breaks cannot be matched, accurate footage measurements not possible.

U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH18897
Location - North: 751768 East: 2082780
Date: 9/2/97
Geologist: M. Word
Drilling Equip.: CME-75

Surface Elevation: 5995
Area: PU+D, IA SS 170
Total Depth: 22.0
Company: RMRS Project No.: CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR
APPROVAL _____ DATE _____

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		20/2.0	BH17047RM				CL	20		20.0-21.3 same as 18.0-20.0
										5 6 9 11 21.3-22.0 same as 17.0-18.0 wet-sat.
								21		
							SC			BH17047RM voa 20.5-21.0
								22		TD = 22.0
										E06315RM & E06317RM
										1552 BP17021RM 0.2B.2
								23		9/3/97 0905 water at 20.51
										GW17009RM voa 0930 sl brown/turbid
								24		turn boring over to WARP to install monitoring well
								25		
								26		
								27		
								28		

NOTES: General: USCS is modified for this log as follows:
Materials amounts are estimated by % volume instead of % weight.
(1) Badly broken core, accurate footage measurements not possible.
(2) Core breaks cannot be matched, accurate footage measurements not possible.

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: BH18997
Location - North: 751751 East: 2082010
Date: 9/4/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6007
Area: IHSS 174A
Total Depth: 12.4 ft
Company: RMRS Project No.: CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		1.6/2.0					GM		0930 11 16 11	0.0–1.0 silty gravel, GM, dark yellowish brown (10YR4/2), f-c gravel, f-c sand, silt, dry, mdm dense
							GC	1	16	1.0–1.6 clayey Gravel, GC dark reddish brown (10R3/4) f-c gravel, f-c sand moist mdm dense, sl plastic clay matrix
										No Recov 1.6–2.0
		2.0/2.0					GC	2	0937	2.0–4.0 cont same as 1.0–1.6
								3		
		1.5/2.0	BH17049RM				GC	4	0958 15 22 33 22	4.0–5.5 same as 1.0–1.6
								5		BH17049RM voa 5.0–5.5 rad screen 4.5–5.0
		2.0/2.0								No Recov 5.5–6.0
							GC	6	1006 19 19 13 14	6.0–8.0 same as 1.0–1.6 becomes pale olive (10Y6/2)
								7		
		2.0/2.0					GC	8	1015 10 24 18 52	8.0–10.0 same as 1.0–1.6 pale olive (10Y6/2) to dusky red (5R3/4)
								9		BH17050RM via 9.5–10.0 rad screen 9.0–9.5
								10		

NOTES: General: USCS is modified for this log as follows:
Materials amounts are estimated by % volume instead of % weight.
(1) Badly broken core, accurate footage measurements not possible.
(2) Core breaks cannot be matched, accurate footage measurements not possible.

U.S. DEPARTMENT OF ENERGY ROCKY FLATS PLANT FORM GT.1A (REV. 2)

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: B418997
Location - North: 751751 East: 2082010
Date: 9/4/97
Geologist: M. Wood
Drilling Equip.: CME-75

Surface Elevation: 6007
Area: FHSS 194A
Total Depth: 12.4 ft
Company: RMRS Project No.: CB0320IN
Sample Type: SS

EG&G LOGGING SUPERVISOR APPROVAL [signature] DATE 9/24/97

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL (FIELD MEASUREMENT)	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL/ LITHOLOGIC LOG	SAMPLE DESCRIPTION
		0.2/0.4					GC	10	10:45	10.0 – 10.2 same as 1.0-1.6 100 for 5in dark yellowish orange (10YR 4/6) moist encounter cobble/boulder at 10.4 break SS - drill to 12.0; water at 11.0 No Recov 10.2 - 12.0
								11	11:05	12.0 – 12.4 Gravelly sand (SW) 50 for 5in Mod yellowish brown (10YR 5/4) to orange brown f-c sand, f-c gravel, wet-saturated, very dense trace clay/silt
							SW	12		TD = 12.4
								13		BP17022RM 0-12.0 1110
								14		EO6316RM

NOTES: General: USCS is modified for this log as follows:
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(1) Badly broken core, accurate footage measurements not possible.
(2) Core breaks cannot be matched, accurate footage measurements not possible.

APPENDIX B

VOC ANALYTICAL RESULTS

IHSS 170/174 SAMPLE COLLECTION FORMS

LOGBOOK: ER-IHSS 170/174-LB-97-222

DATE: 8/18/97

RIN#: 97A2437

SAMPLERS: M R WOOD

QC/PEER REVIEW: C Bogert C Bogert 8/18/97
Print/Sign/Date

	TIME	EVENT	BOTTLE	ANALYTE	RFEDS #	LOCATION	QC
	1020	001	001	VOA MET RAD	BH17000RM	17097	TB RB DUP
		001	002	VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1045	002	003	VOA MET RAD	BH17001RM	17097	TB RB DUP
		002	004	VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1115	003	005	VOA MET RAD	CB 8/20/97 BH17002RM	17097	TB RB DUP
			012	~~VOA MET RAD~~ MRW 8/18/97			TB RB DUP
				VOA MET RAD			TB RB DUP
	1330	004	006	VOA MET RAD	BH17003RM	17197	TB RB DUP
		004	007	VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1352	005	008	VOA MET RAD	BH17004RM	17197	TB RB DUP
		005	009	VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1420	006	010	VOA MET RAD	CB 8/20/97 BH17005RM	17197	TB RB DUP
			011	~~VOA MET RAD~~ MRW 8/18/97			TB RB DUP
				VOA MET RAD			TB RB DUP
	1500	007	011	VOA MET RAD	BH17006RM	17197	TB RB DUP
	1500	007	012	VOA MET RAD	BH17006RM	17197	TB RB DUP
				VOA MET RAD			TB RB DUP
		008		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		009		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		010		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		011		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		012		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		013		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		014		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		015		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP

IHSS 170/174 SAMPLE COLLECTION FORMS

LOGBOOK: ER-IHSS 170/174-LB-97-222

DATE: 8/19/97

RIN#: 97A2438 SAMPLERS: M. Wood

QC/PEER REVIEW: C Bogert [signature] 8/20/97
Print/Sign/Date

	TIME	EVENT	BOTTLE	ANALYTE	RFEDS #	LOCATION	QC
	1125	001	001	VOA MET RAD	BH17007RM	17297	TB RB DUP
	1125	001	002	VOA MET RAD	BH17007RM	17297	TB RB DUP
				VOA MET RAD			TB RB DUP
	1150	002	003	VOA MET RAD	BH17008RM	17297	TB RB DUP
	1150	002	004	VOA MET RAD	BH17008RM	17297	TB RB DUP
				VOA MET RAD			TB RB DUP
	1250	003	005	VOA MET RAD	BP17000RM	17297	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1540	004	006	VOA MET RAD	BH17009RM	17397	TB RB DUP
		004	007	VOA MET RAD	BH17009RM		TB RB DUP
				VOA MET RAD			TB RB DUP
	1620	005	008	VOA MET RAD	BH17010RM	17397	TB RB DUP
	1620	005	009	VOA MET RAD	BH17010RM	17397	TB RB DUP
				VOA MET RAD			TB RB DUP
	1635	006	010	VOA MET RAD	BP17001RM	17397	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1700	007	011	VOA MET RAD	BH17011RM	17397	TB RB DUP
		007	012	VOA MET RAD	BH17011RM	17397	TB RB DUP
				VOA MET RAD			TB RB DUP
		008		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		009		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		010		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		011		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		012		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		013		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		014		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		015		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP

8-19-97

IHSS 170/174 SAMPLE COLLECTION FORMS

LOGBOOK: ER-IHSS 170/174-LB-97-222

DATE: 8/20/97

RIN#: 97A2439 **SAMPLERS:** TC WOOD

QC/PEER REVIEW: C Bogert C Bogert 8/25/97
Print/Sign/Date

	TIME	EVENT	BOTTLE	ANALYTE	RFEDS #	LOCATION	QC
	1030	001	001	VOA MET RAD	BH17012RM	BH 17497	TB RB DUP
	1030	001	002	VOA MET RAD	BH17012RM	17497	TB RB DUP
				VOA MET RAD			TB RB DUP
	1103	002	003	VOA MET RAD	BH17013RM	17497	TB RB DUP
			~~004~~	~~VOA MET RAD~~	~~BH17013RM~~	~~17497~~	TB RB DUP
	1103	002	004	VOA MET RAD	MRW 8-20-97 BH17013RM	stet 17497	TB RB DUP
	1133	003	005	VOA MET RAD	BH17014RM	17497	TB RB DUP
	1133	003	006	VOA MET RAD	BH17014RM	17497	TB RB DUP
				VOA MET RAD			TB RB DUP
	1205	004	007	VOA MET RAD	MRW 8-20-97 BH17005RM	17497	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1330	005	008	VOA MET RAD	GW17000RM	17497	TB RB DUP
	1330	005	009	VOA MET RAD	GW17000RM	17497	TB RB DUP
	1330	005	010	VOA MET RAD	GW17000RM	17497	TB RB DUP
	1415	006	011	VOA MET RAD	BH17015RM	17597	TB RB DUP
	1415	006	012	VOA MET RAD	BH17015RM	17597	TB RB DUP
				VOA MET RAD			TB RB DUP
	1533	007	013	VOA MET RAD	BH17016RM	17597	TB RB DUP
	1533	007	014	VOA MET RAD	BH17016RM	17597	TB RB DUP
	~~1533~~	~~007~~	~~015~~	~~VOA MET RAD~~	~~BH17016RM~~ MRW 8/25/97	~~17597~~	~~TB RB DUP~~
	1555	008	016	VOA MET RAD	BP17006RM	17597	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1615	009	017	VOA MET RAD	BH17017RM	17597	TB RB DUP
	1615	009	018	VOA MET RAD	BH17017RM	17597	TB RB DUP
				VOA MET RAD			TB RB DUP
	1533	010	015	VOA MET RAD	BH17005RM	17597	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		011		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		012		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		013		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		014		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		015		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP

BH 8/20/97

IHSS 170/174 SAMPLE COLLECTION FORMS

LOGBOOK: ER-IHSS 170/174-LB-97-222

DATE: 8/21/97

RIN#: 97A2440 SAMPLERS: MR Wood

QC/PEER REVIEW: C Bogert C Bogert 8/25/97
Print/Sign/Date

	TIME	EVENT	BOTTLE	ANALYTE	RFEDS #	LOCATION	QC
	0925	001	001	(VOA) MET RAD	BH17018RM	BH17697	TB RB DUP
	0925	001	002	VOA MET (RAD)	BH17018RM	17697	TB RB DUP
				VOA MET RAD	MRW 8/21/97		TB RB DUP
	0950	002	003	(VOA) MET RAD	BH17019RM	17697	TB RB DUP
	0950	002	004	VOA MET (RAD)	BH17019RM	17697	TB RB DUP
	1010	006	005/006	(VOA) MET RAD	BH17008RM	17697	TB (RB) DUP
	1025	003	007	VOA (MET) RAD	BP17007RM	17697	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1118	004	008	(VOA) MET RAD	BH17020RM	BH17797	TB RB DUP
	1118	004	009	VOA MET (RAD)	BH17020RM	17797	TB RB DUP
				VOA MET RAD			TB RB DUP
		005	~~010~~	~~(VOA) MET RAD~~	MRW 8-21-97 ~~BH17021RM~~	~~17797~~	TB RB DUP
			~~011~~	~~VOA MET (RAD)~~	~~BH17021RM~~	~~17797~~	TB RB
	1308	005	010	VOA (MET) RAD	BP17608RM	17797	TB RB
		~~006~~		~~VOA MET RAD~~		MRW 8/21/97	~~TB RB DUP~~
	1500	007	011	(VOA) MET RAD	BH17021RM	17797	(TB) RB DUP
	1500	007	012	(VOA) MET RAD	BH17021RM	17797	(TB) RB DUP
		007		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		008		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		009		VOA MET RAD			TB RB DUP
			MRW	VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		010	8-21-97	VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		011		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		012		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		013		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		014		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		015		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			

IHSS 170/174 SAMPLE COLLECTION FORMS

LOGBOOK: ER-IHSS 170/174-LB-97-222

DATE: 8/22/97

RIN#: 97A2441 SAMPLERS: M R Wood

QC/PEER REVIEW: C Bogert C Bogert 8/25/97

Print/Sign/Date

	TIME	EVENT	BOTTLE	ANALYTE	RFEDS #	LOCATION	QC
	1037	001	001	VOA MET RAD	BH17022RM	BH17897	TB RB DUP
	1037		002	VOA MET RAD	BH17022RM	BH17897	TB RB DUP
				VOA MET RAD			TB RB DUP
	1113	002	003	VOA MET RAD	BH17023RM	BH17897	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1432	003	004	VOA MET RAD	BH17024RM	BH17997	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1155	004	005	VOA MET RAD	GW17001RM	BH17897	TB RB DUP
	1155		006	VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1212	005	007	VOA MET RAD	BP17009RM	BH17897	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		~~006~~	~~008~~	~~VOA MET RAD~~	~~GW17002RM~~	~~BH17997~~	~~TB RB DUP~~
			~~009~~	~~VOA MET RAD~~	~~GW17002RM~~	~~BH17997~~	~~TB RB DUP~~
			~~010/011~~	~~VOA MET RAD~~	~~GW17002RM~~		~~TB RB DUP~~
	1505	007	012	VOA MET RAD	BH17025RM	17997	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1600	008	013	VOA MET RAD	BH17026RM	17997	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1610	009	014	VOA MET RAD	BH17027RM	17997	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		010		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		011		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		012		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		013		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		014		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		015		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP

MRW 8/22/97

IHSS 170/174 SAMPLE COLLECTION FORMS

LOGBOOK: ER-IHSS 170/174-LB-97-222

DATE: 8/25/97

RIN#: 97A24 42 SAMPLERS: M. Wood

QC/PEER REVIEW: CBogert CBogert 8/26/97
Print/Sign/Date

	TIME	EVENT	BOTTLE	ANALYTE	RFEDS #	LOCATION	QC
	1050	001	001	(VOA) MET RAD	GW17002RM	BH 17997	TB RB DUP
	1050		002	(VOA) MET RAD	GW17002RM	17997	TB RB DUP
		MNW 8/25/97	~~003~~	~~VOA MET RAD~~	~~GW17003RM~~		TB RB DUP
	1052	002	003	(VOA) MET RAD	GW17003RM	17997	TB RB (DUP)
	1052		004	(VOA) MET RAD	GW17003RM	17997	TB RB (DUP)
				VOA MET RAD			TB RB DUP
	1000	003	005	(VOA) MET RAD	GW17004RM	17997	(TB) RB DUP
	1000		006	(VOA) MET RAD	GW17004RM	17997	(TB) RB DUP
				VOA MET RAD			TB RB DUP
	1100	004	007	(VOA) MET RAD	GW17005RM	17997	TB (RB) DUP
			008	(VOA) MET RAD	GW17005RM	17997	TB (RB) DUP
				VOA MET RAD			TB RB DUP
	1025	005	009	VOA (MET) RAD	BP17010RM	17997	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1107	006	010	(VOA) MET RAD	BH17028RM	BH 18097	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1110	007	011	(VOA) MET RAD	BH17029RM	18097	TB RB (DUP)
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		~~008~~	~~012~~	~~(VOA) MET RAD~~	~~BH17030RM~~	~~18097~~	~~TB RB DUP~~ MNW 8/25/97
	1342	008	012	(VOA) MET RAD	GW17006RM	18097	TB RB DUP
	1342	008	013	(VOA) MET RAD	GW17006RM	18097	TB RB DUP
	1355	009	014	VOA (MET) RAD	BP17011RM	18097	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1357	010	015	VOA (MET) RAD	BP17012RM	18097	TB RB (DUP)
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1405	011	016	VOA (MET) RAD	BP17013RM	18097	TB (RB) DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1507	012	017	(VOA) MET RAD	BH17030RM	BH 18197	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1535	013	018	VOA (MET) RAD	BP17014RM	18197	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD	MNW 8/25/97		TB RB DUP
	1600	014	019	(VOA) MET RAD	~~BH17~~GW17007RM	18197	TB RB DUP
			020	(VOA) MET RAD	GW17007RM	18197	TB RB DUP
				VOA MET RAD			TB RB DUP
		015		~~VOA MET RAD~~	MNW		TB RB DUP
				VOA MET RAD	8-25-97		TB RB DUP
				VOA MET RAD			TB RB DUP

IHSS 170/174 SAMPLE COLLECTION FORMS

LOGBOOK: ER-IHSS 170/174-LB-97-222

DATE: 8-27-97

RIN#: 97A2443 SAMPLERS: M.R. Wood

QC/PEER REVIEW: C Bogert C Bogert 8/27/97
Print/Sign/Date

	TIME	EVENT	BOTTLE	ANALYTE	RFEDS #	LOCATION	QC
	0840	001	001	VOA MET RAD	BH17031RM	BH 18297	TB RB DUP
	0840	002	002	VOA MET RAD	BH17031RM	18297	TB RB DUP
				VOA MET RAD			TB RB DUP
	1017	002	003	VOA MET RAD	BH17032RM	18297	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1050	003	004	VOA MET RAD	BP17015RM	18297	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1152	004	005	VOA MET RAD	BH17033RM	BH 18397	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1220	005	006	VOA MET RAD	BP17016RM	18397	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1422	006	007	VOA MET RAD	BH17034RM	BH 18497	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1445	007	008	VOA MET RAD	BH17035RM	18497	TB RB DUP
		007	009	VOA MET RAD	BH17035RM	18497	TB RB DUP
				VOA MET RAD			TB RB DUP
	1500	008	010	VOA MET RAD	BP17017RM	18497	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		009		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		010		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		011		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		012		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		013		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		014		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		015		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP

M.R. Wood 8-27-97

IHSS 170/174 SAMPLE COLLECTION FORMS

LOGBOOK: ER-IHSS 170/174-LB-97-222

DATE: 8-28-97

RIN#: 97A2444 SAMPLERS: M. R. Wood

QC/PEER REVIEW: CBogert CBogert 8/29/97
Print/Sign/Date

	TIME	EVENT	BOTTLE	ANALYTE	RFEDS #	LOCATION	QC
	1125	001	001	VOA MET RAD	BH17036RM	BH18597	TB RB DUP
	1125		002	VOA MET RAD	BH17036RM	18597	TB RB DUP
				VOA MET RAD			TB RB DUP
	1205	002	003	VOA MET RAD	BH17037RM	18597	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1228	003	004	VOA MET RAD	BP17018RM	18597	TB RB DUP
				VOA MET RAD			TB RB DUP
	1313			VOA MET RAD			TB RB DUP
	1313	004	005	VOA MET RAD	BH17038RM	BH18697	TB RB DUP
	8/28/97			VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1350	005	006	VOA MET RAD	BP17019RM	18697	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		006		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		007		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		008		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		009		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		010		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		011		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		012		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		013		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		014		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		015		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP

8-28-97

IHSS 170/174 SAMPLE COLLECTION FORMS

LOGBOOK: ER-IHSS 170/174-LB-97-222

DATE: 9/2/97

RIN#: 97A24 45 SAMPLERS: MR Wood

QC/PEER REVIEW: CBogert CBogert 9/3/97
Print/Sign/Date

	TIME	EVENT	BOTTLE	ANALYTE	RFEDS #	LOCATION	QC
	0915	001	001	(VOA) MET RAD	BH17039RM	BH18797	(TB) RB DUP
			002	(VOA) MET RAD	BH17040RM	BH18797	(TB) RB DUP
				VOA MET RAD	39 mw 9/2/97		TB RB DUP
	~~0940~~	~~002~~ mw	~~003~~	~~(VOA) MET RAD~~	~~BH17040RM~~	~~18797~~	~~TB RB DUP~~
		9/2/97		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	0950	003	004	(VOA) MET RAD	BH17041RM	18797	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1027	004	005	(VOA) MET RAD	BH17042RM	18797	TB RB DUP
	1105	002	003	(VOA) MET RAD	BH17040RM	18797	TB RB DUP
				VOA MET RAD			TB RB DUP
	1140	005	006	(VOA) MET RAD	BH17043RM	18797	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1305	006	007	VOA (MET) RAD	BP17020RM	18797	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1411	007	008	(VOA) MET RAD	BH17044RM	18897	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1438	008	009	(VOA) MET RAD	BH17045RM	18897	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1512	009	010	(VOA) MET RAD	BH17046RM	18897	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1540	010	011	(VOA) MET RAD	BH17047RM	18897	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1552	011	012	VOA (MET) RAD	BP17021RM	18897	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		012		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		013		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		014		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		015		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP

IHSS 170/174 SAMPLE COLLECTION FORMS

LOGBOOK: ER-IHSS 170/174-LB-97-222

DATE: 9/3/97

RIN#: 97A2446 SAMPLERS: M C Wood

QC/PEER REVIEW: CBogert CBogert 9/3/97
Print/Sign/Date

	TIME	EVENT	BOTTLE	ANALYTE	RFEDS #	LOCATION	QC
	0920	001	001	VOA MET RAD	GW17008RM	BH18897	TB RB DUP
	0920		002	VOA MET RAD	GW17008RM	BH18897	TB RB DUP
				VOA MET RAD			TB RB DUP
	0930	002	003	VOA MET RAD	GW17009RM	BH18897	TB RB DUP
	0930		004	VOA MET RAD	GW17009RM	BH18897	TB RB DUP
				VOA MET RAD			TB RB DUP
	1105	003	005	VOA MET RAD	SS17000RM	SS17097	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1107	004	006	VOA MET RAD	SS17001RM	SS17097	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1120	005	007	VOA MET RAD	SS17002RM	SS17197	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
	1125	006	008	VOA MET RAD	SS17003RM	SS17297	TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		007		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		008		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		009		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		010		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		011		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		012		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		013		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		014		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		015		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP

M. Wood 9-3-97

IHSS 170/174 SAMPLE COLLECTION FORMS

LOGBOOK: ER-IHSS 170/174-LB-97-222

DATE: 9/4/97

RIN#: 97A2447 SAMPLERS: M. R. Wood

QC/PEER REVIEW: C Bogert C Bogert 9/8/97
Print/Sign/Date

	TIME	EVENT	BOTTLE	ANALYTE	RFEDS #	LOCATION	QC
	0900	001	001	VOA MET RAD	BH17048RM	BH18997	TB RB DUP
	0900		002	VOA MET RAD	BH17048RM	18997	TB RB DUP
				VOA MET RAD			TB RB DUP
	0958	002	003	VOA MET RAD	BH17049RM	18997	TB RB DUP
	0958		004	VOA MET RAD	BH17049RM	18997	TB RB DUP
				VOA MET RAD			TB RB DUP
	1015	003	005	VOA MET RAD	BH17050RM	18997	TB RB DUP
	1015		006	VOA MET RAD	BH17050RM	18997	TB RB DUP
				VOA MET RAD	MWood 9/4/97		TB RB DUP
		004	007	VOA MET RAD	BH17051RM	18997	TB RB DUP
			008	VOA MET RAD	BH17051RM	18997	TB RB DUP
		MWood 9/4/97		VOA MET RAD		MW 9/4/97	TB RB DUP
	1110	005	007	VOA MET RAD	BP17022RM	18997	TB RB DUP
	1110		008	VOA MET RAD	BP17022RM	18997	TB RB DUP
				VOA MET RAD			TB RB DUP
		006		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		007		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		008		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		009		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		010		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		011		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		012		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		013		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		014		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
		015		VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP
				VOA MET RAD			TB RB DUP

MWood 9/4/97

9708-223

1 of 1

SAMPLERS (Signature) m Wood

REPORT IDENTIFICATION NUMBER (RIN) 97A2437

LAB/LOCATION: Paragon

RFETS CONTRACTOR RMRS

ROCKY FLATS
ENVIRONMENTAL TECHNOLOGY SITE
CHAIN OF CUSTODY NUMBER RFP 901509

	DATE	TIME	EVENT	BOTTLE	USER ID	LOCATION	CONTAINER	MATRIX	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	SS01B006	MS/MSD Level 8260	SS01B005	8260	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
01	8/18/97	1020	001	001	BH17001Rm	BH17097	core	S	X					U											
02		1045	002	003	BH17001Rm	BH17097	core	S	X					U											
03		1330	004	006	BH17003Rm	BH17197	120mL G	S	X					U											
04		1353	005	008	BH17004Rm	BH17197	core	S	X					U											
05		1500	007	011	BH17006Rm	BH17197	40mL G	W	X			X				R									
06		1500	007	012				W	X			X													

DB 8/18/97

Relinquished By:	Date	Time	Received By/Organization	Date	Time		
Mark Wood	8/18/97	1510	[illegible]	8/18/97	1510	PC/93 REC'D/CUSTODY SEALS INTACT	Y
[illegible]	8/19/97	1625	Tom Lindsay	8/19/97	1625	SAMPLE LABELS/COCs AGREE	Y
			Brian Pearson / Paragon	8/20/97	0840	TEMPERATURE AT TIME OF RECEIPT 5 °C	

REMARKS:

Charge #

Project PU+D

Shipping Requirements: Overnight Delivery [X] 2-Day Delivery [ ] Air Bill No.

APO COC 8/3/97

U = 3 day TA

9708 520

1 of 1

SAMPLERS (Signature) MR WOOD

REPORT IDENTIFICATION NUMBER (RIN) 97A2439

LAB LOCATION: Paragon

RFETS CONTRACTOR RMRS

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE CHAIN OF CUSTODY NUMBER IEP901555

DATE	TIME	EVENT	BOTTLE	USER ID	LOCATION	CONTAINER	MATRIX	Control No.	Acid	Base	Filtered	Ice	SS01B006 med Level 8240	SS01B005 8260									
8/20/97	1030	001	001	BH17012RM	BH17497	Core	✓ S	X					U										01
	1103	002	003	BH17013RM	BH17497	↓	✓ ↓	X					U										02
	1133	003	006	BH17014RM	BH17497	↓	✓ ↓	X					U										03
	1330	005	008	GW17000RM	↓	40 mLG	✓ W	X			X			U									04
	1330	005	009	GW17000RM	↓	↓	✓ ↓	X			X			U									
	1533	007	013	BH17016RM	BH17597	Core	✓ S	X					U										05
	1533	007	015	BH17016RM	↓	↓	✓ ↓	X					U										06
	1615	009	017	BH17017RM		40 mLG	✓ W	X			X			U									07
	1615	009	018	BH17017RM	↓	↓	✓ ↓	X			X			U									
	1415	006	011	BH17015RM	↓	Core	✓ S	X					U										08

8/21/97

Relinquished By:	Date	Time	Received By/Organization	Date	Time	
[signature]	8-21-97	0835	[signature]	8/21/97	0835	PCKG REC'D/CUSTODY SEALS INTACT
[signature]	8/25/97	1135	[signature]	8/25/97	1135	SAMPLE LABELS/COCs AGREE
[signature]	8/26/97	0745	[signature]	8/26/97	0745	TEMPERATURE AT TIME OF RECEIPT ___ °C
[signature]	8/26/97	0930	[signature]	8/26/97	0930	
[signature]	8/26/97	1200	[signature]	8/27/97	1030	

REMARKS:

Charge # CB0320AN

Project PU+D

Shipping Requirements: Overnight Delivery ☒ 2-Day Delivery ☐ Air Bill No.

APO COC 8/5/97

9708321

1 of 1

SAMPLERS (Signature) M R WOOD

REPORT IDENTIFICATION NUMBER (RIN) 97A2440

LAB/LOCATION: PARAGON

RFETS CONTRACTOR RMRS

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE CHAIN OF CUSTODY NUMBER RFP 901557

DATE	TIME	EVENT	BOTTLE	USER ID	LOCATION	CONTAINER	MATRIX	Cooler Temp °C	Metals	Metals	Metals	Metals	Metals	SS01B006 Mod Level 8260	SS01B005 8260											
8/21/97	0925	001	001	BH17018RM	BH17097	Core	S	X						M												01
	0950	002	002	BH17019RM				X						M												02
	1010	006	005	BH17002RM		40mLG	W	X				X			M											03
	1010	006	006	BH17002RM				X				X			M											
	1118	004	008	BH17020RM	BH17097	Core	S	X						M												04
	1500	007	011	BH17021RM	BH17097	40mLG	W	X				X			M											05
	1500	007	012	BH17021RM				X				X			M											

8/26/97

Relinquished By:	Date	Time	Received By/Organization	Date	Time
Mark Wood	8-21-97	1510	T891C Sample Refrigerator	8/21/97	1510
T891C Sample Refrigerator	8-26-97	0740	[illegible]	8/26/97	0740
[illegible]	8/26/97	0930	[illegible]	8/26/97	0930
[illegible]	8/26/97	1200	[illegible]	8/27/97	1030

PCKG REC'D/CUSTODY SEALS INTACT	
SAMPLE LABELS/COCs AGREE	
TEMPERATURE AT TIME OF RECEIPT ___°C	

REMARKS:

Charge # CB0320AN

Project Pu & D

Shipping Requirements: Overnight Delivery [X] 2-Day Delivery [ ] Air Bill No.

APO COC 6/5/97

1708-323

SAMPLERS (Signature) M. R. WOOD

REPORT IDENTIFICATION NUMBER (RIN) 17A2441

LAB/LOCATION: PARAGON

RFETS CONTRACTOR RMRS

ROCKY FLATS
ENVIRONMENTAL TECHNOLOGY SITE
CHAIN OF CUSTODY NUMBER RFP901559

DATE	TIME	EVENT	BOTTLE	USER ID	LOCATION	CONTAINER	MATRIX	Cooler # C	HNO3	HNO3	HCl	HCl	SS01B006 Mod Level 8260	SS01B005 8260									
8/20/97	1037	001	001*	BH17022RM	BH17897	40MLG	✓ W	X			X			U									01
↓	↓	↓	002*	↓	↓	↓	✓ ↓	X			X			U									
✓	1113	002	003*	BH17023RM	↓	core	✓ S	X					U										02
✓	1432	003	004*	BH17024RM	BH17897	↓	✓ ↓	X					U										03
✓	1155	004	005*	SW17001RM	BH17897	40MLG	✓ W	X			X			U									04
✓	↓	↓	006*	↓	↓	↓	✓ ↓	X			X			U									
✓	1507	007	012*	BH17025RM	BH17897	core	✓ S	X					U										05
✓	1600	008	013*	BH17026RM	BH17897	↓	✓ ↓	X					U										06
✓ ↓	1616	009	014*	BH17027RM	↓	↓	✓ ↓	X					U										07

Relinquished By:	Date	Time	Received By/Organization	Date	Time	LABORATORY USE ONLY	
Mark Wood	8/25/97	0815	Rachel Miller	8/25/97	0815	PCKG REC'D/CUSTODY SEALS INTACT	
Rachel Miller	8/26/97	1130	[illegible]	8/26/97	1130	SAMPLE LABELS/DOCs AGREE	
[illegible]	8/26/97	1300				TEMPERATURE AT TIME OF RECEIPT ___ °C	

REMARKS:

Charge # CB0320AN

Project PU&D

Shipping Requirements: Overnight Delivery ☒ 2-Day Delivery ☐ Air Bill No.

APO COC 8/5/97

9708-324

1 of 2

SAMPLERS (Signature) M R WOOD

REPORT IDENTIFICATION NUMBER (RIN) 97A2442

LAB/LOCATION: PARAGON

RFETS CONTRACTOR RMRS

ROCKY FLATS
ENVIRONMENTAL TECHNOLOGY SITE
CHAIN OF CUSTODY RFP901562

	DATE	TIME	EVENT	BOTTLE	USER ID	LOCATION	CONTAINER	MATRIX	Cooled to 4°C	NaOH	HNO3	H2SO4	HCl			SS01_B006 mod lcnl 8260		SS01_B005 8260									
01	8/25/97	1050	001	001	GW17002RM	BH17997	40mLG	W	X				X					U									
		1050	001	002	↓		↓	↓	X				X														
02		1052	002	003	GW17003RM			W	X				X					U									
		1052	002	004					X				X														
03		1000	003	005	GW17004RM				X				X					U									
		↓	003	006					X				X														
04		1100	004	007	GW17005RM				X				X					U									
		↓	004	008		↓	↓	↓	X				X														
05		1107	006	010	BH17028RM	BH18097	Core	S	X							U											
06		1110	007	011	BH17029RM	BH18097	↓	↓	X							U											
		1342	008	012	GW17006RM		40mLG	W	X				X					U									
07	↓	↓	008	013	↓	↓			X				X														

Relinquished By:	Date	Time	Received By/Organization	Date	Time		
Mark Wood	8/26/97	0845	T891C Refrig	8/26/97	0845	PCKG RECD/CUSTODY SEALS INTACT	
T891C Refrig	8/26/97	1110	[illegible]	8/26/97	1110	SAMPLE LABELS/COCs AGREE	
[illegible]	8/26/97	1130	[illegible]	8/26/97	1130	TEMPERATURE AT TIME OF RECEIPT ___°C	
[illegible]	8/26/97	1300	[illegible]	8/26/97	1300		

REMARKS:

Charge #

Project # PU&D

Requi[illegible]ivery time: Overnight Delivery ☒ 2-Day Delivery ☐ Air Bi[illegible]

APO COC DRAFT 5/15/97

9708-324

2 of 2

SAMPLERS (Signature) M R. WOOD

REPORT IDENTIFICATION NUMBER (RIN) 97A244Z

LAB/LOCATION: Paragon

RFETS CONTRACTOR RMRS

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE CHAIN OF CUSTODY RFP901562

	DATE	TIME	EVENT	BOTTLE	USER ID	LOCATION	CONTAINER	MATRIX	Cooled to 4°C	NaOH	HNO3	H2SO4	HCl			SS01B006	Med level 8260	SS01_B005	8260									
008	8/25/97	1507	012	017	BH17030RM	BH18197	Core	S	X							M												
009	↓	1600	014	019	BH17007RM	BH18197	40mLG	W	X				X					M										
	↓	↓	↓	020	↓	↓	↓	↓	X				X															

Rec 8/26/97

Relinquished By:	Date	Time	Received By/Organization	Date	Time
Merle Wood	8/26/97	0845	T891C Refrig	8/26/97	0845
T891C Refrig	8/26/97	1110	[illegible]	8/26/97	1110
[illegible]	8/26/97	1130	[illegible]	8/26/97	1130
[illegible]	8/26/97	1300	[illegible]	8/26/97	1030

LABORATORY USE ONLY	
PCKG REC'D/CUSTODY SEALS INTACT	
SAMPLE LABELS/COCs AGREE	
TEMPERATURE AT TIME OF RECEIPT ___°C	

REMARKS:

Charge #

Project # P4 & D

Required delivery time: Overnight Delivery ☒ 2-Day Delivery ☐ Air Bill No. _____

APO COC DRAFT 5/15/97

SEP 03 '97 12:45PM PARAGON ANALYTICS INCORPORATED P.54

SAMPLERS (Signature) MRWOOD / / 97-09-002

REPORT IDENTIFICATION NUMBER (RIN) 97A2443 LAB/LOCATION: Paragon

RFETS CONTRACTOR RMRS

ROCKY FLATS
ENVIRONMENTAL TECHNOLOGY SITE
CHAIN OF CUSTODY NUMBER RFP901563

DATE	TIME	EVENT	BOTTLE	USER ID	LOCATION	CONTAINER	MATRIX	Dissolved O2	Metals	Metals	Metals	Metals	Radioactivity	SS018260 Bond Level	SS018260	SS018005 8260										
8/27/97	0840	001	001	B#17031RM	B#18397	40mLG	W	X			X				R											01
	0840	↓	002	↓		40mLG	↓	X			X															
	1017	002	003	B#17032RM	↓	Core	S	X						U												02
	1152	004	005	B#17033RM	B#18397	↓	↓	X						U												03
	1422	006	007	B#17034RM	B#18497	↓	↓	X						U												04
	1445	007	008	B#17035RM		40mLG	W	X			X				R											05
↓	↓	↓	009	↓	↓	↓	W	X			X															

8/28/97

Relinquished By:	Date	Time	Received By/Organization	Date	Time	CONDITION OF RECEIPT	Y/N
Mark Wood	8/27/97	1610	T891C Refrig	8/27/97	1610	PCK3 REC'D/CUSTODY SEALS INTACT	Y
T891C Refrig	8/28/97	0815	Rachel Miller	8/28/97	0815	SAMPLE LABELS/COCs AGREE	Y
Rachel Miller	8/28/97	0906	J Nancy	8/28/97	0906	TEMPERATURE AT TIME OF RECEIPT 6 °C	
J Nancy	8/28/97	0920	Rachel Miller	8/28/97	0920		
REMARKS Rachel Miller	8/28/97	1240	T891 Refrig	8/28/97	1240	Charge # CB032DAN	
T891C Refrig	8/28/97	1040	Rachel Miller	9/2/97	1040	Project DU4D	

Shipping Requirements: Overnight Delivery ☒ 2-Day Delivery ☐ Air Bill No. FedX 03 9/2/97

Rachel Miller 9/2/97 1050 / 9/2/97 1300

9/2/97 1000 / Hand Delivery

S Bagley PAI 9/2/97 1300

APO COC 8/5/97

SEP 09 '97 09:16AM PARAGON ANALYTICS INCORPORATED P.47

SAMPLERS (Signature) MR WOOD / 97-09-003

REPORT IDENTIFICATION NUMBER (RIN) 97A2444 LAB/LOCATION: Paragon

RFETS CONTRACTOR RMRS

ROCKY FLATS
ENVIRONMENTAL TECHNOLOGY SITE
CHAIN OF CUSTODY NUMBER RFP901566

DATE	TIME	EVENT	BOTTLE	USER ID	LOCATION	CONTAINER	MATRIX	Dissolved Metals	Metals	Hexavalent Chromium	Cyanide	Tritium	8270	3501B006	mod 8240	3501B005	8260		
8/26/97	1125	001	001	BH17036RM	BH18597	40mLG	W	X			X					R			01
↓	↓	001	002	↓	↓	↓	W	X			X								
	1205	002	003	BH17037RM	↓	Core	S	X						U					-02
↓	1313	004	005	BH17038RM	BH18697	Core	S	X						U					-03

CB 8/29/97

Relinquished By:	Date	Time	Received By/Organization	Date	Time	SAMPLE RECEIPT CONDITIONS	STC
Mark Wood	8/29/97	1000	[illegible]	8/29/97	1000	PCKG REC'D/CUSTODY SEALS INTACT	Y
[illegible]	9/2/97	1050	[illegible]	9/2/97	1050	SAMPLE LABELS/COCs AGREE	Y
[illegible]	9/2/97	1300	[illegible]	9/2/97	1300	TEMPERATURE AT TIME OF RECEIPT 6 °C	

REMARKS:

Charge # CB0320AN

Project PU+D

Shipping Requirements: Overnight Delivery ☑ 2-Day Delivery ☐ Air Bill No.

Hand Deliver

APO COC 8/5/97

P.67

97-09-017 1 of 1

SAMPLERS (Signature) M R WOOD

REPORT IDENTIFICATION NUMBER (RIN) 97A2445

LAB/LOCATION: Paragon

RFETS CONTRACTOR RMRS

ROCKY FLATS
ENVIRONMENTAL TECHNOLOGY SITE
CHAIN OF CUSTODY NUMBER RFP 901567

DATE	TIME	EVENT	BOTTLE	USER ID	LOCATION	CONTAINER	MATRIX	Cadmium	Iron	Lead	Hexavalent Cr	Tin	8010	SS01B005	Mod Iced 8260	SS01B005 8260									
9/2/97	0915	001	001	BH17039RM	BH18797	40mLG	W	X			X					R									
	↓	↓	002	↓	↓	↓	↓	X			X														01
	0950	003	004	BH17041RM	BH18797	core	S	X						"											02
	1027	004	005	BH17042RM	BH18797			X						"											03
	1105	002	003	BH17040RM	BH18797			X						"											04
	1140	005	006	BH17043RM	BH18797			X						"											05
	1411	007	008	BH17044RM	BH18897			X						"											06
	1438	008	009	BH17045RM	BH18897			X						"											07
↓	1512	009	010	BH17046RM	BH18897	↓	↓	X						"											08
↓	1540	010	011	BH17047RM	BH18897	↓	↓	X						"											09
				9/3/97																					

Relinquished By:	Date	Time	Received By/Organization	Date	Time	
Mark Wood	9/2/97	1615	T89/C Refrig	9/2/97	1615	PCKG REC'D/CUSTODY SEALS INTACT
T89/C Refrig	9/3/97	0835	[illegible]	9/3/97	0835	SAMPLE LABELS/COCs AGREE
[illegible]	9/3/97	0945	[illegible]	9/3/97	0850	TEMPERATURE AT TIME OF RECEIPT 3 °C
[illegible]	9/3/97	0855	[illegible]	9/3/97	0855	

REMARKS: 3 day TAT 3/11

Charge #

Relinquished by [illegible] 9/3/97 @ 1030 Received by [illegible] 9/3/97 @ 1030

Project PU & D

Shipping Requirements: Overnight Delivery ☐ 2-Day Delivery ☐ Air Bill No. HAND DELIVERED

APO COC 8/5/97

SAMPLERS (Signature) MR WOOD , 97-09-038

REPORT IDENTIFICATION NUMBER (RIN) 97A 2446 LAB/LOCATION: Paragon

RFETS CONTRACTOR RMRS

ROCKY FLATS
ENVIRONMENTAL TECHNOLOGY SITE
CHAIN OF CUSTODY NUMBER RFP901570

DATE	TIME	EVENT	BOTTLE	USER ID	LOCATION	CONTAINER	MATRIX	Cooled to 4°C	HNO3	NaOH	H2SO4	HCl		SS01B005 YTA 8260										
9/3/97	0920	001	001	GW17008Rm	B118897	40mLG	W	X				X		R										
	↓	↓	002	↓			W	X				X												
	0930	002	003	GW17009Rm			GW	X				X		U										
↓	↓	↓	004	↓	↓	↓	GW	X				X												

01

02

CB 9/3/97

Relinquished By:	Date	Time	Received By/Organization	Date	Time	LABORATORY USE ONLY	
Mark Wood	9/3/97	1000	T891C Refrig	9/3/97	1000	PCKG REC'D/CUSTODY SEALS INTACT	
T891C Refrig	9-3-97	1335	Kirsten Kelly	9-3-97	1335	SAMPLE LABELS/COCs AGREE	
Kirsten Kelly	9-3-97	1345	T891R K Mahr	9-3-97	13:45	TEMPERATURE AT TIME OF RECEIPT 5 °C	
K. Mahr	9-3-97	13:50	S Bayly	9/4/97	1030		

REMARKS: FAX

Charge # CB0320IN

Project PU&D

4336 4380 9469

Shipping Requirements: Overnight Delivery ☒ 2-Day Delivery ☐ Air Bill No.

APO COC 6/5/97

Fed X

97-09.112

1 of 1

SAMPLERS (Signature) MR Wood

REPORT IDENTIFICATION NUMBER (RIN) 97A2447

LAB/LOCATION Paragon

RFETS CONTRACTOR RMRS

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE CHAIN OF CUSTODY NUMBER RFP901569

DATE	TIME	EVENT	BOTTLE	USER ID	LOCATION	CONTAINER	MATRIX	Comments	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	SS01B095 8260	SS01B096 Metals Level 8260	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
9-4-97	0900	001	001	BH17048RM	BH18997	40ml	W	X			X			R									
9-4-97	0900	001	002	BH17048RM	BH18997	40ml	W	X			X												
9-4-97	0958	002	003	BH17048RM	BH18997	Core	S	X															
9-4-97	1015	003	005	BH17050RM	BH18997	Core	S	X															
9-4-97	1110	004	007	BP17002RM	BH18997	KMK 9-4-97	S																

CB 9/9/97

Relinquished By:	Date	Time	Received By/Organization	Date	Time		
Mark Wood	9/4/97	1150	Kristi Kelly	9-4-97	1150	FORMS REC'D/CUSTODY SEALS INTACT	
Kristi Kelly	9-9-97	1100	R. Moore	9-9-97	11:50	SAMPLE LABELS/COCs AGREE	
R Moore	9-9-97	13:20	Don Sepeda	9/9/97	13:20	TEMPERATURE AT TIME OF RECEIPT ___ °C	

REMARKS:

Charge # CB0320EN

Project PU+D

Shipping Requirements: Overnight Delivery ☐ 2-Day Delivery ☐ Air Bill No.

Hand Carry

* 7 day TA

APO COC 8/5/97

VOLATILE ORGANICS
Method 8260

Lab Name: Paragon Analytics, Inc.
Client Name: Kaiser-Hill Co., L.L.C.
Client Project ID: Rocky Flats E.T.S. RIN 97A2457
Lab Sample ID: 9708223-1
Sample Matrix: Soil
Sample Weight: 0.04 g

Sample ID: BH17000RM

Date Collected: 08-18-97
Date Analyzed: 08-25-97
Dilution Factor 125
Percent Moisture: 0

Analyte	Conc. (ug/kg)	Reporting Limit (ug/kg)
Dichlorodifluoromethane	ND	1250
Chloromethane	ND	1250
Vinyl chloride	ND	1250
Bromomethane	ND	1250
Chloroethane	ND	1250
Trichlorofluoromethane	ND	625
1,1-Dichloroethene	ND	625
Trichlorotrifluoroethane	ND	625
Acetone	ND	2500
Iodomethane	ND	625
Carbon Disulfide	ND	625
Methylene chloride	620 J	625
trans-1,2-Dichloroethene	ND	625
1,1-Dichloroethane	ND	625
Methyl-t-butyl-ether	ND	625
Vinyl acetate	ND	625
cis-1,2-Dichloroethene	ND	625
2-Butanone	ND	2500
Bromochloromethane	ND	625
Chloroform	ND	625
1,1,1-Trichloroethane	ND	625
2,2-Dichloropropane	ND	625
Carbon tetrachloride	ND	625
1,1-Dichloropropene	ND	625
1,2-Dichloroethane	ND	625
Benzene	ND	625
Trichloroethene	ND	625
1,2-Dichloropropane	ND	625
Dibromomethane	ND	625
Bromodichloromethane	ND	625
2-Chloroethyl vinyl ether	ND	1250
cis-1,3-Dichloropropene	ND	625
4-Methyl-2-Pentanone	ND	2500
Toluene	ND	625
trans-1,3-Dichloropropene	ND	625
1,1,2-Trichloroethane	ND	625

VOLATILE ORGANICS
Method 8260

Lab Name: Paragon Analytics, Inc.
Client Name: Kaiser-Hill Co., L.L.C.
Lab Sample ID: 9708223-1

Sample ID: BH17000RM

Analyte	Conc. (ug/kg)	Reporting Limit (ug/kg)
2-Hexanone	ND	2500
Tetrachloroethene	ND	625
1,3-Dichloropropane	ND	625
Dibromochloromethane	ND	625
1,2-Dibromoethane	ND	625
Chlorobenzene	ND	625
1,1,1,2-Tetrachloroethane	ND	625
Ethylbenzene	ND	625
m,p-Xylene	ND	625
o-Xylene	ND	625
Styrene	ND	625
Bromoform	ND	625
Isopropylbenzene	ND	625
1,2,3-Trichloropropane	ND	625
1,1,2,2-Tetrachloroethane	ND	625
Bromobenzene	ND	625
n-Propylbenzene	ND	625
2-Chlorotoluene	ND	625
1,3,5-Trimethylbenzene	ND	625
4-Chlorotoluene	ND	625
tert-Butylbenzene	ND	625
1,2,4-Trimethylbenzene	ND	625
sec-Butylbenzene	ND	625
1,3-Dichlorobenzene	ND	625
p-Isopropyltoluene	ND	625
1,4-Dichlorobenzene	ND	625
n-Butylbenzene	ND	625
1,2-Dichlorobenzene	ND	625
1,2-Dibromo-3-chloropropane	ND	1250
1,2,4-Trichlorobenzene	ND	625
Hexachlorobutadiene	ND	625
Naphthalene	ND	625
1,2,3-Trichlorobenzene	ND	625

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
Dibromofluoromethane	91	76-127
Toluene-d8	103	83-115
Bromofluorobenzene	98	74-134

ND = Not Detected

VOLATILE ORGANICS
Method 8260

Sample ID
BH17001RM

Lab Name: Paragon Analytics, Inc.
Client Name: Kaiser-Hill Co., L.L.C.
Client Project ID: Rocky Flats E.T.S. RIN 97A2437
Lab Sample ID: 9708223-2
Sample Matrix: Soil
Sample Weight: 0.04 g

Date Collected: #REF!
Date Analyzed: 08-25-97
Dilution Factor 125
Percent Moisture: 0

Analyte	Conc. (ug/kg)	Reporting Limit (ug/kg)
Dichlorodifluoromethane	ND	1250
Chloromethane	ND	1250
Vinyl chloride	ND	1250
Bromomethane	ND	1250
Chloroethane	ND	1250
Trichlorofluoromethane	ND	625
1,1-Dichloroethene	ND	625
Trichlorotrifluoroethane	ND	625
Acetone	ND	2500
Iodomethane	ND	625
Carbon Disulfide	ND	625
Methylene chloride	664	625
trans-1,2-Dichloroethene	ND	625
1,1-Dichloroethane	ND	625
Methyl-t-butyl-ether	ND	625
Vinyl acetate	ND	625
cis-1,2-Dichloroethene	ND	625
2-Butanone	ND	2500
Bromochloromethane	ND	625
Chloroform	ND	625
1,1,1-Trichloroethane	ND	625
2,2-Dichloropropane	ND	625
Carbon tetrachloride	ND	625
1,1-Dichloropropene	ND	625
1,2-Dichloroethane	ND	625
Benzene	ND	625
Trichloroethene	ND	625
1,2-Dichloropropane	ND	625
Dibromomethane	ND	625
Bromodichloromethane	ND	625
2-Chloroethyl vinyl ether	ND	1250
cis-1,3-Dichloropropene	ND	625
4-Methyl-2-Pentanone	ND	2500
Toluene	ND	625
trans-1,3-Dichloropropene	ND	625
1,1,2-Trichloroethane	ND	625

VOLATILE ORGANICS
Method 8260

Lab Name: Paragon Analytics, Inc.
Client Name: Kaiser-Hill Co., L.L.C.
Lab Sample ID: 9708223-2

Sample ID: BH17001RM

Analyte	Conc. (ug/kg)	Reporting Limit (ug/kg)
2-Hexanone	ND	2500
Tetrachloroethene	ND	625
1,3-Dichloropropane	ND	625
Dibromochloromethane	ND	625
1,2-Dibromoethane	ND	625
Chlorobenzene	ND	625
1,1,1,2-Tetrachloroethane	ND	625
Ethylbenzene	ND	625
m,p-Xylene	ND	625
o-Xylene	ND	625
Styrene	ND	625
Bromoform	ND	625
Isopropylbenzene	ND	625
1,2,3-Trichloropropane	ND	625
1,1,2,2-Tetrachloroethane	ND	625
Bromobenzene	ND	625
n-Propylbenzene	ND	625
2-Chlorotoluene	ND	625
1,3,5-Trimethylbenzene	ND	625
4-Chlorotoluene	ND	625
tert-Butylbenzene	ND	625
1,2,4-Trimethylbenzene	ND	625
sec-Butylbenzene	ND	625
1,3-Dichlorobenzene	ND	625
p-Isopropyltoluene	ND	625
1,4-Dichlorobenzene	ND	625
n-Butylbenzene	ND	625
1,2-Dichlorobenzene	ND	625
1,2-Dibromo-3-chloropropane	ND	1250
1,2,4-Trichlorobenzene	ND	625
Hexachlorobutadiene	ND	625
Naphthalene	ND	625
1,2,3-Trichlorobenzene	ND	625

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
Dibromofluoromethane	93	76-127
Toluene-d8	105	83-115
Bromofluorobenzene	99	74-134

ND = Not Detected

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440
Reported on: Wednesday, September 03, 19

BH17002RM
9708321-3

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 21-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	5	ug/L	5	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440
Reported on: Wednesday, September 03, 19

BH17002RM	Sample Matrix: liquid	Date Collected: 21-Aug-97	Sample Aliquot: 5
9708321-3	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08324	

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Wednesday, September 03, 19

[redacted]	BH17002RM	Sample Matrix: liquid	Date Collected: 21-Aug-97	Sample Aliquot:	5
[redacted]	9708321-3	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08324		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	47.9	ug/l	50	96	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	46.5	ug/l	50	93	85 - 115
2037-26-5	TOLUENE-D8	52	ug/l	50	104	88 - 110

U = Less than the Reporting Limit

VOLATILE ORGANICS
Method 8260

Sample ID
BH17003RM

Lab Name: Paragon Analytics, Inc.
Client Name: Kaiser-Hill Co., L.L.C.
Client Project ID: Rocky Flats E.T.S. RIN 97A2437
Lab Sample ID: 9708223-3
Sample Matrix: Soil
Sample Weight: 0.04 g

Date Collected: 08-18-97
Date Analyzed: 08-25-97
Dilution Factor 125
Percent Moisture: 0

Analyte	Conc. (ug/kg)	Reporting Limit (ug/kg)
Dichlorodifluoromethane	ND	1250
Chloromethane	ND	1250
Vinyl chloride	ND	1250
Bromomethane	ND	1250
Chloroethane	ND	1250
Trichlorofluoromethane	ND	625
1,1-Dichloroethene	ND	625
Trichlorotrifluoroethane	ND	625
Acetone	ND	2500
Iodomethane	ND	625
Carbon Disulfide	ND	625
Methylene chloride	685	625
trans-1,2-Dichloroethene	ND	625
1,1-Dichloroethane	ND	625
Methyl-t-butyl-ether	ND	625
Vinyl acetate	ND	625
cis-1,2-Dichloroethene	ND	625
2-Butanone	ND	2500
Bromochloromethane	ND	625
Chloroform	ND	625
1,1,1-Trichloroethane	ND	625
2,2-Dichloropropane	ND	625
Carbon tetrachloride	ND	625
1,1-Dichloropropene	ND	625
1,2-Dichloroethane	ND	625
Benzene	ND	625
Trichloroethene	ND	625
1,2-Dichloropropane	ND	625
Dibromomethane	ND	625
Bromodichloromethane	ND	625
2-Chloroethyl vinyl ether	ND	1250
cis-1,3-Dichloropropene	ND	625
4-Methyl-2-Pentanone	ND	2500
Toluene	ND	625
trans-1,3-Dichloropropene	ND	625
1,1,2-Trichloroethane	ND	625

VOLATILE ORGANICS
Method 8260

Lab Name: Paragon Analytics, Inc.
Client Name: Kaiser-Hill Co., L.L.C.
Lab Sample ID: 9708223-3

Sample ID
SH17003RM

Analyte	Conc. (ug/kg)	Reporting Limit (ug/kg)
2-Hexanone	ND	2500
Tetrachloroethene	ND	625
1,3-Dichloropropane	ND	625
Dibromochloromethane	ND	625
1,2-Dibromoethane	ND	625
Chlorobenzene	ND	625
1,1,1,2-Tetrachloroethane	ND	625
Ethylbenzene	ND	625
m,p-Xylene	ND	625
o-Xylene	ND	625
Styrene	ND	625
Bromoform	ND	625
Isopropylbenzene	ND	625
1,2,3-Trichloropropane	ND	625
1,1,2,2-Tetrachloroethane	ND	625
Bromobenzene	ND	625
n-Propylbenzene	ND	625
2-Chlorotoluene	ND	625
1,3,5-Trimethylbenzene	ND	625
4-Chlorotoluene	ND	625
tert-Butylbenzene	ND	625
1,2,4-Trimethylbenzene	ND	625
sec-Butylbenzene	ND	625
1,3-Dichlorobenzene	ND	625
p-Isopropyltoluene	ND	625
1,4-Dichlorobenzene	ND	625
n-Butylbenzene	ND	625
1,2-Dichlorobenzene	ND	625
1,2-Dibromo-3-chloropropane	ND	1250
1,2,4-Trichlorobenzene	ND	625
Hexachlorobutadiene	ND	625
Naphthalene	ND	625
1,2,3-Trichlorobenzene	ND	625

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
Dibromofluoromethane	94	76-127
Toluene-d8	103	83-115
Bromofluorobenzene	100	74-134

ND = Not Detected

VOLATILE ORGANICS
Method 8260

Sample ID: BH17004RM

Lab Name: Paragon Analytics, Inc.
Client Name: Kaiser-Hill Co., L.L.C.
Client Project ID: Rocky Flats E.T.S. RIN 97A2437
Lab Sample ID: 9708223-4
Sample Matrix: Soil
Sample Weight: 0.04 g

Date Collected: 08-18-97
Date Analyzed: 08-25-97
Dilution Factor 125
Percent Moisture: 0

Analyte	Conc. (ug/kg)	Reporting Limit (ug/kg)
Dichlorodifluoromethane	ND	1250
Chloromethane	ND	1250
Vinyl chloride	ND	1250
Bromomethane	ND	1250
Chloroethane	ND	1250
Trichlorofluoromethane	ND	625
1,1-Dichloroethene	ND	625
Trichlorotrifluoroethane	ND	625
Acetone	ND	2500
Iodomethane	ND	625
Carbon Disulfide	ND	625
Methylene chloride	689	625
trans-1,2-Dichloroethene	ND	625
1,1-Dichloroethane	ND	625
Methyl-t-butyl-ether	ND	625
Vinyl acetate	ND	625
cis-1,2-Dichloroethene	ND	625
2-Butanone	ND	2500
Bromochloromethane	ND	625
Chloroform	ND	625
1,1,1-Trichloroethane	ND	625
2,2-Dichloropropane	ND	625
Carbon tetrachloride	ND	625
1,1-Dichloropropene	ND	625
1,2-Dichloroethane	ND	625
Benzene	ND	625
Trichloroethene	ND	625
1,2-Dichloropropane	ND	625
Dibromomethane	ND	625
Bromodichloromethane	ND	625
2-Chloroethyl vinyl ether	ND	1250
cis-1,3-Dichloropropene	ND	625
4-Methyl-2-Pentanone	ND	2500
Toluene	ND	625
trans-1,3-Dichloropropene	ND	625
1,1,2-Trichloroethane	ND	625

VOLATILE ORGANICS
Method 8260

Lab Name: Paragon Analytics, Inc.
Client Name: Kaiser-Hill Co., L.L.C.
Lab Sample ID: 9708223-4

Sample ID
BH17004RM

Analyte	Conc. (ug/kg)	Reporting Limit (ug/kg)
2-Hexanone	ND	2500
Tetrachloroethene	ND	625
1,3-Dichloropropane	ND	625
Dibromochloromethane	ND	625
1,2-Dibromoethane	ND	625
Chlorobenzene	ND	625
1,1,1,2-Tetrachloroethane	ND	625
Ethylbenzene	ND	625
m,p-Xylene	ND	625
o-Xylene	ND	625
Styrene	ND	625
Bromoform	ND	625
Isopropylbenzene	ND	625
1,2,3-Trichloropropane	ND	625
1,1,2,2-Tetrachloroethane	ND	625
Bromobenzene	ND	625
n-Propylbenzene	ND	625
2-Chlorotoluene	ND	625
1,3,5-Trimethylbenzene	ND	625
4-Chlorotoluene	ND	625
tert-Butylbenzene	ND	625
1,2,4-Trimethylbenzene	ND	625
sec-Butylbenzene	ND	625
1,3-Dichlorobenzene	ND	625
p-Isopropyltoluene	ND	625
1,4-Dichlorobenzene	ND	625
n-Butylbenzene	ND	625
1,2-Dichlorobenzene	ND	625
1,2-Dibromo-3-chloropropane	ND	1250
1,2,4-Trichlorobenzene	ND	625
Hexachlorobutadiene	ND	625
Naphthalene	ND	625
1,2,3-Trichlorobenzene	ND	625

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
Dibromofluoromethane	89	76-127
Toluene-d8	104	83-115
Bromofluorobenzene	96	74-134

ND = Not Detected

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

[redacted] BH17006RM	Sample Matrix: Solid	Date Collected: 20-Aug-97	Sample Aliquot: 4
[redacted] 9708320-6	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume: 10
	Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution: 50
	Report Basis: AS RECEIVED	Prep Batch: v08320	

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	330	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

Client ID: BH17005RM
Lab ID: 9708320-6

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 20-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

[redacted]	BH17005RM	Sample Matrix: Solid	Date Collected: 20-Aug-97	Sample Aliquot:	4
[redacted]	9708320-6	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08320		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	46.4	ug/kg	50	93	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	48	ug/kg	50	96	76 - 127
2037-26-5	TOLUENE-D8	54.7	ug/kg	50	109	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708223
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2437

Reported on: Tuesday, September 16, 1997

Client ID:	BH17008RM	Sample Matrix: Liquid	Date Collected: 18-Aug-97	Sample Aliquot:	5
Lab ID:	9708223-5	% Moisture: N/A	Date Extracted: 25-Aug-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 25-Aug-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08223		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	7.3	ug/L	100	J	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	4.1	ug/L	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708223
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2437
Reported on: Tuesday, September 18, 1997

BH17008RM	Sample Matrix: Liquid	Date Collected: 18-Aug-97	Sample Aliquot: 5
9708223-5	% Moisture: N/A	Date Extracted: 25-Aug-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 25-Aug-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08223	

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	2.2	ug/L	5	J	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708223
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2437

Reported on: Tuesday, September 16, 1997

Client ID:	BH17006RM	Sample Matrix: Liquid	Date Collected: 18-Aug-97	Sample Aliquot:	5
Lab ID:	9708223-5	% Moisture: N/A	Date Extracted: 25-Aug-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 25-Aug-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08223		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.7	ug/L	50	99	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	49.6	ug/L	50	99	76 - 127
2037-26-5	TOLUENE-D8	50.7	ug/L	50	101	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708223
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2437

Reported on: Tuesday, September 16, 1997

Client ID:	BH17006RM	Sample Matrix: Liquid	Date Collected: 18-Aug-97	Sample Aliquot:	5
Lab ID:	9708223-5	% Moisture: N/A	Date Extracted: 25-Aug-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 25-Aug-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08223		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2438

Reported on: Friday, August 29, 1997

Client ID: BH17007RM
Lab ID: 9708299-1

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 19-Aug-97
Date Extracted: 28-Aug-97
Date Analyzed: 28-Aug-97
Prep Batch: v08269

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	1600	ug/kg	630	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Pentagon Analytical, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2438

Reported on: Friday, August 29, 1997

Field ID: BH17007RM
Lab ID: 9708299-1

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 18-Aug-97
Date Extracted: 28-Aug-97
Date Analyzed: 28-Aug-97
Prep Batch: V08299

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2436

Reported on: Friday, August 29, 1997

Client ID:	BH17907RM	Sample Matrix: Solid	Date Collected: 19-Aug-97	Sample Aliquot:	4
Lab ID:	9708299-1	% Moisture: N/A	Date Extracted: 28-Aug-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 28-Aug-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08299		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.5	ug/kg	50	99	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	51.2	ug/kg	50	102	76 - 127
2037-26-5	TOLUENE-D8	51.7	ug/kg	50	103	83 - 118

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN 667A2436

Reported on: Friday, August 29, 1997

[redacted]	Sample Matrix: Solid	Date Collected: 19-Aug-97	Sample Aliquot: 4
Lab ID: 9708299-1	% Moisture: N/A	Date Extracted: 26-Aug-97	Final Volume: 10
	Cleanup Method: NONE	Date Analyzed: 28-Aug-97	Dilution: 50
	Report Basis: DRY WEIGHT	Prep Batch: v08299	

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2438

Reported on: Friday, August 29, 1997

[illegible] SH170dRM	Sample Matrix: Solid	Date Collected: 19-Aug-97	Sample Aliquot:	4
[illegible] 9708299-2	% Moisture: N/A	Date Extracted: 28-Aug-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 28-Aug-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v08299		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	1400	ug/kg	630	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2438

Reported on: Friday, August 29, 1997

Field ID:	SH17008RM
Lab ID:	9708299-3

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 19-Aug-97
Date Extracted: 28-Aug-97
Date Analyzed: 28-Aug-97
Prep Batch: v08299

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: RIN #97A2438

Reported on: Friday, August 29, 1997

Client ID:	BH17008RM	Sample Matrix: Solid	Date Collected: 18-Aug-97	Sample Aliquot:	4
Lab ID:	9708299-2	% Moisture: N/A	Date Extracted: 28-Aug-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 28-Aug-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08299		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.8	ug/kg	50	100	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	51.9	ug/kg	50	104	76 - 127
2037-26-5	TOLUENE-D8	52.5	ug/kg	50	105	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: RIN #97A2438

Reported on: Friday, August 29, 1997

Client ID:	SH17006RM	Sample Matrix: Solid	Date Collected: 19-Aug-97	Sample Aliquot:	4
Lab ID:	9708299-2	% Moisture: N/A	Date Extracted: 28-Aug-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 28-Aug-97	Dilution:	50
		Report Basis: DRY WEIGHT	Prep Batch: v08299		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: R/N #97A2435
Reported on: Friday, August 29, 1997

Field ID: BH17009RM
Lab ID: 9708299-3

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 19-Aug-97
Date Extracted: 25-Aug-97
Date Analyzed: 25-Aug-97
Prep Batch: v08298

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	1300	ug/kg	630	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2456
Reported on: Friday, August 29, 1997

Client Sample ID: SH17006RM	Sample Matrix: Solid	Date Collected: 19-Aug-97	Sample Aliquot:	4
Lab Sample ID: 9708299-3	% Moisture: N/A	Date Extracted: 26-Aug-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 28-Aug-97	Dilution:	60
	Report Basis: AS RECEIVED	Prep Batch: v08299		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
Client Project ID: RIN 997A2436

Reported on: Friday, August 29, 1997

Field ID: BH17009RM
Lab ID: 9708299-3

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 19-Aug-97
Date Extracted: 28-Aug-97
Date Analyzed: 28-Aug-97
Prep Batch: v08299

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	52.9	ug/kg	50	106	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	49.5	ug/kg	50	99	76 - 127
2037-26-5	TOLUENE-D8	47.9	ug/kg	50	96	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2438

Reported on: Friday, August 29, 1997

Field ID: [illegible]
Lab ID: 9708299-3

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: DRY WEIGHT

Date Collected: 18-Aug-97
Date Extracted: 28-Aug-97
Date Analyzed: 28-Aug-97
Prep Batch: v08299

Sample Aliquot: 4
Final Volume: 10
Dilution: 60

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260.

Lab Name: Paragon Analytics, Inc.
Work Order Number: 8706299
Client Name: Kaiser-Hill Co., L.L.C.
Client Project ID: RIN #97A2438

Reported on: Friday, August 29, 1997

Client Sample ID: SH17010RM
Lab Sample ID: 8706299-1

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 19-Aug-97
Date Extracted: 28-Aug-97
Date Analyzed: 28-Aug-97
Prep Batch: v08299

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	1600	ug/kg	630	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: RIN #97A2438

Reported on: Friday, August 29, 1997

Field ID: BH17010RM
Lab ID: 9708299-4

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 19-Aug-97
Date Extracted: 28-Aug-97
Date Analyzed: 28-Aug-97
Prep Batch: v08299

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
103-65-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN 897A2438

Reported on: Friday, August 29, 1997

[redacted]	Sample Matrix: Solid	Date Collected: 19-Aug-97	Sample Aliquot:	4
[redacted]	% Moisture: N/A	Date Extracted: 28-Aug-97	Final Volume:	10
[redacted]	Cleanup Method: NONE	Date Analyzed: 28-Aug-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v08299		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50.9	ug/kg	50	102	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	48.1	ug/kg	50	96	76 - 127
2037-26-5	TOLUENE-D8	51.5	ug/kg	50	103	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: RIN 697A2435

Reported on: Friday, August 29, 1997

[redacted]
[redacted]

Sample Matrix: Solid	Date Collected: 19-Aug-97	Sample Aliquot:	4
% Moisture: N/A	Date Extracted: 28-Aug-97	Final Volume:	10
Cleanup Method: NONE	Date Analyzed: 28-Aug-97	Dilution:	50
Report Basis: DRY WEIGHT	Prep Batch: v08299		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN 897A2438
Reported on: Friday, August 29, 1997

Sample ID: BH17011RM
Lab ID: 9708299-5

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 18-Aug-97
Date Extracted: 28-Aug-97
Date Analyzed: 28-Aug-97
Prep Batch: v06299

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	5	U	
74-87-3	CHLOROMETHANE	5	ug/l	5	U	
75-01-4	VINYL CHLORIDE	5	ug/l	5	U	
74-83-9	BROMOMETHANE	5	ug/l	5	U	
75-00-3	CHLOROETHANE	5	ug/l	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/l	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/l	5	U	
67-64-1	ACETONE	100	ug/l	100	U	
75-15-0	CARBON DISULFIDE	5	ug/l	5	U	
75-09-2	METHYLENE CHLORIDE	4.8	ug/l	5	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/l	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/l	5	U	
78-93-3	2-BUTANONE	100	ug/l	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/l	5	U	
67-66-3	CHLOROFORM	5	ug/l	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/l	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/l	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/l	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/l	5	U	
71-43-2	BENZENE	5	ug/l	5	U	
79-01-6	TRICHLOROETHENE	5	ug/l	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/l	5	U	
74-95-3	DIBROMOMETHANE	5	ug/l	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/l	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/l	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/l	50	U	
108-88-3	TOLUENE	5	ug/l	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/l	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/l	5	U	
591-78-6	2-HEXANONE	50	ug/l	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/l	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN 697A2438
Reported on: Friday, August 29, 1997

Field ID: BH17011RM
Lab ID: 9708299-5

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 18-Aug-97
Date Extracted: 28-Aug-97
Date Analyzed: 28-Aug-97
Prep Batch: v08299

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

142-28-9	1,3-DICHLOROPROPANE	5	ug/l	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/l	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/l	5	U	
108-90-7	CHLOROBENZENE	5	ug/l	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l	5	U	
100-41-4	ETHYLBENZENE	5	ug/l	5	U	
1330-20-7	TOTAL XYLENES	5	ug/l	5	U	
100-42-5	STYRENE	5	ug/l	5	U	
75-25-2	BROMOFORM	5	ug/l	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/l	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/l	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	5	U	
108-86-1	BROMOBENZENE	5	ug/l	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/l	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/l	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/l	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/l	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/l	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/l	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/l	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/l	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/l	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/l	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/l	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/l	5	U	
91-20-3	NAPHTHALENE	9.1	ug/l	5	J	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: RIN #97A2436

Reported on: Friday, August 29, 1997

Field ID: 18H17011RM	Sample Matrix: liquid	Date Collected: 19-Aug-97	Sample Aliquot: 5
Lab ID: 9708299-6	% Moisture: N/A	Date Extracted: 28-Aug-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 28-Aug-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08299	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	55	ug/l	50	110	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	57.3	ug/l	50	115	88 - 118
2037-26-5	TOLUENE-D8	50.4	ug/l	50	101	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708299
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: RIN #97A2438

Reported on: Friday, August 29, 1997

Field ID:	BH17011RM
Client ID:	
Lab ID:	9708299-6

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: DRY WEIGHT

Date Collected: 19-Aug-97
Date Extracted: 26-Aug-97
Date Analyzed: 28-Aug-97
Prep Batch: v06299

Sample Aliquot: 4
Final Volume: 10
Dilution: 1

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
9.00	Siloxane	31	ug/l	J
10.76	Siloxane	66	ug/l	J
12.26	Siloxane	22	ug/l	J

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Keiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

[redacted]	BH17012RM
[redacted]	9708320-1

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 20-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	630	ug/kg	630	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	750	ug/kg	630		

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

BH17012RM	Sample Matrix: Solid	Date Collected: 20-Aug-97	Sample Aliquot: 4
9708320-1	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume: 10
	Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution: 50
	Report Basis: AS RECEIVED	Prep Batch: v08320	

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

[redacted]	BH17012RM	Sample Matrix: Solid	Date Collected: 20-Aug-97	Sample Aliquot:	4
[redacted]	9708320-1	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08320		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.2	ug/kg	50	96	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	46	ug/kg	50	92	76 - 127
2037-26-5	TOLUENE-D8	51.2	ug/kg	50	102	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9706320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

Client Sample ID: BH17013RM
Lab Sample ID: 9706320-2

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 20-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v06320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	630	ug/kg	630	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630		

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

BH17013RM	Sample Matrix: Solid	Date Collected: 20-Aug-97	Sample Aliquot:	4
9708320-2	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v08320		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

Client ID:	BH17013RM	Sample Matrix: Solid	Date Collected: 20-Aug-97	Sample Aliquot:	4
Lab ID:	9708320-2	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08320		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49	ug/kg	50	98	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	45.6	ug/kg	50	91	76 - 127
2037-26-5	TOLUENE-D8	53.4	ug/kg	50	107	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

Client ID:	BH17014RM	Sample Matrix: Solid	Date Collected: 20-Aug-97	Sample Aliquot:	4
Lab ID:	9708320-3	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08320		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	630	ug/kg	630	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	5700	ug/kg	630		

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

[illegible]	BH17014RM
[illegible]	9708320-3

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 20-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

[redacted]	BH17014RM	Sample Matrix: Solid	Date Collected: 20-Aug-97	Sample Aliquot:	4
[redacted]	9708320-3	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08320		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.1	ug/kg	50	96	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	45.4	ug/kg	50	91	76 - 127
2037-26-5	TOLUENE-D8	51.8	ug/kg	50	104	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

Client ID: BH17015RM
Lab ID: 9708320-8

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 20-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	630	ug/kg	630	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

Client ID:	BH17015RM	Sample Matrix: Solid	Date Collected: 20-Aug-97	Sample Aliquot:	4
Lab ID:	9708320-6	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08320		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

[redacted]	BH17015RM	Sample Matrix: Solid	Date Collected: 20-Aug-97	Sample Aliquot:	4
[redacted]	9708320-8	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: V08320		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49	ug/kg	50	98	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	45.8	ug/kg	50	92	76 - 127
2037-26-5	TOLUENE-D8	50.4	ug/kg	50	101	83 - 116

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

[redacted] SH17016RM
[redacted] 9708320-5

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 20-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	630	ug/kg	630	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

[redacted] BH17016RM	Sample Matrix: Solid	Date Collected: 20-Aug-97	Sample Aliquot: 4
[redacted] 9708320-5	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume: 10
	Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution: 50
	Report Basis: AS RECEIVED	Prep Batch: v08320	

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

[redacted]	BH17016RM	Sample Matrix: Solid	Date Collected: 20-Aug-97	Sample Aliquot:	4
[redacted]	9708320-5	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08320		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	51.9	ug/kg	50	104	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	45.5	ug/kg	50	91	76 - 127
2037-26-5	TOLUENE-D8	52.5	ug/kg	50	105	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Wednesday, September 03, 19

[redacted]	BH17017RM
[redacted]	9708320-7

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 20-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	5.5	ug/L	100	J	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	5	ug/L	5	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Wednesday, September 03, 19

[redacted] BH17017RM	Sample Matrix: liquid	Date Collected: 20-Aug-97	Sample Aliquot:	5
[redacted] 9708320-7	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
	Report Basis: AS RECEIVED	Prep Batch: v08324		

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Wednesday, September 03, 19

[redacted]	BH17017RM	Sample Matrix: liquid	Date Collected: 20-Aug-97	Sample Aliquot:	5
[redacted]	9708320-7	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08324		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	47.9	ug/l	50	96	86 - 115
1868-53-7	DIBROMOFLUOROMETHANE	48.5	ug/l	50	97	86 - 115
2037-26-5	TOLUENE-D8	51.2	ug/l	50	102	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

Client ID: BH17018RM	Sample Matrix: Solid	Date Collected: 21-Aug-97	Sample Aliquot: 4
Lab ID: 9708321-1	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume: 10
	Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution: 50
	Report Basis: AS RECEIVED	Prep Batch: v08320	

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	530	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

[illegible]	BH17016RM
[illegible]	9708321-1

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 21-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

[illegible]	BH17018RM
[illegible] ID	9708321-1

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 21-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.4	ug/kg	50	99	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	44.1	ug/kg	50	88	76 - 127
2037-26-5	TOLUENE-D8	52.7	ug/kg	50	105	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

Field ID: BH17018RM
Lab ID: 9708321-1

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: DRY WEIGHT

Date Collected: 21-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

Client ID: BH17019RM
Lab ID: 9708321-2

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 21-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v06320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	610	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

Field ID: BH17019RM
Lab ID: 9708321-2

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 21-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440
Reported on: Tuesday, September 02, 1997

Client ID:	BH17019RM	Sample Matrix: Solid	Date Collected: 21-Aug-97	Sample Aliquot:	4
Lab ID:	9708321-2	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08320		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.6	ug/kg	50	97	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	43.9	ug/kg	50	88	76 - 127
2037-26-5	TOLUENE-D8	51.1	ug/kg	50	102	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

Client ID:	BH17019RM	Sample Matrix: Solid	Date Collected: 21-Aug-97	Sample Aliquot:	4
Lab ID:	9708321-2	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: DRY WEIGHT	Prep Batch: v08320		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

[redacted]: BH17020RM
[redacted]: 9708321-4

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 21-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	2100	ug/kg	630	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

Client ID:	BH17020RM	Sample Matrix: Solid	Date Collected: 21-Aug-97	Sample Aliquot:	4
Lab ID:	9708321-4	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08320		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

Client ID:	BH17020RM	Sample Matrix: Solid	Date Collected: 21-Aug-97	Sample Aliquot:	4
Lab ID:	9708321-4	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08320		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49	ug/kg	50	98	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	45.9	ug/kg	50	92	76 - 127
2037-26-5	TOLUENE-D8	54	ug/kg	50	108	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

Client ID:	BH17020RM	Sample Matrix: Solid	Date Collected: 21-Aug-97	Sample Aliquot:	4
Lab ID:	9708321-4	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: DRY WEIGHT	Prep Batch: v08320		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440
Reported on: Wednesday, September 03, 19

[redacted]	BH17021RM
[redacted]	9708321-5

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 21-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	5.8	ug/L	100	J	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	2.2	ug/L	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440
Reported on: Wednesday, September 03, 19

[redacted] BH17021RM
[redacted] 9708321-5

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 21-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Wednesday, September 03, 19

[redacted]	SH17021RM	Sample Matrix: liquid	Date Collected: 21-Aug-97	Sample Aliquot:	5
[redacted]	9708321-5	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08324		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.6	ug/l	50	99	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	47.7	ug/l	50	95	85 - 115
2037-26-5	TOLUENE-D8	51.7	ug/l	50	103	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441
Reported on: Wednesday, September 03, 19

BH17022RM
9708323-1

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 22-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	7.5	ug/L	5	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441

Reported on: Wednesday, September 03, 19

Client ID: BH17022RM	Sample Matrix: liquid	Date Collected: 22-Aug-97	Sample Aliquot: 5
Lab ID: 9708323-1	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08324	

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441
Reported on: Wednesday, September 03, 19

[redacted]	BH17022RM	Sample Matrix: liquid	Date Collected: 22-Aug-97	Sample Aliquot:	5
[redacted]	9708323-1	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08324		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	47.8	ug/l	50	96	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	49.1	ug/l	50	98	85 - 115
2037-26-5	TOLUENE-D8	53.6	ug/l	50	107	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441
Reported on: Wednesday, September 03, 19

Client ID: BH17024RM
Lab ID: 9708323-3

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 22-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441

Reported on: Wednesday, September 03, 19

[redacted]	BH17024RM
[redacted]	9708323-3

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 22-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50.4	ug/kg	50	101	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	45.9	ug/kg	50	92	76 - 127
2037-26-5	TOLUENE-D8	52.3	ug/kg	50	105	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441

Reported on: Wednesday, September 03, 19

Client Sample ID:	BH17025RM
Laboratory ID:	9708323-5

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 22-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	630	ug/kg	630	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441
Reported on: Wednesday, September 03, 19

Sample ID:	BH17026RM
Lab Sample ID:	9708323-5

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 22-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441

Reported on: Wednesday, September 03, 19

Client ID:	BH17025RM	Sample Matrix: Solid	Date Collected: 22-Aug-97	Sample Aliquot:	4
Lab ID:	9708323-5	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08320		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.3	ug/kg	50	99	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	47.2	ug/kg	50	94	76 - 127
2037-26-5	TOLUENE-D8	52.3	ug/kg	50	105	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441
Reported on: Wednesday, September 03, 19

BH17026RM
9708323-6

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 22-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	630	ug/kg	630	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441
Reported on: Wednesday, September 03, 19

[redacted] SH17026RM
[redacted] 9708323-6

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 22-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441

Reported on: Wednesday, September 03, 19

[redacted]	BH17028RM	Sample Matrix: Solid	Date Collected: 22-Aug-97	Sample Aliquot:	4
[redacted]	9708323-6	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v08320		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	46.8	ug/kg	50	94	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	45.8	ug/kg	50	92	78 - 127
2037-26-5	TOLUENE-D8	53.4	ug/kg	50	107	83 - 116

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441
Reported on: Wednesday, September 03, 19

Sample ID: BH17027RM
Lab ID: 9708323-7

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 22-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	630	ug/kg	630	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441
Reported on: Wednesday, September 03, 19

[redacted] BH17027RM	Sample Matrix: Solid	Date Collected: 22-Aug-97	Sample Aliquot: 4
[redacted] 9708323-7	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume: 10
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 50
	Report Basis: AS RECEIVED	Prep Batch: v08320	

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441

Reported on: Wednesday, September 03, 19

Client ID	BH17027RM
Lab ID	9708323-7

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 22-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.4	ug/kg	50	97	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	44.3	ug/kg	50	89	76 - 127
2037-26-5	TOLUENE-D8	53.4	ug/kg	50	107	83 - 116

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[redacted] BH17028RM
[redacted] 9708324-5

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 25-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v083245

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	440	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9706324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[redacted]	BH17028RM	Sample Matrix: Solid	Date Collected: 25-Aug-97	Sample Aliquot:	4
[redacted]	9706324-6	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v083024s		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[illegible] BH17029RM	Sample Matrix: Solid	Date Collected: 25-Aug-97	Sample Aliquot:	4
[illegible] 9708324-5	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v083246		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.8	ug/kg	50	98	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	49	ug/kg	50	98	76 - 127
2037-26-5	TOLUENE-D8	52.8	ug/kg	50	106	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

Client ID:	BH17029RM
Lab ID:	9708324-5

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 25-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v083246

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	420	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

Field ID: BH17029RM
Lab ID: 9708324-6

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 25-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324a

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442
Reported on: Wednesday, September 03, 19

[redacted]	BH17029RM	Sample Matrix: Solid	Date Collected: 25-Aug-97	Sample Aliquot:	4
[redacted]	9708324-6	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v083324s		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.8	ug/kg	50	98	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	47.3	ug/kg	50	95	76 - 127
2037-26-5	TOLUENE-D8	54.2	ug/kg	50	108	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[redacted] BH17030RM	Sample Matrix: Solid	Date Collected: 25-Aug-97	Sample Aliquot:	4
[redacted] 9708324-8	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v08320		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	2600	ug/kg	630	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442
Reported on: Wednesday, September 03, 19

Client Id: BH17030RM
Lab ID: 9708324-8

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 25-Aug-97
Date Extracted: 01-Sep-97
Date Analyzed: 01-Sep-97
Prep Batch: v08320

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442
Reported on: Wednesday, September 03, 19

Client ID: BH17030RM	Sample Matrix: Solid	Date Collected: 25-Aug-97	Sample Aliquot: 4
Lab ID: 9708324-8	% Moisture: N/A	Date Extracted: 01-Sep-97	Final Volume: 10
	Cleanup Method: NONE	Date Analyzed: 01-Sep-97	Dilution: 50
	Report Basis: AS RECEIVED	Prep Batch: v08320	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50.6	ug/kg	50	101	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	45.5	ug/kg	50	91	76 - 127
2037-26-5	TOLUENE-D8	52.4	ug/kg	50	105	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443
Reported on: Monday, September 08, 1997

[redacted] BH17031RM	Sample Matrix: liquid	Date Collected: 27-Aug-97	Sample Aliquot: 5
[redacted] 9709002-1	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08324	

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	7.9	ug/L	5	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443
Reported on: Monday, September 08, 1997

[redacted]	SH17031RM	Sample Matrix:	liquid	Date Collected:	27-Aug-97	Sample Aliquot:	5
[redacted]	9709002-1	% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
		Report Basis:	AS RECEIVED	Prep Batch:	v08324		

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443
Reported on: Monday, September 08, 1997

[redacted]	BH17031RM	Sample Matrix: liquid	Date Collected: 27-Aug-97	Sample Aliquot:	5
[redacted]	9709002-1	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08324		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.4	ug/l	50	97	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	47.4	ug/l	50	95	85 - 115
2037-26-5	TOLUENE-D8	53.9	ug/l	50	108	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443

Reported on: Monday, September 08, 1997

[redacted] BH17031RM	Sample Matrix: liquid	Date Collected: 27-Aug-97	Sample Aliquot: 5
[redacted] 9709002-1	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08324	

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443
Reported on: Monday, September 08, 1997

Client ID: BH17032RM
Lab ID: 9709002-2

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 27-Aug-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	400	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443

Reported on: Monday, September 08, 1997

[redacted]	BH17032RM	Sample Matrix:	Solid	Date Collected:	27-Aug-97	Sample Aliquot:	4
[redacted]	9709002-2	% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	10
		Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	50
		Report Basis:	AS RECEIVED	Prep Batch:	v09017		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443

Reported on: Monday, September 08, 1997

[redacted]	BH17032RM	Sample Matrix: Solid	Date Collected: 27-Aug-97	Sample Aliquot:	4
[redacted]	9709002-2	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v09017		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	46.2	ug/kg	50	92	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	48.2	ug/kg	50	96	76 - 127
2037-26-5	TOLUENE-D8	49.8	ug/kg	50	100	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443
Reported on: Monday, September 08, 1997

Client ID:	BH17033RM	Sample Matrix: Solid	Date Collected: 27-Aug-97	Sample Aliquot:	4
Lab ID:	9709002-3	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v09017		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	400	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443

Reported on: Monday, September 08, 1997

Client ID:	BH17033RM	Sample Matrix:	Solid	Date Collected:	27-Aug-97	Sample Aliquot:	4
Lab ID:	9709002-3	% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	10
		Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	50
		Report Basis:	AS RECEIVED	Prep Batch:	v09017		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443

Reported on: Monday, September 08, 1997

Sample ID:	BH17052RM
Lab ID:	9709002-2

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: DRY WEIGHT

Date Collected: 27-Aug-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443

Reported on: Monday, September 08, 1997

[redacted]	BH17033RM	Sample Matrix: Solid	Date Collected: 27-Aug-97	Sample Aliquot:	4
[redacted]	9709002-3	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v09017		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.1	ug/kg	50	96	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	47.4	ug/kg	50	95	76 - 127
2037-26-5	TOLUENE-D8	53	ug/kg	50	106	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443

Reported on: Monday, September 08, 1997

[redacted]	BH17033RM
[redacted]	9709002-3

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: DRY WEIGHT

Date Collected: 27-Aug-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443

Reported on: Monday, September 08, 1997

Client ID: BH17034RM
Lab ID: 9709002-4

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 27-Aug-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	410	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443
Reported on: Monday, September 08, 1997

Sample ID:	BH17034RM
Lab ID:	9709002-4

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 27-Aug-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443

Reported on: Monday, September 08, 1997

Client ID:	BH17034RM
Lab ID:	9709002-4

Sample Matrix:	Solid	Date Collected:	27-Aug-97	Sample Aliquot:	4
% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	10
Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	50
Report Basis:	AS RECEIVED	Prep Batch:	v09017		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	47.9	ug/kg	50	96	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	46.3	ug/kg	50	93	76 - 127
2037-26-5	TOLUENE-D8	55.1	ug/kg	50	110	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443

Reported on: Monday, September 08, 1997

Client ID:	BH17034RM	Sample Matrix: Solid	Date Collected: 27-Aug-97	Sample Aliquot:	4
Lab ID:	9709002-4	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: DRY WEIGHT	Prep Batch: v09017		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443
Reported on: Monday, September 08, 1997

[redacted]	BH17035RM
[redacted]	9709002-5

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 27-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	3.4	ug/L	5	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443
Reported on: Monday, September 08, 1997

[redacted] BH17035RM	Sample Matrix: liquid	Date Collected: 27-Aug-97	Sample Aliquot: 5
[redacted] 9709002-5	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08324	

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443

Reported on: Monday, September 08, 1997

Client ID:	BH17036RM	Sample Matrix: liquid	Date Collected: 27-Aug-97	Sample Aliquot:	5
Lab ID:	9709002-5	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08324		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.3	ug/l	50	97	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	48.3	ug/l	50	97	85 - 115
2037-26-5	TOLUENE-D8	52.6	ug/l	50	105	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2443

Reported on: Monday, September 08, 1997

[redacted]	BH17035RM
[redacted]	9709002-5

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 27-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2444

Reported on: Monday, September 08, 1997

[redacted]	BH17036RM	Sample Matrix: liquid	Date Collected: 28-Aug-97	Sample Aliquot:	5
[redacted]	9709003-1	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08324		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	3	ug/L	100	J	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	8.3	ug/L	5	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2444
Reported on: Monday, September 08, 1997

[redacted]	BH17038RM	Sample Matrix:	liquid	Date Collected:	28-Aug-97	Sample Aliquot:	5
[redacted]	9709003-1	% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
		Report Basis:	AS RECEIVED	Prep Batch:	v08324		

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2444

Reported on: Monday, September 08, 1997

BH17036RM	Sample Matrix: liquid	Date Collected: 28-Aug-97	Sample Aliquot:	5
9709003-1	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
	Report Basis: AS RECEIVED	Prep Batch: v08324		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50.5	ug/l	50	101	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	48	ug/l	50	96	85 - 115
2037-26-5	TOLUENE-D8	52.9	ug/l	50	106	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2444

Reported on: Monday, September 08, 1997

[redacted]	BH17036RM	Sample Matrix: liquid	Date Collected: 26-Aug-97	Sample Aliquot:	5
[redacted]	9709003-1	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08324		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2444

Reported on: Monday, September 08, 1997

Client ID: SH17037RM	Sample Matrix: Solid	Date Collected: 28-Aug-97	Sample Aliquot:	4
Lab ID: 9709003-2	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v09017		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	370	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2444

Reported on: Monday, September 08, 1997

[redacted] BH17037RM	Sample Matrix: Solid	Date Collected: 28-Aug-97	Sample Aliquot:	4
[redacted] 9709003-2	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v09017		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
[illegible]	[illegible]	888	ug/kg	888	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2444

Reported on: Monday, September 08, 1997

[redacted]	BH17037RM	Sample Matrix: Solid	Date Collected: 28-Aug-97	Sample Aliquot:	4
[redacted]	9709003-2	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v09017		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50.5	ug/kg	50	101	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	47.5	ug/kg	50	95	76 - 127
2037-26-5	TOLUENE-D8	51.2	ug/kg	50	102	83 - 116

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2444

Reported on: Monday, September 08, 1997

[redacted]	BH17037RM	Sample Matrix: Solid	Date Collected: 28-Aug-97	Sample Aliquot:	4
[redacted]	9709003-2	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: DRY WEIGHT	Prep Batch: v08017		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2444
Reported on: Monday, September 08, 1997

Client ID: BH17038RM	Sample Matrix: Solid	Date Collected: 28-Aug-97	Sample Aliquot: 4
Lab ID: 9709003-3	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume: 10
	Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution: 50
	Report Basis: AS RECEIVED	Prep Batch: v09017	

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	400	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2444
Reported on: Monday, September 08, 1997

BH17038RM	Sample Matrix: Solid	Date Collected: 28-Aug-97	Sample Aliquot:	4
9709003-3	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v09017		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2444

Reported on: Monday, September 08, 1997

Client ID:	BH17034RM	Sample Matrix: Solid	Date Collected: 28-Aug-97	Sample Aliquot:	4
Lab ID:	9709003-3	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v09017		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	45.5	ug/kg	50	91	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	47.7	ug/kg	50	95	76 - 127
2037-26-5	TOLUENE-D8	51.6	ug/kg	50	103	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaleer-Hill Co., L.L.C.
ClientProject ID: RIN #97A2444

Reported on: Monday, September 08, 1997

[redacted]	8H17038RM	Sample Matrix: Solid	Date Collected: 28-Aug-97	Sample Aliquot:	4
[redacted]	9709003-3	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: DRY WEIGHT	Prep Batch: v09017		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17039RM
[redacted]	9709017-1

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	5	U	
74-87-3	CHLOROMETHANE	5	ug/l	5	U	
75-01-4	VINYL CHLORIDE	10	ug/l	10	U	
74-83-9	BROMOMETHANE	5	ug/l	5	U	
75-00-3	CHLOROETHANE	5	ug/l	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/l	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/l	5	U	
67-64-1	ACETONE	100	ug/l	100	U	
75-15-0	CARBON DISULFIDE	5	ug/l	5	U	
75-09-2	METHYLENE CHLORIDE	2.3	ug/l	5	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/l	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/l	5	U	
78-93-3	2-BUTANONE	100	ug/l	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/l	5	U	
67-66-3	CHLOROFORM	5	ug/l	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/l	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/l	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/l	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/l	5	U	
71-43-2	BENZENE	5	ug/l	5	U	
79-01-6	TRICHLOROETHENE	5	ug/l	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/l	5	U	
74-95-3	DIBROMOMETHANE	5	ug/l	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/l	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/l	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/l	50	U	
108-88-3	TOLUENE	5	ug/l	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/l	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/l	5	U	
591-78-6	2-HEXANONE	50	ug/l	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/l	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445
Reported on: Monday, September 08, 1997

[redacted]	Sample Matrix: liquid	Date Collected: 02-Sep-97	Sample Aliquot:	5
[redacted]	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	5
	Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	1
	Report Basis: AS RECEIVED	Prep Batch: v09017		

142-28-9	1,3-DICHLOROPROPANE	5	ug/l	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/l	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/l	5	U	
108-90-7	CHLOROBENZENE	5	ug/l	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l	5	U	
100-41-4	ETHYLBENZENE	5	ug/l	5	U	
1330-20-7	TOTAL XYLENES	5	ug/l	5	U	
100-42-5	STYRENE	5	ug/l	5	U	
75-25-2	BROMOFORM	5	ug/l	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/l	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/l	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	5	U	
108-86-1	BROMOBENZENE	5	ug/l	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/l	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/l	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/l	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/l	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/l	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/l	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/l	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/l	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/l	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/l	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/l	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/l	5	U	
91-20-3	NAPHTHALENE	5	ug/l	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17038RM
[redacted]	9709017-1

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.6	ug/l	50	99	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	48	ug/l	50	96	85 - 115
2037-26-5	TOLUENE-D8	53.5	ug/l	50	107	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17039RM
[redacted]	9709017-1

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: DRY WEIGHT

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2446
Reported on: Monday, September 08, 1997

Client Sample ID:	BH17040RM
Lab Sample ID:	9709017-4

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	8.7	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Keiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445
Reported on: Monday, September 08, 1997

[illegible]	BH17040RM	Sample Matrix:	Solid	Date Collected:	02-Sep-97	Sample Aliquot:	4
[illegible]	9709017-4	% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	10
		Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	60
		Report Basis:	AS RECEIVED	Prep Batch:	v09017		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2446

Reported on: Monday, September 08, 1997

Client ID:	SH17040RM
Lab ID:	9709017-4

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	46.2	ug/kg	50	92	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	47.6	ug/kg	50	95	76 - 127
2037-26-5	TOLUENE-D8	53.2	ug/kg	50	106	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17040RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
[redacted]	9709017-4	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: DRY WEIGHT	Prep Batch: v09017		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[illegible]	BH17041RM
[illegible]	9709017-2

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	9.2	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17041RM
[redacted]	9709017-2

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445
Reported on: Monday, September 08, 1997

Client ID:	BH17041RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
Lab ID:	9709017-2	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v09017		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.2	ug/kg	50	96	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	49.5	ug/kg	50	99	76 - 127
2037-26-5	TOLUENE-D8	50.8	ug/kg	50	102	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17041RM
[redacted]	9709017-2

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: DRY WEIGHT

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

Sample ID: BH17042RM
Lab ID: 9709017-3

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	6.6	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445
Reported on: Monday, September 08, 1997

[redacted]	BH17042RM	Sample Matrix:	Solid	Date Collected:	02-Sep-97	Sample Aliquot:	4
[redacted]	9709017-3	% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	10
		Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	50
		Report Basis:	AS RECEIVED	Prep Batch:	v09017		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17042RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
[redacted]	9709017-3	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v09017		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.6	ug/kg	50	97	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	46.2	ug/kg	50	92	76 - 127
2037-26-5	TOLUENE-D8	51.9	ug/kg	50	104	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

Field ID:	BH17042RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
Lab ID:	9709017-3	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: DRY WEIGHT	Prep Batch: v09017		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17043RM
[redacted]	9709017-5

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	9.1	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2446

Reported on: Monday, September 08, 1997

BH17043RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
9709017-5	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v09017		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445
Reported on: Monday, September 08, 1997

[redacted]	BH17043RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
[redacted]	9709017-5	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v09017		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	*4-BROMOFLUOROBENZENE	50.6	ug/kg	50	101	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	46.8	ug/kg	50	94	76 - 127
2037-26-5	TOLUENE-D8	55.2	ug/kg	50	110	83 - 116

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2446
Reported on: Monday, September 08, 1997

Client ID:	BH17043RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
Lab ID:	9709017-5	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: DRY WEIGHT	Prep Batch: v09017		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445
Reported on: Monday, September 08, 1997

Client ID:	BH17044RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
Lab ID:	9709017-6	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v09017		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	9.3	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN 97A2445

Reported on: Monday, September 08, 1997

Field ID: BH17044RM
Lab ID: 9709017-6

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytica, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17044RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
[redacted]	9709017-6	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v09017		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	47.9	ug/kg	50	96	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	48.4	ug/kg	50	97	76 - 127
2037-26-5	TOLUENE-D8	54.3	ug/kg	50	109	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17044RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
[redacted]	9709017-6	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: DRY WEIGHT	Prep Batch: v09017		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445
Reported on: Monday, September 08, 1997

Client ID: BH17045RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot: 4
Lab ID: 9709017-7	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume: 10
	Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution: 50
	Report Basis: AS RECEIVED	Prep Batch: v09017	

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	9	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17046RM
[redacted]	9709017-7

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17045RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
[redacted]	9709017-7	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v09017		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.1	ug/kg	50	96	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	49.1	ug/kg	50	98	76 - 127
2037-26-5	TOLUENE-D8	53.6	ug/kg	50	107	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

Client Sample ID:	BH17045RM
Lab Sample ID:	9709017-7

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: DRY WEIGHT

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

Client ID:	SH17046RM
Lab ID:	9709017-8

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	5.8	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

Client ID:	BH17046RM
Lab ID:	9709017-8

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v08017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

Client ID:	BH17046RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
Lab ID:	9709017-6	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: AS RECEIVED	Prep Batch: v09017		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50.7	ug/kg	50	101	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	43.6	ug/kg	50	87	75 - 127
2037-26-5	TOLUENE-D8	52	ug/kg	50	104	83 - 116

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

[redacted]	BH17046RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
[redacted]	9709017-8	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: DRY WEIGHT	Prep Batch: v09017		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

Client ID:	BH17047RM
Lab ID:	9709017-9

Sample Matrix: Soild
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	5.6	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

Client ID:	BH17047RM	Sample Matrix:	Solid	Date Collected:	02-Sep-97	Sample Aliquot:	4
Lab ID:	9709017-9	% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	10
		Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	50
		Report Basis:	AS RECEIVED	Prep Batch:	v09017		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN 997A2445

Reported on: Monday, September 08, 1997

Client ID:	BH17047RM
Lab ID:	9709017-9

Sample Matrix:	Solid	Date Collected:	02-Sep-97	Sample Aliquot:	4
% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	10
Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	50
Report Basis:	AS RECEIVED	Prep Batch:	v09017		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.2	ug/kg	50	98	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	48.8	ug/kg	50	98	76 - 127
2037-26-5	TOLUENE-D8	52.9	ug/kg	50	106	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2448

Reported on: Monday, September 08, 1997

Client ID:	BH17047RM	Sample Matrix: Solid	Date Collected: 02-Sep-97	Sample Aliquot:	4
Lab ID:	9709017-9	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	10
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	50
		Report Basis: DRY WEIGHT	Prep Batch: v09017		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709112
Client Name: Kaiser-Hill Co., L.L.C.
Client Project ID: RIN #97A2447

Reported on: Wednesday, September 24, 19

[redacted] SH1704RM	Sample Matrix: Liquid	Date Collected: 04-Sep-97	Sample Aliquot:	5
9709112-1	% Moisture: N/A	Date Extracted: 17-Sep-97	Final Volume:	5
	Cleanup Method: NONE	Date Analyzed: 17-Sep-97	Dilution:	1
	Report Basis: AS RECEIVED	Prep Batch: v09112		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	5	U	
74-87-3	CHLOROMETHANE	5	ug/l	5	U	
75-01-4	VINYL CHLORIDE	10	ug/l	10	U	
74-83-9	BROMOMETHANE	5	ug/l	5	U	
75-00-3	CHLOROETHANE	5	ug/l	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/l	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/l	5	U	
67-64-1	ACETONE	100	ug/l	100	U	
75-15-0	CARBON DISULFIDE	5	ug/l	5	U	
75-09-2	METHYLENE CHLORIDE	16	ug/l	5	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/l	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/l	5	U	
78-93-3	2-BUTANONE	100	ug/l	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/l	5	U	
67-66-3	CHLOROFORM	5	ug/l	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/l	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/l	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/l	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/l	5	U	
71-43-2	BENZENE	5	ug/l	5	U	
79-01-6	TRICHLOROETHENE	5	ug/l	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/l	5	U	
74-95-3	DIBROMOMETHANE	5	ug/l	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/l	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/l	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/l	50	U	
108-88-3	TOLUENE	5	ug/l	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/l	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/l	5	U	
591-78-6	2-HEXANONE	50	ug/l	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/l	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709112
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: RIN 697A2447

Reported on: Wednesday, September 24, 19

[redacted]	Sample Matrix: Liquid	Date Collected: 04-Sep-97	Sample Aliquot:	5
[redacted]	% Moisture: N/A	Date Extracted: 17-Sep-97	Final Volume:	5
[redacted]	Cleanup Method: NONE	Date Analyzed: 17-Sep-97	Dilution:	1
	Report Basis: AS RECEIVED	Prep Batch: v09112		

142-28-9	1,3-DICHLOROPROPANE	5	ug/l	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/l	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/l	5	U	
108-90-7	CHLOROBENZENE	5	ug/l	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l	5	U	
100-41-4	ETHYLBENZENE	5	ug/l	5	U	
1330-20-7	TOTAL XYLENES	5	ug/l	5	U	
100-42-5	STYRENE	5	ug/l	5	U	
75-25-2	BROMOFORM	5	ug/l	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/l	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/l	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	5	U	
108-86-1	BROMOBENZENE	5	ug/l	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/l	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/l	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/l	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/l	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/l	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/l	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/l	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/l	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/l	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/l	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/l	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/l	5	U	
91-20-3	NAPHTHALENE	5	ug/l	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709112
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2447

Reported on: Wednesday, September 24, 19

[redacted]	Sample Matrix: Liquid	Date Collected: 04-Sep-97	Sample Aliquot:	5
	% Moisture: N/A	Date Extracted: 17-Sep-97	Final Volume:	5
	Cleanup Method: NONE	Date Analyzed: 17-Sep-97	Dilution:	1
	Report Basis: AS RECEIVED	Prep Batch: v09112		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	54	ug/l	50	108	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	51.7	ug/l	50	103	85 - 115
2037-26-5	TOLUENE-D8	51.2	ug/l	50	102	85 - 110

U = Less than the Reporting Limit

000026

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709112
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2447
Reported on: Thursday, September 18, 1997

BH17049RM	Sample Matrix: Solid	Date Collected: 04-Sep-97	Sample Aliquot:	4
9709112-2	% Moisture: N/A	Date Extracted: 17-Sep-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 17-Sep-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v09112		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	430	ug/kg	630	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	360	ug/kg	630	J	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709112
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: RIN #97A2447

Reported on: Thursday, September 18, 1997

BH17049RM	Sample Matrix: Solid	Date Collected: 04-Sep-97	Sample Aliquot: 4
9709112-2	% Moisture: N/A	Date Extracted: 17-Sep-97	Final Volume: 10
	Cleanup Method: NONE	Date Analyzed: 17-Sep-97	Dilution: 50
	Report Basis: AS RECEIVED	Prep Batch: V09112	

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709112
Client Name: Kaiser-Hill Co., LLC.
ClientProject ID: RIN #97A2447

Reported on: Thursday, September 18, 1997

BH17049RM	Sample Matrix: Solid	Date Collected: 04-Sep-97	Sample Aliquot:	4
9709112-2	% Moisture: N/A	Date Extracted: 17-Sep-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 17-Sep-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v09112		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	52.7	ug/kg	50	105	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	50.4	ug/kg	50	101	76 - 127
2037-26-5	TOLUENE-D8	52.4	ug/kg	50	105	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709112
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2447

Reported on: Thursday, September 18, 1997

BH17060RM
9709112-3

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 04-Sep-97
Date Extracted: 17-Sep-97
Date Analyzed: 17-Sep-97
Prep Batch: v09112

Sample Aliquot: 4
Final Volume: 10
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	630	ug/kg	630	U	
74-87-3	CHLOROMETHANE	630	ug/kg	630	U	
75-01-4	VINYL CHLORIDE	1300	ug/kg	1300	U	
74-83-9	BROMOMETHANE	630	ug/kg	630	U	
75-00-3	CHLOROETHANE	630	ug/kg	630	U	
75-69-4	TRICHLOROFLUOROMETHANE	630	ug/kg	630	U	
75-35-4	1,1-DICHLOROETHENE	630	ug/kg	630	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	630	ug/kg	630	U	
67-64-1	ACETONE	13000	ug/kg	13000	U	
75-15-0	CARBON DISULFIDE	630	ug/kg	630	U	
75-09-2	METHYLENE CHLORIDE	3000	ug/kg	630	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
75-34-3	1,1-DICHLOROETHANE	630	ug/kg	630	U	
156-59-2	CIS-1,2-DICHLOROETHENE	630	ug/kg	630	U	
78-93-3	2-BUTANONE	13000	ug/kg	13000	U	
74-97-5	BROMOCHLOROMETHANE	630	ug/kg	630	U	
67-66-3	CHLOROFORM	630	ug/kg	630	U	
71-55-6	1,1,1-TRICHLOROETHANE	630	ug/kg	630	U	
594-20-7	2,2-DICHLOROPROPANE	630	ug/kg	630	U	
56-23-5	CARBON TETRACHLORIDE	630	ug/kg	630	U	
563-58-6	1,1-DICHLOROPROPENE	630	ug/kg	630	U	
107-06-2	1,2-DICHLOROETHANE	630	ug/kg	630	U	
71-43-2	BENZENE	630	ug/kg	630	U	
79-01-6	TRICHLOROETHENE	630	ug/kg	630	U	
78-87-5	1,2-DICHLOROPROPANE	630	ug/kg	630	U	
74-95-3	DIBROMOMETHANE	630	ug/kg	630	U	
75-27-4	BROMODICHLOROMETHANE	630	ug/kg	630	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
108-10-1	4-METHYL-2-PENTANONE	6300	ug/kg	6300	U	
108-88-3	TOLUENE	630	ug/kg	630	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	630	ug/kg	630	U	
79-00-5	1,1,2-TRICHLOROETHANE	630	ug/kg	630	U	
591-78-6	2-HEXANONE	6300	ug/kg	6300	U	
127-18-4	TETRACHLOROETHENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709112
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2447
Reported on: Thursday, September 18, 1997

SH17060RM	Sample Matrix: Solid	Date Collected: 04-Sep-97	Sample Aliquot:	4
9709112-3	% Moisture: N/A	Date Extracted: 17-Sep-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 17-Sep-97	Dilution:	60
	Report Basis: AS RECEIVED	Prep Batch: v09112		

142-28-9	1,3-DICHLOROPROPANE	630	ug/kg	630	U	
124-48-1	DIBROMOCHLOROMETHANE	630	ug/kg	630	U	
106-93-4	1,2-DIBROMOETHANE	630	ug/kg	630	U	
108-90-7	CHLOROBENZENE	630	ug/kg	630	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	630	ug/kg	630	U	
100-41-4	ETHYLBENZENE	630	ug/kg	630	U	
1330-20-7	TOTAL XYLENES	630	ug/kg	630	U	
100-42-5	STYRENE	630	ug/kg	630	U	
75-25-2	BROMOFORM	630	ug/kg	630	U	
98-82-8	ISOPROPYLBENZENE	630	ug/kg	630	U	
96-18-4	1,2,3-TRICHLOROPROPANE	630	ug/kg	630	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	630	ug/kg	630	U	
108-86-1	BROMOBENZENE	630	ug/kg	630	U	
103-65-1	N-PROPYLBENZENE	630	ug/kg	630	U	
95-49-8	2-CHLOROTOLUENE	630	ug/kg	630	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	630	ug/kg	630	U	
106-43-4	4-CHLOROTOLUENE	630	ug/kg	630	U	
98-06-6	TERT-BUTYLBENZENE	630	ug/kg	630	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	630	ug/kg	630	U	
135-98-8	SEC-BUTYLBENZENE	630	ug/kg	630	U	
541-73-1	1,3-DICHLOROBENZENE	630	ug/kg	630	U	
99-87-6	P-ISOPROPYLTOLUENE	630	ug/kg	630	U	
106-46-7	1,4-DICHLOROBENZENE	630	ug/kg	630	U	
104-51-8	N-BUTYLBENZENE	630	ug/kg	630	U	
95-50-1	1,2-DICHLOROBENZENE	630	ug/kg	630	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	630	ug/kg	630	U	
120-82-1	1,2,4-TRICHLOROBENZENE	630	ug/kg	630	U	
87-68-3	HEXACHLOROBUTADIENE	630	ug/kg	630	U	
91-20-3	NAPHTHALENE	630	ug/kg	630	U	
87-61-6	1,2,3-TRICHLOROBENZENE	630	ug/kg	630	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709112
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2447

Reported on: Thursday, September 18, 1997

BH17050RM	Sample Matrix: Solid	Date Collected: 04-Sep-97	Sample Aliquot:	4
9709112-3	% Moisture: N/A	Date Extracted: 17-Sep-97	Final Volume:	10
	Cleanup Method: NONE	Date Analyzed: 17-Sep-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v09112		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	52.6	ug/kg	50	106	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	51.8	ug/kg	50	104	76 - 127
2037-26-5	TOLUENE-D8	53.1	ug/kg	50	106	83 - 116

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2443
Reported on: Monday, September 08, 1997

Lab ID:	LABQC	Sample Matrix:	Solid	Date Collected:	03-Sep-97	Sample Aliquot:	5
Client ID:	VA970903-1sMB	% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v09017		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/kg	5	U	
74-87-3	CHLOROMETHANE	5	ug/kg	5	U	
75-01-4	VINYL CHLORIDE	10	ug/kg	10	U	
74-83-9	BROMOMETHANE	5	ug/kg	5	U	
75-00-3	CHLOROETHANE	5	ug/kg	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/kg	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/kg	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/kg	5	U	
67-64-1	ACETONE	4.8	ug/kg	100	J	
75-15-0	CARBON DISULFIDE	5	ug/kg	5	U	
75-09-2	METHYLENE CHLORIDE	3.4	ug/kg	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/kg	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
78-93-3	2-BUTANONE	100	ug/kg	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/kg	5	U	
67-66-3	CHLOROFORM	5	ug/kg	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/kg	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/kg	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/kg	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/kg	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/kg	5	U	
71-43-2	BENZENE	5	ug/kg	5	U	
79-01-6	TRICHLOROETHENE	5	ug/kg	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/kg	5	U	
74-95-3	DIBROMOMETHANE	5	ug/kg	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/kg	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/kg	50	U	
108-88-3	TOLUENE	5	ug/kg	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/kg	5	U	
591-78-6	2-HEXANONE	50	ug/kg	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/kg	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/kg	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/kg	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/kg	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: RIN #97A2439
Reported on: Wednesday, September 24, 19

[redacted]	GW17000RM
[redacted]	9708320-4

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 20-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 50

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	250	ug/L	250	U	
74-87-3	CHLOROMETHANE	250	ug/L	250	U	
75-01-4	VINYL CHLORIDE	500	ug/L	500	U	
74-83-9	BROMOMETHANE	250	ug/L	250	U	
75-00-3	CHLOROETHANE	250	ug/L	250	U	
75-69-4	TRICHLOROFLUOROMETHANE	250	ug/L	250	U	
75-35-4	1,1-DICHLOROETHENE	250	ug/L	250	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	250	ug/L	250	U	
67-64-1	ACETONE	5000	ug/L	5000	U	
75-15-0	CARBON DISULFIDE	250	ug/L	250	U	
75-09-2	METHYLENE CHLORIDE	130	ug/L	250	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	250	ug/L	250	U	
75-34-3	1,1-DICHLOROETHANE	250	ug/L	250	U	
156-59-2	CIS-1,2-DICHLOROETHENE	220	ug/L	250	J	
78-93-3	2-BUTANONE	5000	ug/L	5000	U	
74-97-5	BROMOCHLOROMETHANE	250	ug/L	250	U	
67-66-3	CHLOROFORM	250	ug/L	250	U	
71-55-6	1,1,1-TRICHLOROETHANE	250	ug/L	250	U	
594-20-7	2,2-DICHLOROPROPANE	250	ug/L	250	U	
56-23-5	CARBON TETRACHLORIDE	250	ug/L	250	U	
563-58-6	1,1-DICHLOROPROPENE	250	ug/L	250	U	
107-06-2	1,2-DICHLOROETHANE	250	ug/L	250	U	
71-43-2	BENZENE	250	ug/L	250	U	
79-01-6	TRICHLOROETHENE	250	ug/L	250	U	
78-87-5	1,2-DICHLOROPROPANE	250	ug/L	250	U	
74-95-3	DIBROMOMETHANE	250	ug/L	250	U	
75-27-4	BROMODICHLOROMETHANE	250	ug/L	250	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	250	ug/L	250	U	
108-10-1	4-METHYL-2-PENTANONE	2500	ug/L	2500	U	
108-88-3	TOLUENE	250	ug/L	250	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	250	ug/L	250	U	
79-00-5	1,1,2-TRICHLOROETHANE	250	ug/L	250	U	
591-78-6	2-HEXANONE	2500	ug/L	2500	U	
127-18-4	TETRACHLOROETHENE	1700	ug/L	250		

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: RIN #97A2439

Reported on: Wednesday, September 24, 19

[redacted] GW17000ml
[redacted] 9708320-4

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 20-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v06324

Sample Aliquot: 5
Final Volume: 5
Dilution: 50

142-28-9	1,3-DICHLOROPROPANE	250	ug/L	250	U	
124-48-1	DIBROMOCHLOROMETHANE	250	ug/L	250	U	
106-93-4	1,2-DIBROMOETHANE	250	ug/L	250	U	
108-90-7	CHLOROBENZENE	250	ug/L	250	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	250	ug/L	250	U	
100-41-4	ETHYLBENZENE	250	ug/L	250	U	
1330-20-7	TOTAL XYLENES	250	ug/L	250	U	
100-42-5	STYRENE	250	ug/L	250	U	
75-25-2	BROMOFORM	250	ug/L	250	U	
98-82-8	ISOPROPYLBENZENE	250	ug/L	250	U	
96-18-4	1,2,3-TRICHLOROPROPANE	250	ug/L	250	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	250	ug/L	250	U	
108-86-1	BROMOBENZENE	250	ug/L	250	U	
103-65-1	N-PROPYLBENZENE	250	ug/L	250	U	
95-49-8	2-CHLOROTOLUENE	250	ug/L	250	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	250	ug/L	250	U	
106-43-4	4-CHLOROTOLUENE	250	ug/L	250	U	
98-06-6	TERT-BUTYLBENZENE	250	ug/L	250	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	250	ug/L	250	U	
135-98-8	SEC-BUTYLBENZENE	250	ug/L	250	U	
541-73-1	1,3-DICHLOROBENZENE	250	ug/L	250	U	
99-87-6	P-ISOPROPYLTOLUENE	250	ug/L	250	U	
106-46-7	1,4-DICHLOROBENZENE	250	ug/L	250	U	
104-51-8	N-BUTYLBENZENE	250	ug/L	250	U	
95-50-1	1,2-DICHLOROBENZENE	250	ug/L	250	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	250	ug/L	250	U	
120-82-1	1,2,4-TRICHLOROBENZENE	250	ug/L	250	U	
87-68-3	HEXACHLOROBUTADIENE	250	ug/L	250	U	
91-20-3	NAPHTHALENE	250	ug/L	250	U	
87-61-6	1,2,3-TRICHLOROBENZENE	250	ug/L	250	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN 97A2439
Reported on: Wednesday, September 24, 19

[redacted]GW17000RM
[redacted]9708320-4

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 20-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 50

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.2	ug/l	50	96	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	50.7	ug/l	50	101	85 - 115
2037-26-5	TOLUENE-D8	52.8	ug/l	50	106	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
Client/Project ID: RIN 97A2439 Reported on: Wednesday, September 24, 19

[redacted] GW17000RM	Sample Matrix: liquid	Date Collected: 20-Aug-97	Sample Aliquot:	6
[redacted] 9708320-4	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	50
	Report Basis: AS RECEIVED	Prep Batch: v08324		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A9141

Reported on: Wednesday, September 24, 19

GW17001RM	Sample Matrix: liquid	Date Collected: 22-Aug-97		Sample Aliquot:	5
9708323-4	% Moisture: N/A	Date Extracted: 02-Sep-97		Final Volume:	5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97		Dilution:	1
	Report Basis: AS RECEIVED	Prep Batch: v08324			

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	3.5	ug/L	5	J	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	7.4	ug/L	5	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441

Reported on: Wednesday, September 24, 19

GW17001RM	Sample Matrix: Liquid	Date Collected: 22-Aug-97	Sample Aliquot:	5
9708323-4	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
	Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	1
	Report Basis: AS RECEIVED	Prep Batch: v08324		

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441

Reported on: Wednesday, September 24, 19

[redacted] GW17001RM	Sample Matrix: Liquid	Date Collected: 22-Aug-97	Sample Aliquot: 5
[redacted] 9708323-4	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08324	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.1	ug/l	50	96	86 - 115
1868-53-7	DIBROMOFLUOROMETHANE	49.2	ug/l	50	98	86 - 118
2037-26-5	TOLUENE-D8	51.2	ug/l	50	102	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

GW17002RM	Sample Matrix: liquid	Date Collected: 25-Aug-97	Sample Aliquot:	5
9708324-1	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
	Report Basis: AS RECEIVED	Prep Batch: v08324		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	40	ug/L	5		
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	7.9	ug/L	5	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	2.1	ug/L	5	J	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[redacted] GW17002RM	Sample Matrix: liquid	Date Collected: 25-Aug-97	Sample Aliquot: 5
[redacted] 9708324-1	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08324	

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[redacted]	GW17002RM	Sample Matrix: liquid	Date Collected: 25-Aug-97	Sample Aliquot:	5
[redacted]	9708324-1	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08324		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	47	ug/l	50	94	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	49.1	ug/l	50	98	85 - 115
2037-26-5	TOLUENE-D8	52.1	ug/l	50	104	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[illegible]	GW17003RM
[illegible]	9708324-2

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 25-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	36	ug/L	5		
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	3	ug/L	5	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

Client ID:	GW17003RM	Sample Matrix:	liquid	Date Collected:	25-Aug-97	Sample Aliquot:	5
Lab ID:	9708324-2	% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
		Report Basis:	AS RECEIVED	Prep Batch:	v08324		

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[redacted] GW17003RM	Sample Matrix: liquid	Date Collected: 25-Aug-97	Sample Aliquot: 5
[redacted] 9708324-2	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08324	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.5	ug/l	50	99	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	46.6	ug/l	50	93	85 - 115
2037-26-5	TOLUENE-D8	49.2	ug/l	50	98	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

Client ID: GW17004RM	Sample Matrix: liquid	Date Collected: 25-Aug-97	Sample Aliquot: 5
Lab ID: 9708324-3	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08324	

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	2.7	ug/L	5	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442
Reported on: Wednesday, September 03, 19

[redacted]	GW17004RM
[redacted]	9708324-3

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 25-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[illegible]	GW17004RM
[illegible]	9708324-3

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 26-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.6	ug/l	50	99	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	45.4	ug/l	50	91	85 - 115
2037-26-5	TOLUENE-D8	49.2	ug/l	50	98	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

Client ID: GW17005RM	Sample Matrix: liquid	Date Collected: 26-Aug-97	Sample Aliquot: 5
Lab ID: 9708324-4	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v06324	

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	3.6	ug/L	5	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[redacted] GW17005RM	Sample Matrix: liquid	Date Collected: 25-Aug-97	Sample Aliquot: 5
[redacted] 9708324-4	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08324	

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

Client ID:	GW17005RM
Lab ID:	9708324-4

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 26-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50.8	ug/l	50	101	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	45	ug/l	50	90	85 - 115
2037-26-5	TOLUENE-D8	50	ug/l	50	100	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

Matrix ID: GW17008RM
Client ID: 9708324-7

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 25-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	5	ug/L	5	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442
Reported on: Wednesday, September 03, 19

GW17006RM	Sample Matrix: liquid	Date Collected: 25-Aug-97	Sample Aliquot: 5
9708324-7	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08324	

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442
Reported on: Wednesday, September 03, 19

[illegible]	GW17006RM
[illegible]	9708324-7

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 25-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.2	ug/l	50	96	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	46.2	ug/l	50	92	85 - 115
2037-26-5	TOLUENE-D8	50.9	ug/l	50	102	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[redacted] GW17007RM	Sample Matrix: liquid	Date Collected: 25-Aug-97	Sample Aliquot: 5
[redacted] 9708324-9	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v08324	

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	5	ug/L	5	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	6.3	ug/L	5		
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	15	ug/L	5		

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442
Reported on: Wednesday, September 03, 19

Client ID: GW17007RM
Lab ID: 9708324-8

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 25-Aug-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[redacted]	GW17007RM	Sample Matrix: liquid	Date Collected: 25-Aug-97	Sample Aliquot:	6
[redacted]	9708324-9	% Moisture: N/A	Date Extracted: 02-Sep-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 02-Sep-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v08324		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.5	ug/l	50	97	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	45.1	ug/l	50	90	85 - 115
2037-26-5	TOLUENE-D8	51.9	ug/l	50	104	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709038
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2446

Reported on: Tuesday, September 18, 1997

Field ID: GW17008RM
Lab ID: 9709038-1

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 03-Sep-97
Date Extracted: 05-Sep-97
Date Analyzed: 05-Sep-97
Prep Batch: v09038

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	5.2	ug/L	5	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709038
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2446
Reported on: Tuesday, September 16, 1997

Field ID: GW17008RM	Sample Matrix: liquid	Date Collected: 03-Sep-97	Sample Aliquot: 5
Lab ID: 9709038-1	% Moisture: N/A	Date Extracted: 05-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 05-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v09038	

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U
108-90-7	CHLOROBENZENE	5	ug/L	5	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U
100-41-4	ETHYLBENZENE	5	ug/L	5	U
1330-20-7	TOTAL XYLENES	5	ug/L	5	U
100-42-5	STYRENE	5	ug/L	5	U
75-25-2	BROMOFORM	5	ug/L	5	U
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U
108-86-1	BROMOBENZENE	5	ug/L	5	U
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U
91-20-3	NAPHTHALENE	5	ug/L	5	U
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709038
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2446
Reported on: Tuesday, September 16, 1997

Field ID: GW17008RM	Sample Matrix: liquid	Date Collected: 03-Sep-97	Sample Aliquot: 5
Lab ID: 9709038-1	% Moisture: N/A	Date Extracted: 05-Sep-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 05-Sep-97	Dilution: 1
	Report Basis: AS RECEIVED	Prep Batch: v09038	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.9	ug/l	50	100	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	47.1	ug/l	50	94	85 - 115
2037-26-5	TOLUENE-D8	56.4	ug/l	50	113	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709038
Client Name: Keiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2446

Reported on: Tuesday, September 16, 1997

Field ID: GW17008RM
Lab ID: 9709038-1

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 03-Sep-97
Date Extracted: 05-Sep-97
Date Analyzed: 05-Sep-97
Prep Batch: v09038

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709038
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2448

Reported on: Tuesday, September 18, 1997

Client ID: GW17009RM
Lab ID: 9709038-2

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 03-Sep-97
Date Extracted: 05-Sep-97
Date Analyzed: 05-Sep-97
Prep Batch: V09038

Sample Aliquot: 6
Final Volume: 5
Dilution: 1

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5.5	ug/L	5		
76-13-1	TRICHLOROTRIFLUOROETHANE	4.5	ug/L	5	J	
67-64-1	ACETONE	4	ug/L	100	J	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	4.5	ug/L	5	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	5.5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	14	ug/L	5		
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	2.7	ug/L	5	J	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709038
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2446

Reported on: Tuesday, September 16, 1997

Field ID: GW17009RM
Lab ID: 9709038-2

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 03-Sep-97
Date Extracted: 05-Sep-97
Date Analyzed: 05-Sep-97
Prep Batch: v09038

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	
108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709038
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2446

Reported on: Tuesday, September 16, 1997

Field ID:	GW17009RM	Sample Matrix: liquid	Date Collected: 03-Sep-97	Sample Aliquot:	5
Lab ID:	9709038-2	% Moisture: N/A	Date Extracted: 05-Sep-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 08-Sep-97	Dilution:	1
		Report Basis: AS RECEIVED	Prep Batch: v09038		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	46.6	ug/l	50	93	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	46.8	ug/l	50	94	85 - 115
2037-26-5	TOLUENE-D8	50.4	ug/l	50	101	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709038
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2446

Reported on: Tuesday, September 16, 1997

Field ID: GW1700RM
Lab ID: 9709038-2

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 03-Sep-97
Date Extracted: 05-Sep-97
Date Analyzed: 05-Sep-97
Prep Batch: v09038

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708223
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2437

Reported on: Tuesday, September 16, 1997

Field ID: LABQC
Lab ID: VA970825-1MB

Sample Matrix:	Solid	Date Collected:	25-Aug-97	Sample Aliquot:	5
% Moisture:	N/A	Date Extracted:	25-Aug-97	Final Volume:	5
Cleanup Method:	NONE	Date Analyzed:	25-Aug-97	Dilution:	1
Report Basis:	NA	Prep Batch:	V08223		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/kg	5	U	
74-87-3	CHLOROMETHANE	5	ug/kg	5	U	
75-01-4	VINYL CHLORIDE	10	ug/kg	10	U	
74-83-9	BROMOMETHANE	5	ug/kg	5	U	
75-00-3	CHLOROETHANE	5	ug/kg	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/kg	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/kg	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/kg	5	U	
67-64-1	ACETONE	100	ug/kg	100	U	
75-15-0	CARBON DISULFIDE	5	ug/kg	5	U	
75-09-2	METHYLENE CHLORIDE	5	ug/kg	5	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/kg	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
78-93-3	2-BUTANONE	100	ug/kg	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/kg	5	U	
67-66-3	CHLOROFORM	5	ug/kg	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/kg	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/kg	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/kg	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/kg	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/kg	5	U	
71-43-2	BENZENE	5	ug/kg	5	U	
79-01-6	TRICHLOROETHENE	5	ug/kg	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/kg	5	U	
74-95-3	DIBROMOMETHANE	5	ug/kg	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/kg	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/kg	50	U	
108-88-3	TOLUENE	5	ug/kg	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/kg	5	U	
591-78-6	2-HEXANONE	50	ug/kg	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/kg	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/kg	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/kg	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/kg	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708223
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2437

Reported on: Tuesday, September 16, 1997

Field ID: LABQC
Lab ID: VA970825-1MB

Sample Matrix:	Solid	Date Collected:	25-Aug-97	Sample Aliquot:	5
% Moisture:	N/A	Date Extracted:	25-Aug-97	Final Volume:	5
Cleanup Method:	NONE	Date Analyzed:	25-Aug-97	Dilution:	1
Report Basis:	NA	Prep Batch:	v08223		

108-90-7	CHLOROBENZENE	5	ug/kg	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/kg	5	U	
100-41-4	ETHYLBENZENE	5	ug/kg	5	U	
1330-20-7	TOTAL XYLENES	5	ug/kg	5	U	
100-42-5	STYRENE	5	ug/kg	5	U	
75-25-2	BROMOFORM	5	ug/kg	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/kg	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/kg	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/kg	5	U	
108-86-1	BROMOBENZENE	5	ug/kg	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/kg	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/kg	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/kg	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/kg	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/kg	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/kg	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/kg	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/kg	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/kg	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/kg	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/kg	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/kg	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/kg	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/kg	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/kg	5	U	
91-20-3	NAPHTHALENE	5	ug/kg	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/kg	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	51.3	ug/kg	50	103	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	46.8	ug/kg	50	94	76 - 127
2037-26-5	TOLUENE-D8	50.3	ug/kg	50	101	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708223
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2437

Reported on: Tuesday, September 16, 1997

Field ID: LABQC	Sample Matrix: Solid	Date Collected: 25-Aug-97	Sample Aliquot: 5
Lab ID: VA970825-1MB	% Moisture: N/A	Date Extracted: 25-Aug-97	Final Volume: 5
	Cleanup Method: NONE	Date Analyzed: 25-Aug-97	Dilution: 1
	Report Basis: DRY WEIGHT	Prep Batch: v08223	

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

VOLATILE ORGANICS
Method 8260

Sample ID
SRB1

Lab Name: Paragon Analytics, Inc.
Client Name: Kaiser-Hill Co., L.L.C.
Client Project ID: Rocky Flats E.T.S. RIN 97A2457
Lab Sample ID: VBLK01
Sample Matrix: Soil
Sample Weight: 5 g

Date Collected: N/A
Date Analyzed: 08-25-97
Dilution Factor: 1
Percent Moisture: 0

Analyte	Conc. (ug/kg)	Reporting Limit (ug/kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
Trichlorotrifluoroethane	ND	5
Acetone	ND	20
Iodomethane	ND	5
Carbon Disulfide	ND	5
Methylene chloride	ND	5
trans-1,2-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
Methyl-t-butyl-ether	ND	5
Vinyl acetate	ND	5
cis-1,2-Dichloroethene	ND	5
2-Butanone	ND	20
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
2,2-Dichloropropane	ND	5
Carbon tetrachloride	ND	5
1,1-Dichloropropene	ND	5
1,2-Dichloroethane	ND	5
Benzene	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
2-Chloroethyl vinyl ether	ND	10
cis-1,3-Dichloropropene	ND	5
4-Methyl-2-Pentanone	ND	20
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5

VOLATILE ORGANICS
Method 8260

Lab Name: Paragon Analytics, Inc.
Client Name: Kaiser-Hill Co., L.L.C.
Lab Sample ID: VBLK01

Sample ID: SRB1

Analyte	Conc. (ug/kg)	Reporting Limit (ug/kg)
2-Hexanone	ND	20
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethylbenzene	ND	5
m,p-Xylene	ND	5
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
1,2,3-Trichloropropane	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Bromobenzene	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
4-Chlorotoluene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
Dibromofluoromethane	94	76-127
Toluene-d8	101	83-115
Bromofluorobenzene	103	74-134

ND = Not Detected

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Tuesday, September 02, 1997

[redacted]	LABQC	Sample Matrix:	Solid	Date Collected:	01-Sep-97	Sample Aliquot:	5
[redacted]	VA970901-1MB	% Moisture:	N/A	Date Extracted:	01-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	01-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v08320		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/kg	5	U	
74-87-3	CHLOROMETHANE	5	ug/kg	5	U	
75-01-4	VINYL CHLORIDE	10	ug/kg	10	U	
74-83-9	BROMOMETHANE	5	ug/kg	5	U	
75-00-3	CHLOROETHANE	5	ug/kg	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/kg	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/kg	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/kg	5	U	
67-64-1	ACETONE	100	ug/kg	100	U	
75-15-0	CARBON DISULFIDE	5	ug/kg	5	U	
75-09-2	METHYLENE CHLORIDE	16	ug/kg	5		
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/kg	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
78-93-3	2-BUTANONE	100	ug/kg	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/kg	5	U	
67-66-3	CHLOROFORM	5	ug/kg	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/kg	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/kg	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/kg	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/kg	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/kg	5	U	
71-43-2	BENZENE	5	ug/kg	5	U	
79-01-6	TRICHLOROETHENE	5	ug/kg	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/kg	5	U	
74-95-3	DIBROMOMETHANE	5	ug/kg	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/kg	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/kg	50	U	
108-88-3	TOLUENE	5	ug/kg	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/kg	5	U	
591-78-6	2-HEXANONE	50	ug/kg	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/kg	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/kg	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/kg	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/kg	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439
Reported on: Tuesday, September 02, 1997

LABQC	Sample Matrix:	Solid	Date Collected:	01-Sep-97	Sample Aliquot:	5
VA970901-1MB	% Moisture:	N/A	Date Extracted:	01-Sep-97	Final Volume:	5
	Cleanup Method:	NONE	Date Analyzed:	01-Sep-97	Dilution:	1
	Report Basis:	NA	Prep Batch:	v08320		

108-90-7	CHLOROBENZENE	5	ug/kg	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/kg	5	U	
100-41-4	ETHYLBENZENE	5	ug/kg	5	U	
1330-20-7	TOTAL XYLENES	5	ug/kg	5	U	
100-42-5	STYRENE	5	ug/kg	5	U	
75-25-2	BROMOFORM	5	ug/kg	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/kg	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/kg	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/kg	5	U	
108-86-1	BROMOBENZENE	5	ug/kg	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/kg	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/kg	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/kg	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/kg	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/kg	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/kg	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/kg	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/kg	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/kg	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/kg	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/kg	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/kg	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/kg	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/kg	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/kg	5	U	
91-20-3	NAPHTHALENE	5	ug/kg	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/kg	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.5	ug/kg	50	97	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	49.5	ug/kg	50	99	76 - 127
2037-26-5	TOLUENE-D8	52.8	ug/kg	50	106	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9706320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Wednesday, September 03, 19

[redacted]	LABQC	Sample Matrix:	liquid	Date Collected:	02-Sep-97	Sample Aliquot:	5
[redacted]	VA970902-1MB	% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v08324		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	2.2	ug/L	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708320
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2439

Reported on: Wednesday, September 03, 19

Client ID:	LABQC
Lab ID:	VA970902-1MB

Sample Matrix:	liquid	Date Collected:	02-Sep-97	Sample Aliquot:	5
% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
Report Basis:	NA	Prep Batch:	v08324		

108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.1	ug/l	50	98	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	49.2	ug/l	50	98	85 - 115
2037-26-5	TOLUENE-D8	51.7	ug/l	50	103	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

Client ID:	LABQC	Sample Matrix:	Solid	Date Collected:	01-Sep-97	Sample Aliquot:	5
Lab ID:	VA970901-1MB	% Moisture:	N/A	Date Extracted:	01-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	01-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v08320		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/kg	5	U	
74-87-3	CHLOROMETHANE	5	ug/kg	5	U	
75-01-4	VINYL CHLORIDE	10	ug/kg	10	U	
74-83-9	BROMOMETHANE	5	ug/kg	5	U	
75-00-3	CHLOROETHANE	5	ug/kg	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/kg	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/kg	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/kg	5	U	
67-64-1	ACETONE	100	ug/kg	100	U	
75-15-0	CARBON DISULFIDE	5	ug/kg	5	U	
75-09-2	METHYLENE CHLORIDE	16	ug/kg	5		
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/kg	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
78-93-3	2-BUTANONE	100	ug/kg	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/kg	5	U	
67-66-3	CHLOROFORM	5	ug/kg	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/kg	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/kg	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/kg	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/kg	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/kg	5	U	
71-43-2	BENZENE	5	ug/kg	5	U	
79-01-6	TRICHLOROETHENE	5	ug/kg	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/kg	5	U	
74-95-3	DIBROMOMETHANE	5	ug/kg	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/kg	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/kg	50	U	
108-88-3	TOLUENE	5	ug/kg	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/kg	5	U	
591-78-6	2-HEXANONE	50	ug/kg	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/kg	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/kg	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/kg	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/kg	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440

Reported on: Tuesday, September 02, 1997

[redacted]	LABQC	Sample Matrix:	Solid	Date Collected:	01-Sep-97	Sample Aliquot:	5
[redacted]	VA970901-1MB	% Moisture:	N/A	Date Extracted:	01-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	01-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v08320		

108-90-7	CHLOROBENZENE	5	ug/kg	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/kg	5	U	
100-41-4	ETHYLBENZENE	5	ug/kg	5	U	
1330-20-7	TOTAL XYLENES	5	ug/kg	5	U	
100-42-5	STYRENE	5	ug/kg	5	U	
75-25-2	BROMOFORM	5	ug/kg	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/kg	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/kg	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/kg	5	U	
108-86-1	BROMOBENZENE	5	ug/kg	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/kg	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/kg	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/kg	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/kg	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/kg	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/kg	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/kg	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/kg	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/kg	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/kg	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/kg	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/kg	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/kg	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/kg	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/kg	5	U	
91-20-3	NAPHTHALENE	5	ug/kg	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/kg	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.5	ug/kg	50	97	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	49.5	ug/kg	50	99	76 - 127
2037-26-5	TOLUENE-D8	52.8	ug/kg	50	106	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440
Reported on: Wednesday, September 03, 19

[illegible]	LABQC
[illegible]	VA970902-1MB

Sample Matrix:	liquid	Date Collected:	02-Sep-97	Sample Aliquot:	5
% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
Report Basis:	NA	Prep Batch:	v08324		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	2.2	ug/L	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708321
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2440
Reported on: Wednesday, September 03, 19

[redacted]	LABQC
[redacted]	VA970902-1MB

Sample Matrix:	liquid	Date Collected:	02-Sep-97	Sample Aliquot:	5
% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
Report Basis:	NA	Prep Batch:	v08324		

108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.1	ug/l	50	98	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	49.2	ug/l	50	98	85 - 115
2037-26-5	TOLUENE-D8	51.7	ug/l	50	103	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9706323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441
Reported on: Wednesday, September 03, 19

LABQC	Sample Matrix:	Solid	Date Collected:	01-Sep-97	Sample Aliquot:	5
VA970901-1MB	% Moisture:	N/A	Date Extracted:	01-Sep-97	Final Volume:	5
	Cleanup Method:	NONE	Date Analyzed:	01-Sep-97	Dilution:	1
	Report Basis:	NA	Prep Batch:	v08320		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/kg	5	U	
74-87-3	CHLOROMETHANE	5	ug/kg	5	U	
75-01-4	VINYL CHLORIDE	10	ug/kg	10	U	
74-83-9	BROMOMETHANE	5	ug/kg	5	U	
75-00-3	CHLOROETHANE	5	ug/kg	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/kg	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/kg	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/kg	5	U	
67-64-1	ACETONE	100	ug/kg	100	U	
75-15-0	CARBON DISULFIDE	5	ug/kg	5	U	
75-09-2	METHYLENE CHLORIDE	16	ug/kg	5		
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/kg	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
78-93-3	2-BUTANONE	100	ug/kg	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/kg	5	U	
67-66-3	CHLOROFORM	5	ug/kg	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/kg	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/kg	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/kg	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/kg	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/kg	5	U	
71-43-2	BENZENE	5	ug/kg	5	U	
79-01-6	TRICHLOROETHENE	5	ug/kg	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/kg	5	U	
74-95-3	DIBROMOMETHANE	5	ug/kg	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/kg	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/kg	50	U	
108-88-3	TOLUENE	5	ug/kg	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/kg	5	U	
591-78-6	2-HEXANONE	50	ug/kg	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/kg	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/kg	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/kg	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/kg	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441
Reported on: Wednesday, September 03, 19

Lab Sample ID:	LABQC	Sample Matrix:	Solid	Date Collected:	01-Sep-97	Sample Aliquot:	5
Client ID:	VA970901-1MB	% Moisture:	N/A	Date Extracted:	01-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	01-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v08320		

108-90-7	CHLOROBENZENE	5	ug/kg	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/kg	5	U	
100-41-4	ETHYLBENZENE	5	ug/kg	5	U	
1330-20-7	TOTAL XYLENES	5	ug/kg	5	U	
100-42-5	STYRENE	5	ug/kg	5	U	
75-25-2	BROMOFORM	5	ug/kg	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/kg	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/kg	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/kg	5	U	
108-86-1	BROMOBENZENE	5	ug/kg	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/kg	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/kg	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/kg	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/kg	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/kg	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/kg	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/kg	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/kg	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/kg	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/kg	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/kg	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/kg	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/kg	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/kg	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/kg	5	U	
91-20-3	NAPHTHALENE	5	ug/kg	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/kg	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.5	ug/kg	50	97	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	49.5	ug/kg	50	99	76 - 127
2037-26-5	TOLUENE-D8	52.8	ug/kg	50	106	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441
Reported on: Wednesday, September 03, 19

LABQC
VA970902-1MB

Sample Matrix:	liquid	Date Collected:	02-Sep-97	Sample Aliquot:	5
% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
Report Basis:	NA	Prep Batch:	v08324		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	2.2	ug/L	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708323
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2441

Reported on: Wednesday, September 03, 19

Lab ID:	LABQC	Sample Matrix:	liquid	Date Collected:	02-Sep-97	Sample Aliquot:	5
Client ID:	VA970902-1MB	% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v08324		

108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.1	ug/l	50	98	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	49.2	ug/l	50	98	85 - 115
2037-26-5	TOLUENE-D8	51.7	ug/l	50	103	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

Lab ID:	LABQC	Sample Matrix:	liquid	Date Collected:	02-Sep-97	Sample Aliquot:	5
Client ID:	VA#70902-1MB	% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v08324		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	2.2	ug/L	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442
Reported on: Wednesday, September 03, 19

Client ID:	LABQC	Sample Matrix:	liquid	Date Collected:	02-Sep-97	Sample Aliquot:	5
Lab ID:	VA970902-1MB	% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v08324		

108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.1	ug/l	50	98	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	49.2	ug/l	50	98	85 - 115
2037-26-5	TOLUENE-D8	51.7	ug/l	50	103	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442
Reported on: Wednesday, September 03, 19

Client ID:	LABQC	Sample Matrix:	Solid	Date Collected:	02-Sep-97	Sample Aliquot:	5
Lab ID:	VA970902-1sMB	% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v083246		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/kg	5	U	
74-87-3	CHLOROMETHANE	5	ug/kg	5	U	
75-01-4	VINYL CHLORIDE	10	ug/kg	10	U	
74-83-9	BROMOMETHANE	5	ug/kg	5	U	
75-00-3	CHLOROETHANE	5	ug/kg	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/kg	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/kg	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/kg	5	U	
67-64-1	ACETONE	100	ug/kg	100	U	
75-15-0	CARBON DISULFIDE	5	ug/kg	5	U	
75-09-2	METHYLENE CHLORIDE	2.2	ug/kg	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/kg	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
78-93-3	2-BUTANONE	100	ug/kg	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/kg	5	U	
67-66-3	CHLOROFORM	5	ug/kg	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/kg	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/kg	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/kg	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/kg	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/kg	5	U	
71-43-2	BENZENE	5	ug/kg	5	U	
79-01-6	TRICHLOROETHENE	5	ug/kg	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/kg	5	U	
74-95-3	DIBROMOMETHANE	5	ug/kg	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/kg	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/kg	50	U	
108-88-3	TOLUENE	5	ug/kg	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/kg	5	U	
591-78-6	2-HEXANONE	50	ug/kg	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/kg	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/kg	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/kg	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/kg	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9708324
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2442

Reported on: Wednesday, September 03, 19

[illegible]:	LABQC	Sample Matrix:	Solid	Date Collected:	02-Sep-97	Sample Aliquot:	5
[illegible]:	VA970902-1sMB	% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v08324s		

108-90-7	CHLOROBENZENE	5	ug/kg	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/kg	5	U	
100-41-4	ETHYLBENZENE	5	ug/kg	5	U	
1330-20-7	TOTAL XYLENES	5	ug/kg	5	U	
100-42-5	STYRENE	5	ug/kg	5	U	
75-25-2	BROMOFORM	5	ug/kg	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/kg	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/kg	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/kg	5	U	
108-86-1	BROMOBENZENE	5	ug/kg	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/kg	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/kg	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/kg	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/kg	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/kg	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/kg	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/kg	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/kg	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/kg	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/kg	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/kg	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/kg	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/kg	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/kg	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/kg	5	U	
91-20-3	NAPHTHALENE	5	ug/kg	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/kg	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.1	ug/kg	50	98	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	49.2	ug/kg	50	98	76 - 127
2037-26-5	TOLUENE-D8	51.7	ug/kg	50	103	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2443

Reported on: Monday, September 08, 1997

Client ID: LABQC
Lab ID: VA970902-1MB

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: NA

Date Collected: 02-Sep-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	2.2	ug/L	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2443

Reported on: Monday, September 08, 1997

LABQC	Sample Matrix:	liquid	Date Collected:	02-Sep-97	Sample Aliquot:	5
VA970902-1MB	% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
	Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
	Report Basis:	NA	Prep Batch:	v08324		

108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.1	ug/l	50	98	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	49.2	ug/l	50	98	85 - 115
2037-26-5	TOLUENE-D8	51.7	ug/l	50	103	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2443

Reported on: Monday, September 08, 1997

[illegible]	LABQC
[illegible]	VA970902-1MB

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2443
Reported on: Monday, September 08, 1997

Lab ID: LABQC
Lab Sample ID: VA970905-1aMB

Sample Matrix:	Solid	Date Collected:	03-Sep-97	Sample Aliquot:	5
% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	5
Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	1
Report Basis:	NA	Prep Batch:	v09017		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/kg	5	U	
74-87-3	CHLOROMETHANE	5	ug/kg	5	U	
75-01-4	VINYL CHLORIDE	10	ug/kg	10	U	
74-83-9	BROMOMETHANE	5	ug/kg	5	U	
75-00-3	CHLOROETHANE	5	ug/kg	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/kg	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/kg	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/kg	5	U	
67-64-1	ACETONE	4.8	ug/kg	100	J	
75-15-0	CARBON DISULFIDE	5	ug/kg	5	U	
75-09-2	METHYLENE CHLORIDE	3.4	ug/kg	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/kg	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
78-93-3	2-BUTANONE	100	ug/kg	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/kg	5	U	
67-66-3	CHLOROFORM	5	ug/kg	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/kg	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/kg	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/kg	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/kg	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/kg	5	U	
71-43-2	BENZENE	5	ug/kg	5	U	
79-01-6	TRICHLOROETHENE	5	ug/kg	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/kg	5	U	
74-95-3	DIBROMOMETHANE	5	ug/kg	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/kg	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/kg	50	U	
108-88-3	TOLUENE	5	ug/kg	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/kg	5	U	
591-78-6	2-HEXANONE	50	ug/kg	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/kg	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/kg	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/kg	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/kg	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2443

Reported on: Monday, September 08, 1997

[redacted]	LABQC	Sample Matrix:	Solid	Date Collected:	03-Sep-97	Sample Aliquot:	5
[redacted]	VA970903-1sM8	% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v09017		

108-90-7	CHLOROBENZENE	5	ug/kg	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/kg	5	U	
100-41-4	ETHYLBENZENE	5	ug/kg	5	U	
1330-20-7	TOTAL XYLENES	5	ug/kg	5	U	
100-42-5	STYRENE	5	ug/kg	5	U	
75-25-2	BROMOFORM	5	ug/kg	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/kg	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/kg	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/kg	5	U	
108-86-1	BROMOBENZENE	5	ug/kg	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/kg	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/kg	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/kg	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/kg	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/kg	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/kg	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/kg	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/kg	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/kg	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/kg	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/kg	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/kg	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/kg	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/kg	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/kg	5	U	
91-20-3	NAPHTHALENE	5	ug/kg	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/kg	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.3	ug/kg	50	97	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	48.4	ug/kg	50	97	76 - 127
2037-26-5	TOLUENE-D8	52.1	ug/kg	50	104	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709002
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2443

Reported on: Monday, September 08, 1997

[redacted]	LABQC
[redacted]	VA970903-1sMB

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: DRY WEIGHT

Date Collected: 03-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2444

Reported on: Monday, September 08, 1997

[redacted]	LABQC	Sample Matrix:	liquid	Date Collected:	02-Sep-97	Sample Aliquot:	5
[redacted]	VA970902-1MB	% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v08324		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/L	5	U	
74-87-3	CHLOROMETHANE	5	ug/L	5	U	
75-01-4	VINYL CHLORIDE	10	ug/L	10	U	
74-83-9	BROMOMETHANE	5	ug/L	5	U	
75-00-3	CHLOROETHANE	5	ug/L	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/L	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/L	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/L	5	U	
67-64-1	ACETONE	100	ug/L	100	U	
75-15-0	CARBON DISULFIDE	5	ug/L	5	U	
75-09-2	METHYLENE CHLORIDE	2.2	ug/L	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/L	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/L	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/L	5	U	
78-93-3	2-BUTANONE	100	ug/L	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/L	5	U	
67-66-3	CHLOROFORM	5	ug/L	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/L	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/L	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/L	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/L	5	U	
71-43-2	BENZENE	5	ug/L	5	U	
79-01-6	TRICHLOROETHENE	5	ug/L	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/L	5	U	
74-95-3	DIBROMOMETHANE	5	ug/L	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/L	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/L	50	U	
108-88-3	TOLUENE	5	ug/L	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/L	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/L	5	U	
591-78-6	2-HEXANONE	50	ug/L	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/L	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/L	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/L	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/L	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2444

Reported on: Monday, September 08, 1997

Lab ID:	LABOC	Sample Matrix:	liquid	Date Collected:	02-Sep-97	Sample Aliquot:	5
Lab Sample ID:	VA970902-1MB	% Moisture:	N/A	Date Extracted:	02-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	02-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v08324		

108-90-7	CHLOROBENZENE	5	ug/L	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/L	5	U	
100-41-4	ETHYLBENZENE	5	ug/L	5	U	
1330-20-7	TOTAL XYLENES	5	ug/L	5	U	
100-42-5	STYRENE	5	ug/L	5	U	
75-25-2	BROMOFORM	5	ug/L	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/L	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/L	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	5	U	
108-86-1	BROMOBENZENE	5	ug/L	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/L	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/L	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/L	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/L	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/L	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/L	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/L	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/L	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/L	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/L	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/L	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/L	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/L	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/L	5	U	
91-20-3	NAPHTHALENE	5	ug/L	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/L	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	49.1	ug/l	50	98	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	49.2	ug/l	50	98	85 - 115
2037-26-5	TOLUENE-D8	51.7	ug/l	50	103	88 - 110

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2444

Reported on: Monday, September 08, 1997

Client ID:	LABQC
Client ID:	VA970902-1MB

Sample Matrix: liquid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: AS RECEIVED

Date Collected: 02-Sep-97
Date Extracted: 02-Sep-97
Date Analyzed: 02-Sep-97
Prep Batch: v08324

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2444

Reported on: Monday, September 08, 1997

Matrix:	LABQC
Lab ID:	VA970903-1sMB

Sample Matrix:	Solid	Date Collected:	03-Sep-97	Sample Aliquot:	5
% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	5
Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	1
Report Basis:	NA	Prep Batch:	v09017		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/kg	5	U	
74-87-3	CHLOROMETHANE	5	ug/kg	5	U	
75-01-4	VINYL CHLORIDE	10	ug/kg	10	U	
74-83-9	BROMOMETHANE	5	ug/kg	5	U	
75-00-3	CHLOROETHANE	5	ug/kg	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/kg	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/kg	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/kg	5	U	
67-64-1	ACETONE	4.8	ug/kg	100	J	
75-15-0	CARBON DISULFIDE	5	ug/kg	5	U	
75-09-2	METHYLENE CHLORIDE	3.4	ug/kg	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/kg	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
78-93-3	2-BUTANONE	100	ug/kg	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/kg	5	U	
67-66-3	CHLOROFORM	5	ug/kg	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/kg	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/kg	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/kg	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/kg	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/kg	5	U	
71-43-2	BENZENE	5	ug/kg	5	U	
79-01-6	TRICHLOROETHENE	5	ug/kg	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/kg	5	U	
74-95-3	DIBROMOMETHANE	5	ug/kg	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/kg	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/kg	50	U	
108-88-3	TOLUENE	5	ug/kg	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/kg	5	U	
591-78-6	2-HEXANONE	50	ug/kg	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/kg	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/kg	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/kg	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/kg	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2444
Reported on: Monday, September 08, 1997

Field ID:	LABQC	Sample Matrix:	Solid	Date Collected:	03-Sep-97	Sample Aliquot:	5
Lab ID:	VA970903-16MB	% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v09017		

108-90-7	CHLOROBENZENE	5	ug/kg	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/kg	5	U	
100-41-4	ETHYLBENZENE	5	ug/kg	5	U	
1330-20-7	TOTAL XYLENES	5	ug/kg	5	U	
100-42-5	STYRENE	5	ug/kg	5	U	
75-25-2	BROMOFORM	5	ug/kg	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/kg	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/kg	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/kg	5	U	
108-86-1	BROMOBENZENE	5	ug/kg	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/kg	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/kg	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/kg	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/kg	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/kg	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/kg	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/kg	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/kg	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/kg	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/kg	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/kg	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/kg	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/kg	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/kg	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/kg	5	U	
91-20-3	NAPHTHALENE	5	ug/kg	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/kg	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.3	ug/kg	50	97	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	48.4	ug/kg	50	97	76 - 127
2037-26-5	TOLUENE-D8	52.1	ug/kg	50	104	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709003
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN# 97A2444

Reported on: Monday, September 08, 1997

[illegible]	LABQC
[illegible]	VA970903-1sMB

Sample Matrix: Solid
% Moisture: N/A
Cleanup Method: NONE
Report Basis: DRY WEIGHT

Date Collected: 03-Sep-97
Date Extracted: 03-Sep-97
Date Analyzed: 03-Sep-97
Prep Batch: v09017

Sample Aliquot: 5
Final Volume: 5
Dilution: 1

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445
Reported on: Monday, September 08, 1997

[illegible]	LABQC
[illegible]	VA970903-1sMB

Sample Matrix:	Solid	Date Collected:	03-Sep-97	Sample Aliquot:	5
% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	5
Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	1
Report Basis:	NA	Prep Batch:	v09017		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/kg	5	U	
74-87-3	CHLOROMETHANE	5	ug/kg	5	U	
75-01-4	VINYL CHLORIDE	10	ug/kg	10	U	
74-83-9	BROMOMETHANE	5	ug/kg	5	U	
75-00-3	CHLOROETHANE	5	ug/kg	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/kg	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/kg	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/kg	5	U	
67-64-1	ACETONE	4.6	ug/kg	100	J	
75-15-0	CARBON DISULFIDE	5	ug/kg	5	U	
75-09-2	METHYLENE CHLORIDE	3.4	ug/kg	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/kg	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
78-93-3	2-BUTANONE	100	ug/kg	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/kg	5	U	
67-66-3	CHLOROFORM	5	ug/kg	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/kg	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/kg	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/kg	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/kg	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/kg	5	U	
71-43-2	BENZENE	5	ug/kg	5	U	
79-01-6	TRICHLOROETHENE	5	ug/kg	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/kg	5	U	
74-95-3	DIBROMOMETHANE	5	ug/kg	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/kg	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/kg	50	U	
108-88-3	TOLUENE	5	ug/kg	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/kg	5	U	
591-78-6	2-HEXANONE	50	ug/kg	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/kg	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/kg	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/kg	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/kg	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445
Reported on: Monday, September 08, 1997

Field ID:	LABQC	Sample Matrix:	Solid	Date Collected:	03-Sep-97	Sample Aliquot:	5
Lab ID:	VA970903-1sMB	% Moisture:	N/A	Date Extracted:	03-Sep-97	Final Volume:	5
		Cleanup Method:	NONE	Date Analyzed:	03-Sep-97	Dilution:	1
		Report Basis:	NA	Prep Batch:	v09017		

108-90-7	CHLOROBENZENE	5	ug/kg	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/kg	5	U	
100-41-4	ETHYLBENZENE	5	ug/kg	5	U	
1330-20-7	TOTAL XYLENES	5	ug/kg	5	U	
100-42-5	STYRENE	5	ug/kg	5	U	
75-25-2	BROMOFORM	5	ug/kg	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/kg	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/kg	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/kg	5	U	
108-86-1	BROMOBENZENE	5	ug/kg	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/kg	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/kg	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/kg	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/kg	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/kg	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/kg	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/kg	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/kg	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/kg	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/kg	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/kg	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/kg	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/kg	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/kg	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/kg	5	U	
91-20-3	NAPHTHALENE	5	ug/kg	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/kg	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.3	ug/kg	50	97	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	48.4	ug/kg	50	97	76 - 127
2037-26-5	TOLUENE-D8	52.1	ug/kg	50	104	83 - 115

U = Less than the Reporting Limit

Volatile Organics by GC/MS

Method SW8260

Tentatively Identified Compounds

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709017
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2445

Reported on: Monday, September 08, 1997

Client ID:	LABQC	Sample Matrix: Solid	Date Collected: 03-Sep-97	Sample Aliquot:	5
Lab ID:	VA970903-1sMB	% Moisture: N/A	Date Extracted: 03-Sep-97	Final Volume:	5
		Cleanup Method: NONE	Date Analyzed: 03-Sep-97	Dilution:	1
		Report Basis: DRY WEIGHT	Prep Batch: v09017		

Retention Time	TIC Analyte	Result	Units	TIC Qualifier
-	NONE DETECTED			

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709112
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2447

Reported on: Thursday, September 18, 1997

LABQC	Sample Matrix:	Solid	Date Collected:	17-Sep-97	Sample Aliquot:	5
VA970917-1MB	% Moisture:	N/A	Date Extracted:	17-Sep-97	Final Volume:	5
	Cleanup Method:	NONE	Date Analyzed:	17-Sep-97	Dilution:	1
	Report Basis:	NA	Prep Batch:	v09112		

CASNO	Target Analyte	Result	Units	Reporting Limit	Result Qualifier	Result Footnote
75-71-8	DICHLORODIFLUOROMETHANE	5	ug/kg	5	U	
74-87-3	CHLOROMETHANE	5	ug/kg	5	U	
75-01-4	VINYL CHLORIDE	10	ug/kg	10	U	
74-83-9	BROMOMETHANE	5	ug/kg	5	U	
75-00-3	CHLOROETHANE	5	ug/kg	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	5	ug/kg	5	U	
75-35-4	1,1-DICHLOROETHENE	5	ug/kg	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	5	ug/kg	5	U	
67-64-1	ACETONE	100	ug/kg	100	U	
75-15-0	CARBON DISULFIDE	5	ug/kg	5	U	
75-09-2	METHYLENE CHLORIDE	3.2	ug/kg	5	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
75-34-3	1,1-DICHLOROETHANE	5	ug/kg	5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/kg	5	U	
78-93-3	2-BUTANONE	100	ug/kg	100	U	
74-97-5	BROMOCHLOROMETHANE	5	ug/kg	5	U	
67-66-3	CHLOROFORM	5	ug/kg	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/kg	5	U	
594-20-7	2,2-DICHLOROPROPANE	5	ug/kg	5	U	
56-23-5	CARBON TETRACHLORIDE	5	ug/kg	5	U	
563-58-6	1,1-DICHLOROPROPENE	5	ug/kg	5	U	
107-06-2	1,2-DICHLOROETHANE	5	ug/kg	5	U	
71-43-2	BENZENE	5	ug/kg	5	U	
79-01-6	TRICHLOROETHENE	5	ug/kg	5	U	
78-87-5	1,2-DICHLOROPROPANE	5	ug/kg	5	U	
74-95-3	DIBROMOMETHANE	5	ug/kg	5	U	
75-27-4	BROMODICHLOROMETHANE	5	ug/kg	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
108-10-1	4-METHYL-2-PENTANONE	50	ug/kg	50	U	
108-88-3	TOLUENE	5	ug/kg	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	ug/kg	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	5	ug/kg	5	U	
591-78-6	2-HEXANONE	50	ug/kg	50	U	
127-18-4	TETRACHLOROETHENE	5	ug/kg	5	U	
142-28-9	1,3-DICHLOROPROPANE	5	ug/kg	5	U	
124-48-1	DIBROMOCHLOROMETHANE	5	ug/kg	5	U	
106-93-4	1,2-DIBROMOETHANE	5	ug/kg	5	U	

Volatile Organics by GC/MS

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 9709112
Client Name: Kaiser-Hill Co., L.L.C.
ClientProject ID: RIN #97A2447

Reported on: Thursday, September 18, 1997

LABQC
VA970917-1MB

Sample Matrix:	Solid	Date Collected:	17-Sep-97	Sample Aliquot:	5
% Moisture:	N/A	Date Extracted:	17-Sep-97	Final Volume:	5
Cleanup Method:	NONE	Date Analyzed:	17-Sep-97	Dilution:	1
Report Basis:	NA	Prep Batch:	v09112		

108-90-7	CHLOROBENZENE	5	ug/kg	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/kg	5	U	
100-41-4	ETHYLBENZENE	5	ug/kg	5	U	
1330-20-7	TOTAL XYLENES	5	ug/kg	5	U	
100-42-5	STYRENE	5	ug/kg	5	U	
75-25-2	BROMOFORM	5	ug/kg	5	U	
98-82-8	ISOPROPYLBENZENE	5	ug/kg	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	5	ug/kg	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/kg	5	U	
108-86-1	BROMOBENZENE	5	ug/kg	5	U	
103-65-1	N-PROPYLBENZENE	5	ug/kg	5	U	
95-49-8	2-CHLOROTOLUENE	5	ug/kg	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/kg	5	U	
106-43-4	4-CHLOROTOLUENE	5	ug/kg	5	U	
98-06-6	TERT-BUTYLBENZENE	5	ug/kg	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/kg	5	U	
135-98-8	SEC-BUTYLBENZENE	5	ug/kg	5	U	
541-73-1	1,3-DICHLOROBENZENE	5	ug/kg	5	U	
99-87-6	P-ISOPROPYLTOLUENE	5	ug/kg	5	U	
106-46-7	1,4-DICHLOROBENZENE	5	ug/kg	5	U	
104-51-8	N-BUTYLBENZENE	5	ug/kg	5	U	
95-50-1	1,2-DICHLOROBENZENE	5	ug/kg	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/kg	5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/kg	5	U	
87-68-3	HEXACHLOROBUTADIENE	5	ug/kg	5	U	
91-20-3	NAPHTHALENE	5	ug/kg	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/kg	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Units	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	52.2	ug/kg	50	104	74 - 134
1868-53-7	DIBROMOFLUOROMETHANE	50.8	ug/kg	50	102	76 - 127
2037-26-5	TOLUENE-D8	53.8	ug/kg	50	108	83 - 115

U = Less than the Reporting Limit

Quality Control/ Quality Assurance Sample Summary - VOA

Borehole No.	QC Sample Type	Sample No	Acetone	Methylene Chloride	Units	
Lab Blank	LABQC	VLBK01	nd<20	nd<5	ug/Kg	
Method Blank	LABQC	VA970825-1MB	nd<100	nd<5	ug/L	
Method Blank	LABQC	VA970901-1MB	nd<100	16	ug/L	
Method Blank	LABQC	VA970902-1MB	nd<100	2.2	ug/L	
Method Blank	LABQC	VA970903-1aMB	4.8 J	3.4 J	ug/Kg	
Method Blank	LABQC	VA970917-1MB	nd<100	3.2J	ug/Kg	
BH17197	TB	BH17006RM	7.3 J	4.1 J	ug/L	Napthalene = 2.2 ug/L
BH17397	TB	BH17011RM	nd<100	4.8 JB	ug/L	
BH17597	TB	BH17017RM	5.5 J	nd<5	ug/L	
BH17597	DUP	BH17005RM	nd<13000	330 JB	ug/Kg	
BH17697	RB	BH17002RM	nd<100	nd<5	ug/L	
BH17797	TB	BH17021RM	5.8 J	2.2 J	ug/L	
BH17897	TB	BH17022RM	nd<100	7.5 B	ug/L	
BH17997	DUP	GW17003RM	nd<100	3 JB	ug/L	
BH17997	TB	GW17004RM	nd<100	2.7 JB	ug/L	
BH17997	RB	GW17005RM	nd<100	3.6 JB	ug/L	
BH18097	DUP	BH17029RM	nd<13000	420 JB	ug/Kg	
BH18297	TB	BH17031RM	nd<100	7.9 B	ug/L	
BH18497	RB	BH17035RM	nd<100	3.4 JB	ug/L	
BH18597	TB	BH17036RM	3 J	8.3 B	ug/L	
BH18797	TB	BH17039RM	nd<100	2.3	ug/L	
BH18897	TB	GW17008RM	nd<100	5.2 B	ug/L	
BH18997	TB	BH17048RM	nd<100	16B	ug/L	

J = Estimated concentration of analyte detected below method practical quantitation limit
B = Analyte appears in method blank

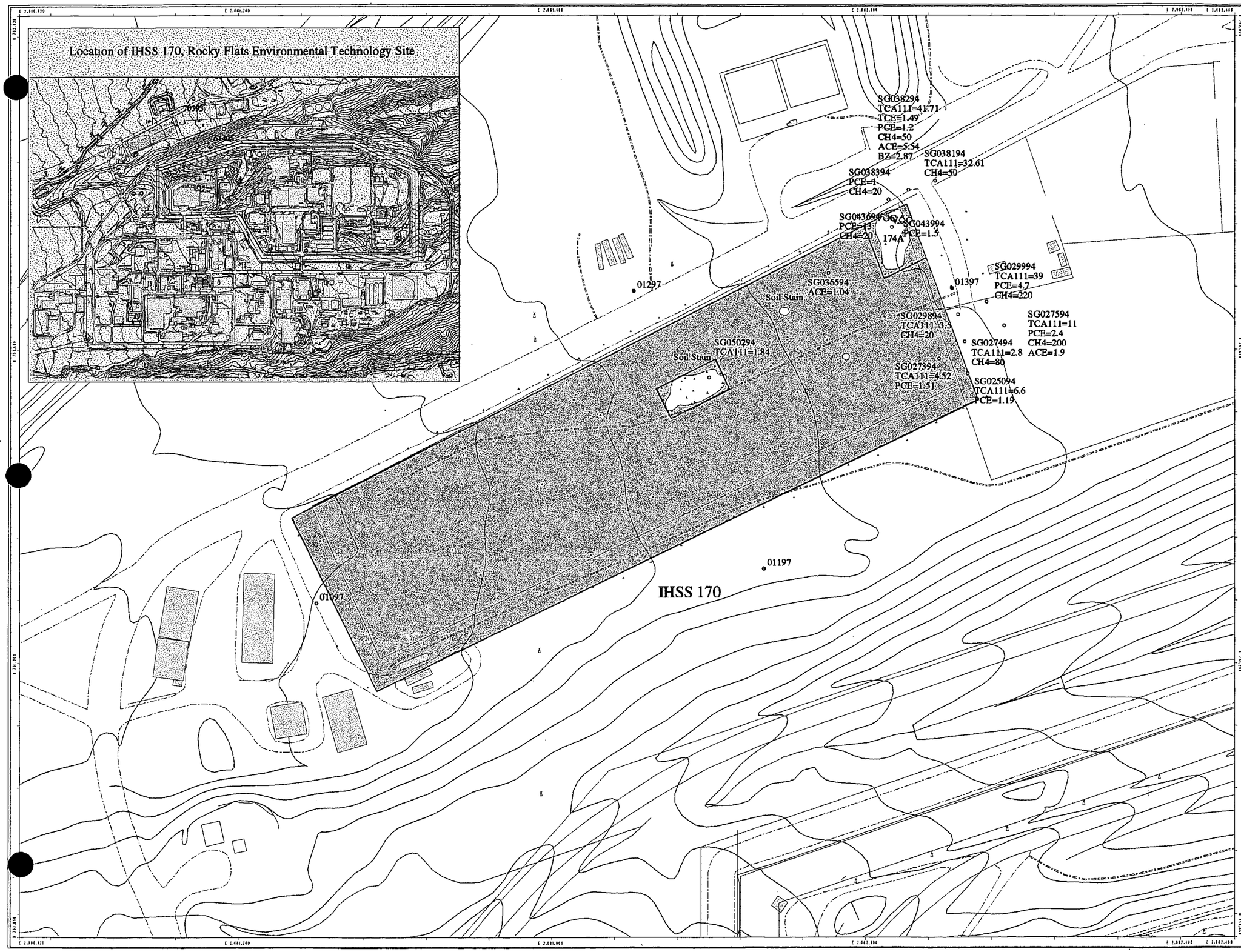
Quality Control/ Quality Assurance Sample Summary - Radioisotopes

Borehole No.	QC Sample Type	Sample No			Units
SS17097	DUP	SS17001RM			pCi/gm

Quality Control/ Quality Assurance Sample Summary - TCLP metals

Borehole No.	QC Sample Type	Sample No			Units
BH18097	DUP	BP17012RM			ug/L
BH18097	RB	BP17013RM			ug/L

A data summary report for validated data will be inserted pending receipt.



IHSS's 170, 174A & 174B Property Utilization & Storage Yard Location Map Figure 1-1

EXPLANATION

- OU10 IHSS
- Oil Stain Location
- New RFCA Groundwater Monitoring Wells under FY97 WARP
- Groundwater well location
- Power Poles
- Soil-Gas Sampling Location
- Soil-Gas Sampling Location with concentrations of volatile organic compounds equal to or above the detection limit of 1.0 microgram per liter (*See note)
- Surface Soil Sample with Volatile Organic Compounds detected

Standard Map Features

- Buildings or other structures
- Streams, ditches, or other drainage features
- Fences and other barriers
- Paved roads
- Dirt roads
- Contours (5 foot)

DATA SOURCE:
Buildings, fences, hydrography, roads and other structures from 1994 aerial fly-over data captured by EG&G RSL, Las Vegas.
Digitized from the orthophotographs. 1/95

NOTE:
Concentrations are in ug/L

ACE = Acetone
BZ = Benzene
CH4 = Methane
PCE = Tetrachloroethane
TCA111 = 1,1,1-Trichloroethane
TCE = Trichloroethene

Scale = 1 : 1400
1 inch represents approximately 117 feet

25 0 50 100 ft

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:

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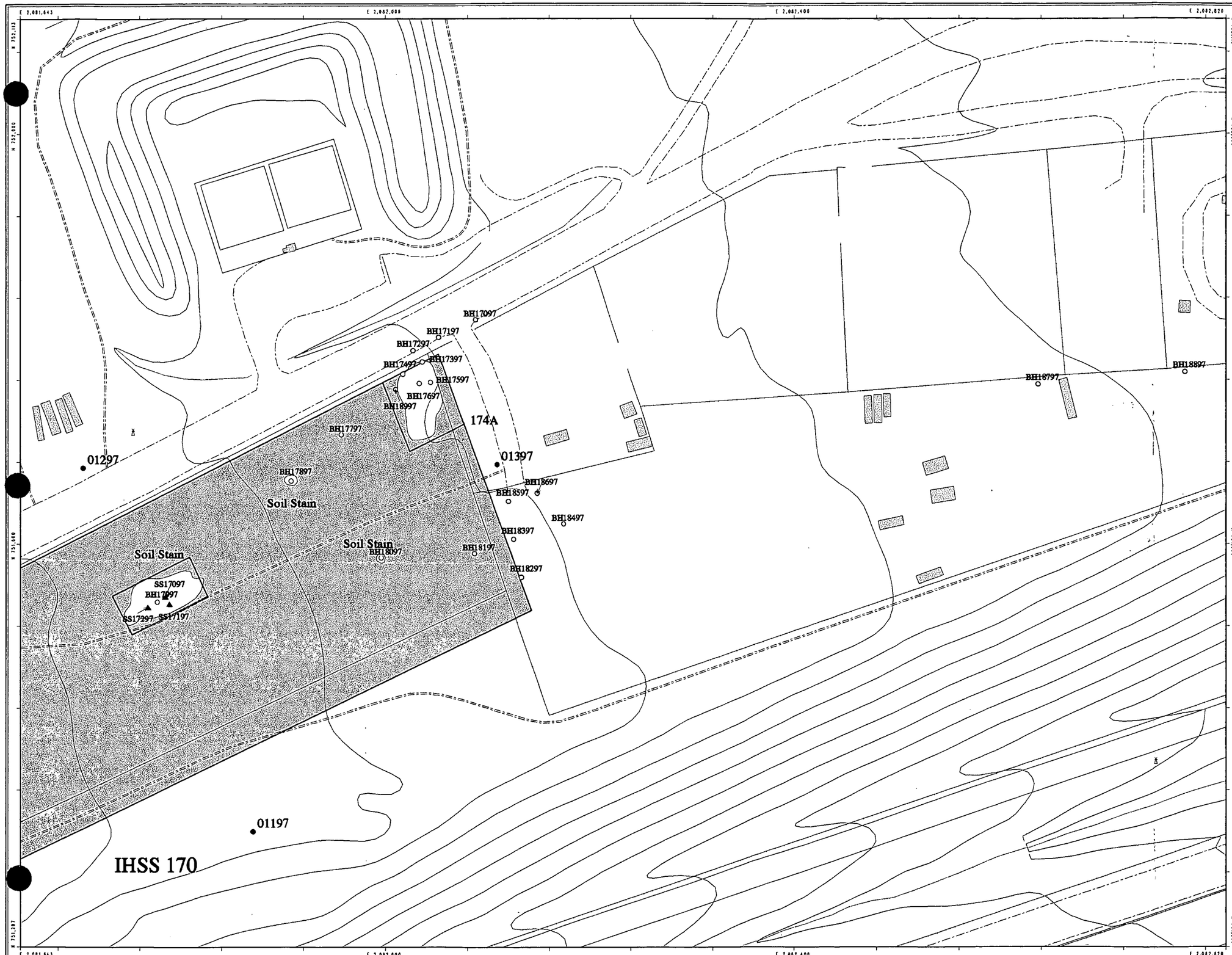
MAP ID: 97-0192

September 17, 1997

/gis2/projects/fy97/97-0192/fig1-1.aml



IHSS's 170, 174A & 174B Property Utilization & Storage Yard Boring Location Map Figure 2-1

EXPLANATION

- OU10 IHSS
- Oil Stain Location
- Power Poles
- Borehole Locations
- Surface Soil Sampling Locations
- Monitoring Wells

Standard Map Features

- Buildings or other structures
- Streams, ditches, or other drainage features
- Fences and other barriers
- Paved roads
- Dirt roads
- Contours (5 foot)

DATA SOURCE:
Buildings, fences, hydrography, roads and other structures from 1994 aerial fly-over data captured by EG&G RSL, Las Vegas. Digitized from the orthophotographs. 1/95

N

Scale = 1 : 1080
1 inch represents 90 feet

25 0 50 100ft

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:

RMRS Rocky Mountain Remediation Services, L.L.C.
Geographic Information Systems Group
Rocky Flats Environmental Technology Site
P.O. Box 464
Golden, CO 80402-0464

MAP ID: 97-0192 September 25, 1997

/gist/projects/fy97/97-0192/fig2-1-b.aml