

Exhibit J-1

1990 Remediation Report

EXCAVATION OF CONTAMINATED SOILS

**SAFETY-KLEEN
BOISE, IDAHO**

September, 1990

Prepared For:

**SAFETY-KLEEN CORP.
777 Big Timber Road
Elgin, Illinois 60123**

Prepared By:

**GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
Consulting Engineers
345 North 95th Street
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891759

TABLE OF CONTENTS

	<u>Page</u>
Facility Description Abstract.....	ii
Introduction.....	1
Background.....	1
Remedial Activities.....	4
Field Screening for Volatile Organic Compounds.....	4
Soil Sampling Procedures.....	4
Excavation of Contaminated Soils.....	7
Laboratory Results.....	12
Summary.....	12

FIGURES

Figure 1	General Location Map.....	2
Figure 2	Soil Boring Location Map.....	3
Figure 3	Excavation and Sample Locations Map.....	5

TABLES

Table 1	Flame Ionization Detector Readings.....	8,9
Table 2	Laboratory Results of Compounds Detected in Soil Samples.....	13

APPENDICES

Appendix A	Laboratory Results and Chain-of Custody Documentation
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FACILITY DESCRIPTION ABSTRACT

CORPORATE HEADQUARTERS: Safety-Kleen Corp.
777 Big Timber Road
Elgin, Illinois 60123
312-697-8460

RESPONSIBLE OFFICIALS: David A. Dattilo
Vice President, Sales and Service

Scott E. Fore
Vice President, Environment, Health and Safety

FACILITY ADDRESS: Safety-Kleen Corp. (1-183-08)
Supply Way and Gowen Road
Boise Industrial Park
Boise, Idaho 83705

TELEPHONE NUMBER: 208-376-5421

GEOGRAPHIC LOCATION: 43° 32' 38" N
116° 10' 54" W

OWNER: Safety-Kleen Corp.

DESCRIPTION OF ACTIVITIES: This property was recently purchased by Safety-Kleen Corp. Upon obtaining a permit to operate, the facility will function as an accumulation point for spent solvents generated by Safety-Kleen customers, the majority of whom are small quantity generators. All wastes are ultimately shipped to a Safety-Kleen recycling facility or to a contract reclaimer and are then returned to the Company's customers as product.

INTRODUCTION

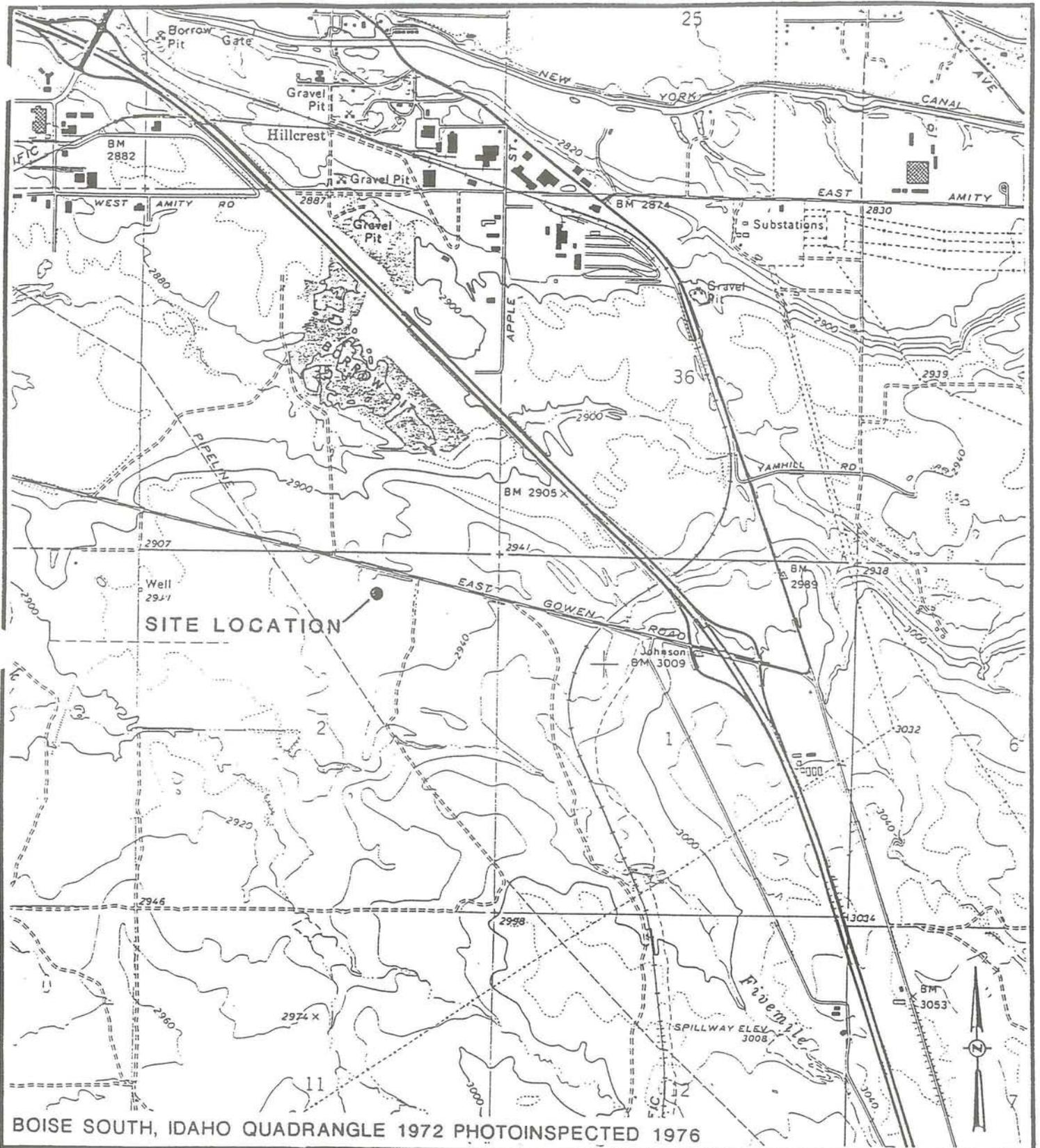
Graef, Anhalt, Schloemer and Associates Inc. (GAS) was contracted by Safety-Kleen Corp. to remediate (by excavation) previously identified areas of contaminated soil on their recently purchased property in Boise, Idaho. The property is the proposed site of a Safety-Kleen Service Center located in Boise Industrial Park at the southeast corner of Supply Way Road and Gowen Road in Boise, Idaho (Figure 1).

An initial RCRA facility assessment was conducted by the Idaho Department of Health and Welfare (IDHW) on April 25, 1989. The IDHW initially identified areas of ground surface contamination. Further subsurface investigations performed by GAS on December 1, 1989 resulted in the identification of areas targeted for soil removal. This report discusses the initial field investigations and includes the field procedures, laboratory results, conclusions and recommendations from the remedial activities conducted on site.

BACKGROUND

On April 25, 1989, the IDHW conducted an on-site RCRA facility assessment. Areas of visual soil staining were sampled. Petroleum hydrocarbons (characterized as diesel fuel) were discovered within the soil samples. One sample contained a low concentration (0.35 ppb) of tetrachloroethylene. Because the diesel fuel and tetrachloroethylene were thought to have been used as solvents, the contaminants were designated by the IDHW as hazardous waste constituents. The IDHW then requested Safety-Kleen Corp. to determine the vertical and lateral extents of on-site soil contamination.

On December 1, 1989, GAS directed a soil boring and sampling program to determine the extent of soil contamination at the proposed Safety-Kleen site in Boise, Idaho (Figure 2). A total of 13 soil borings were completed, and 26 soil samples were analyzed for total petroleum hydrocarbons (TPH) and volatile organic compounds (VOC, by EPA Method 8240). Laboratory analyses of the soil samples confirmed that the five stained areas were contaminated with petroleum hydrocarbons. From the results of this investigation, the extent of contamination was determined and a plan for the removal of contaminated soil was proposed (GAS report for the proposed Boise, Idaho site, entitled "Contaminant Study", dated January, 1990).



BOISE SOUTH, IDAHO QUADRANGLE 1972 PHOTOINSPECTED 1976

SCALE: 1:24000

DATE: 1/11/90

SAFTEY-KLEEN

BOISE, IDAHO FACILITY

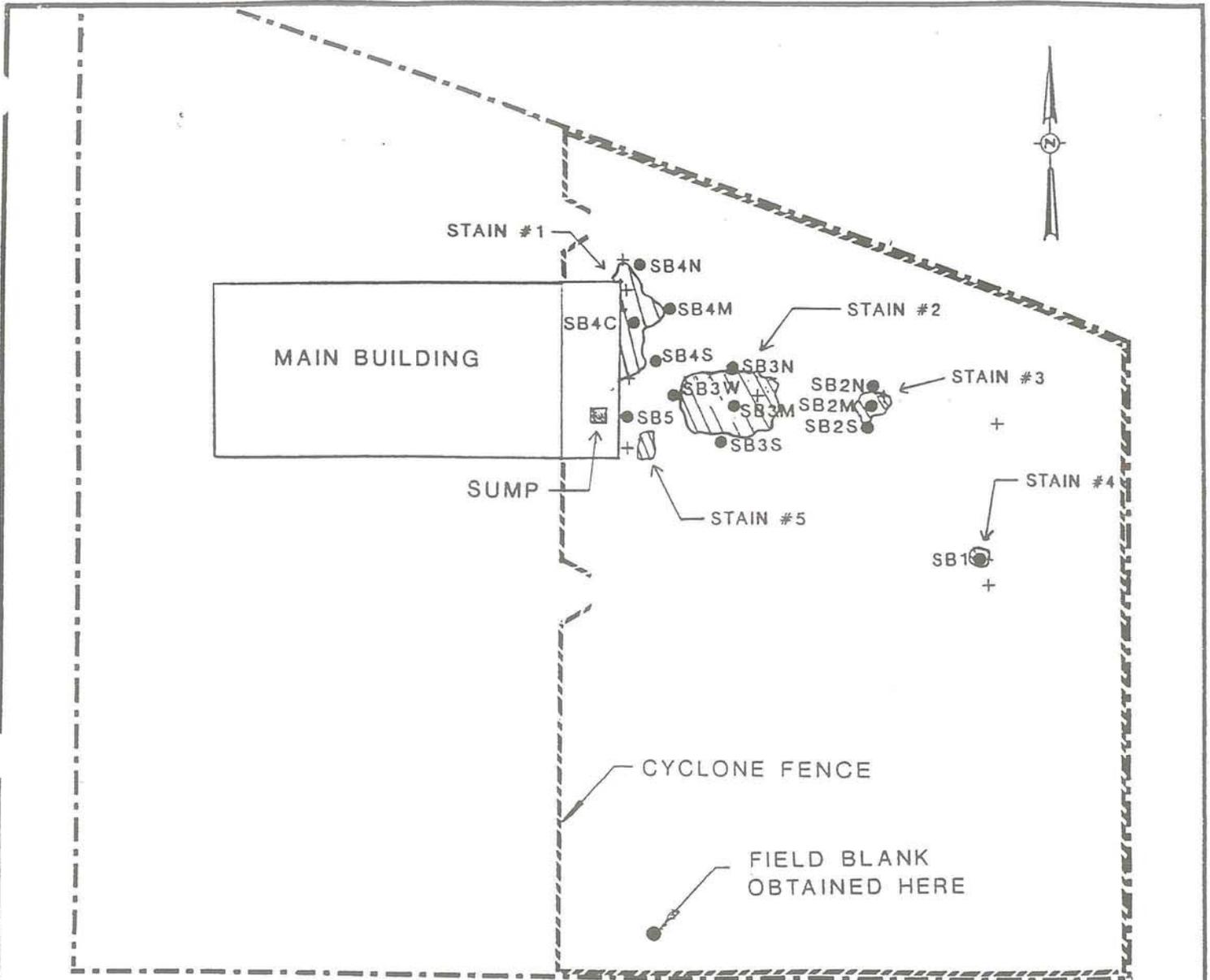
GENERAL LOCATION MAP

**GRAEF
ANHALT
SCHLOEMER**

CONSULTING ENGINEERS

ASSOCIATES INC.

345 North 95th Street
Milwaukee, Wisconsin 53226



SCALE: NOT TO SCALE

SOIL BORING LOCATION MAP

DATE: 12-15-89

LEGEND

-  = STAINED SOIL AREA
-  = SOIL BORING LOCATIONS
-  = LANDFILL COMPOSITE LOCATION
-  = PROPERTY LINE

DRAF
ANHALT
SCHLOEMER

CONSULTING ENGINEERS

ASSOCIATES INC.

345 North 95th Street
Milwaukee, Wisconsin 53226

The proposal for remediation was reviewed by the IDHW and modified at their request. The amended proposal was approved by both Safety-Kleen Corp. and the IDHW on May 10, 1990.

REMEDIAL ACTIVITIES

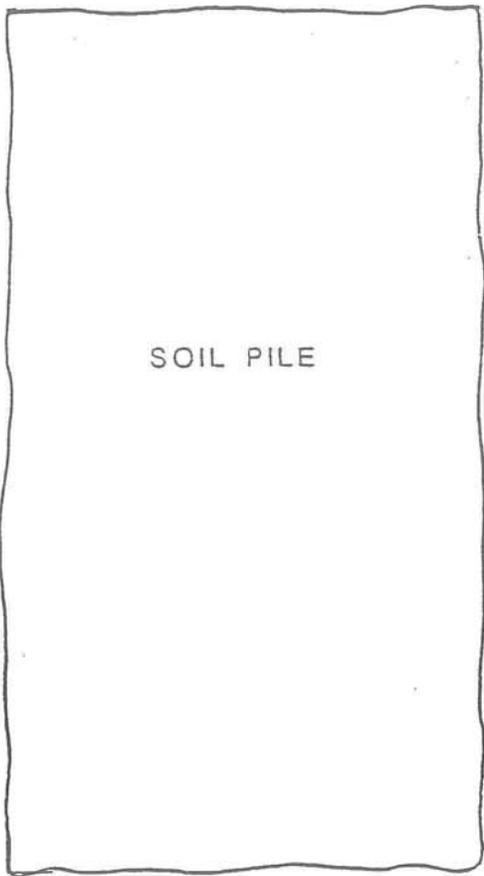
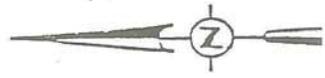
Remediation of the site began on July 24, 1990. Before soil removal began, an area approximately 20 feet by 40 feet was established northwest of the main building to store the excavated soils. Berms were constructed at the edge of the soil storage area to contain the soil pile. The entire staging area was lined with a heavy gauge plastic. Upon completing soil removal operations, the pile was covered with a heavy gauge plastic.

Field Screening for Volatile Organic Compounds

Because the contamination previously found at the site was from petroleum products, the soils were field screened for volatile organic compounds (VOCs). Samples obtained for field screening were placed in plastic sample bags and allowed to warm to approximately 65° to 75°F. Field screening was conducted away from the excavations at an upwind location. All soil samples were field screened with a Model OVA 128 Century Organic Vapor Analyzer (OVA) which is a type of flame ionization detector (FID). The IDHW set a clean up standard of 75 parts per million (ppm) of total petroleum hydrocarbons (TPH) in the soils on site. Because field screening results do not always correlate exactly with laboratory analysis results, an arbitrary concentration limit of 20 ppm VOC was chosen for the purpose of directing soil removal operations using the FID. When the concentration of VOCs obtained by field screening was below 20 ppm, a duplicate sample was obtained for laboratory analysis.

Soil Sampling Procedures

Samples collected for laboratory analysis were placed in an 8-ounce clean soil jar and capped with a Teflon-lined lid. For preservation, the samples were kept on ice in an insulated ice chest. In all of the excavations, samples were obtained from each of the four walls and one from the bottom of the excavation (Figure 3). The trench between the clarifier and clarifier (drain) tank areas was sampled every 10 feet at the bottom of the trench.



SOIL PILE

LEGEND

- EA OF EXCAVATION
- MPLE LOCATION
- MPLE FROM EXCAVATION
- MPLE FROM CLARIFIER E
- MPLE FROM DRAIN TANK
- MPLE FROM EXCAVATION
- MPLE FROM EXCAVATION
- MPLE FROM EXCAVATION
- FIELD SCREENING LOC

CONCRETE PAD

MRV	JOB #891759
-----	-------------

GRAEF
ANNALT
SCHLOER

345 North 95th
 Milwaukee, Wisconsin

The samples from the bottom of the excavations and the trench were submitted for analysis as discrete samples. The samples from the walls were collected as discrete samples, but were composited at the laboratory before analysis. In two instances, wall samples were analyzed as discrete samples. Mr. Randy Steger of the IDHW requested that the east wall sample of stain area #5 be submitted separately because the initial field screening results at the east side of the excavation were high (Table 1). Mr. Steger also requested that the west wall sample from stain area #4 be submitted as a discrete sample because it was obtained from a 4-inch thick seam which appeared to be contaminated. Six grab samples were taken from the staged soil pile which consisted of the excavated soils. The samples from the soil pile were composited at the laboratory and the composite was analyzed.

All of the samples, discrete and composite, were analyzed for volatile organic compounds (solid waste EPA method 8240), semi-volatile extractable organic compounds (solid waste EPA method 8270), and total petroleum hydrocarbons (TPH, as referenced to diesel fuel). While on site during the remediation work, Mr. Randy Steger of the IDHW emphasized that the above noted analyses should be completed. The test for semi-volatile extractable organic compounds (method 8270) was added at the request of Mr. Steger.

A field blank, or background sample, was obtained from the southwest corner of the site (Figure 2) well away from the excavations, at a depth of 1.5 feet. Laboratory analyses performed on the field blank were the same as the equivalent for the samples obtained from the excavation. The field blank was collected at the request of the IDHW.

A duplicate sample was collected from one area (the bottom of stain area #5) and sent to a different laboratory. This split sample was collected at the request of the IDHW, and used to check laboratory quality control/assurance measures.

Excavation of Contaminated Soils

Initial soil removal operations were started in the area of stain #4 to the southeast (Figure 3). The area is represented on cross-section B-B' in the revised remediation plan. In stain area #4, initial FID readings were 0.0 ppm one foot below ground surface (bgs) at the east side of the excavation, and 180 ppm, 1.5 feet bgs at the west side of the excavation (Table 1). Heavy equipment needed for the excavation of the clarifier (sump) area arrived at the site, so the excavation of stain area #4 was temporarily halted.

Work efforts began in the area of the clarifier (sump) (Figure 2). The removal of the clarifier (sump) was requested by the IDHW in Attachment C of a letter to Safety-Kleen dated May 10, 1990. Initially, the concrete was broken up around the sump area. All of the water was then pumped from the clarifier (sump) into eighteen and one half 30-gallon barrels (555 gallons). The clarifier and soils were then removed from the area. The inside walls and floor of the concrete clarifier were steam cleaned to remove any residual contaminants, and the wash water was added to the previously drummed water. Soil samples were collected from the north, east, south and west walls, and the bottom (center) of the excavation. Field screening with the FID indicated the remaining soils contained less than 20 ppm TPH (Table 1), so no additional soils were removed from the excavation which measured 15 feet by 12 feet by 4.5 feet deep (Figure 3). A composite sample from the walls and a discrete sample from the bottom were collected and submitted for laboratory analysis.

While excavating the clarifier area, a PVC lateral pipe extending from the clarifier eastward was uncovered. The lateral pipe extended thirty-four feet from the clarifier and was connected to a clarifier (drain) tank. The entire length of the pipe was removed as were soils surrounding it (Figure 3). Soil samples were collected from the trench at 10-foot intervals 2 feet bgs. Three samples obtained were field screened with the FID (Table 1) and found to be within 20 ppm. Three laboratory samples were submitted to confirm the field observations.

TABLE 1

FLAME IONIZATION DETECTOR READINGS
 July 24, 1990 and July 25, 1990
 Model OVA 128 Century Organic Vapor Analyzer

<u>Excavation</u>	<u>Sample</u>	<u>Depth (feet bgs)</u>	<u>Reading (ppm)</u>
Clarifier (Sump) Area	SS-N	2.0	11.0
	SS-E	2.0	9.0
	SS-S	2.0	0.4
	SS-W	2.0	7.0
	SS-B	4.5	3.0
Trench Between Clarifier and Clarifier (Drain) Tank	T-1	2.0	4.4
	T-2	2.0	6.7
	T-3	2.0	5.6
Clarifier (Drain) Tank Area	ST-N	6.0	2.6
	ST-E	6.0	2.8
	ST-Sa	2.0	3.4
	ST-S	6.0	1.8
	ST-W	6.0	2.3
	ST-B	10.0	3.7
Stain Area #1	S1-1	0.0	1.2
	S1-2	0.0	1.2
	S1-3	0.0	0.2
	S1-4	0.0	3.5
	S1-5	0.0	0.6
	S1-6	0.0	2.6
	S1-7	0.0	1.2
	S-1N	1.0	0.6
	S-1E	1.0	0.4
	S-1S	1.0	3.2
	S-1W	1.0	5.0
	S-1B	2.0	0.0

TABLE 1 (Cont.)

<u>Excavation</u>	<u>Sample</u>	<u>Depth (feet bgs)</u>	<u>Reading (ppm)</u>
Stain Area #3	S-3 Surface	0.3	0.8
	S-3N	1.5	2.6
	S-3E	1.5	2.0
	S-3S	1.5	1.0
	S-3W	1.5	2.8
	S-3B	2.5	2.8
Stain Area #4 Initial Readings	East Wall	1.0	0.0
	West Wall	1.5	180.0
Stain Area #4	S-4N	1.5	NL
	S-4E	1.5	3.6
	S-4S	1.5	7.2
	S-4W	0.5	3.0
	S-4B	2.0	3.2
Stain Area #5 Initial Readings	North Wall	1.5	3.6
	East Wall	0.5	3800
	East Wall	1.5	3.0
	East Wall (Silt Layer)	2.0	5.2
	East Wall	3.5	3.5
	East Wall	6.0	2.6
	South Wall	1.5	3.4
	West Wall	1.5	12.6
	Bottom	2.0	7.0
Stain Area #5 After Overexcavating	S-5N	1.0	5.8
	East Wall	1.0	1300
	S-5S	1.0	11.0
	S-5W	1.0	4.2
	West Wall	2.0	6.4
	Bottom	2.0	8.8
Stain Area #5 After Overexcavating Further East	S-5E	1.0	14.4
	S-5B	2.0	6.8

NL = Not Logged

The clarifier (drain) tank and surrounding soils were then removed next (Figure 3). Field screening (Table 1) of soil samples collected from the four walls and bottom of the excavation indicated the remaining soils contained below 20 ppm VOC. A sample from the bottom of the excavation and a composite from the four walls were submitted for laboratory analysis. The final excavation of the clarifier (drain) tank area measured 12 feet by 14.5 feet by 11 feet deep (Figure 3).

The last area excavated on July 24, 1990 was the area of stain #3 (Figure 2). The area is represented on cross-section A-A' in the revised remediation plan. Initial field screening of a shallow sample 4.5 inches bgs showed low concentrations (0.8 ppm) of VOCs (Table 1). Soils from an area 7 feet by 8 feet were removed to a depth of 2.5 feet (Figure 3). Field screening of samples obtained from the four walls (1.5 feet bgs) and the bottom (2.5 feet bgs) indicated less than 20 ppm VOCs. A composite sample from the four walls and a discrete sample from the bottom were submitted to a laboratory to confirm field observations.

On July 25, 1990, soil removal operations were resumed in stain area #4. Removal continued until all of the field screening results were below 20 ppm VOC (Table 1). The final excavation measured 7 feet by 8 feet by 2 feet deep (Figure 3). A composite sample from the north, south and east walls, and discrete samples from the west wall and excavation bottom were submitted for laboratory analyses.

Upon completion of stain area #4, work began in stain area #5 (Figure 2). Soil was removed from a trench dug to two feet and samples were collected for field screening. The highest concentration of VOCs detected by the FID was at 0.5 feet (3800 ppm) at the east side of the trench (Table 1). The trench was continued to six feet deep and samples collected from the east wall at 3.5 and 6 feet deep were field screened. The FID readings from those two intervals were 3.5 ppm and 2.6 ppm respectively. The VOCs (contamination) appeared to be limited to the upper two feet, so the decision was made to excavate only to two feet in this area even though this new plan deviated from the IDHW approved plan. Mr. Randy Steger of the IDHW was on-site and agreed with the field decision.

Soil removal to two feet continued beyond the six foot deep trench. Samples were collected for field screening from the four walls and the bottom of the pit. The sample from the east wall yielded a high concentration of VOC's (1300 ppm).

Soil removal was then continued to the east. After removing the additional contaminated soils, samples were collected from the bottom and east wall, and were field screened. The readings for both samples were below 20 ppm VOC (Table 1), therefore further soil removal was discontinued. The perimeter of the two foot deep pit measured 19 feet by 23.5 feet (Figure 3). The samples submitted to the laboratory included a composite from the north, south and west walls, and a grab sample from the bottom of the excavation. Upon the request of Mr. Randy Steger, a grab sample of the east wall was collected for laboratory analysis to confirm cleanup in that direction.

The last area to be excavated was stain area #1 (Figure 2) which is represented on cross section C-C' and E-E' in the revised remediation plan. Initially, seven samples were taken from the surface of stain area #1 for FID field screening (Figure 3). All of the surficial samples were within 20 ppm VOC upon initial screening (Table 1), however subsurface contamination was previously identified beneath the eastern side of stain area #1 (as detected in a soil boring SB4M in Figure 2).

An area 7 feet by 8 feet was excavated to a depth of 2 feet (Figure 3). Samples, from each of the four walls and one from the bottom of the pit, were field screened with the FID (Table 1) and the results were below 20 ppm VOC. The samples submitted for laboratory analysis included a composite from the four walls and a discrete sample from the bottom of the excavation.

Laboratory Results

The laboratory results are listed in Appendix A. No volatile organic compounds were detected using EPA method 8240. TPH, as referenced to diesel fuel, was present in two samples (Table 2). Sample T-2 contained 66 ppm TPH, and the composite from the soil pile contained 54 ppm TPH. Both of these concentrations were within the IDHW's cleanup standard of 75 ppm TPH for this site. Two semi-volatile extractable organic chemicals Di-n-butylphthalate and bis(2-Ethylhexyl)phthalate were detected in some of the soil samples by EPA method 8270 (Table 2). Standards for Di-n-butylphthalate and bis(2-Ethylhexyl)phthalate in soil have not been established by the IDHW, therefore RCRA Health Based Risk Levels (HBRL), proposed in RCRA Part 264 Subpart S, were observed. The RCRA HBRL for Di-n-butylphthalate and bis(2-Ethylhexyl)phthalate are 8000 ppm and 50 ppm, respectively. The amounts of Di-n-butylphthalate and bis(2-Ethylhexyl)phthalate present in the samples at the proposed Boise Safety-Kleen site are within the RCRA HBRL and also below ten percent of the RCRA HBRL.

SUMMARY

Upon the request of Safety-Kleen Corp., GAS was on site to direct removal operations to remediate soils contaminated with hazardous waste constituents. A soil removal plan prepared by GAS, and approved by the IDHW, identified areas targeted for soil removal and their three-dimensional extent (see GAS report entitled: "Contaminant Study", dated January, 1990). The above plan was used as a guideline for subsequent soil removal operations on site. Removal operations were directed with the use of a flame ionization detector (FID) field screening device. The FID is designed to detect a wide range of volatile organic compounds (VOC). It can detect all volatile constituents that were previously identified in soil samples collected from the site by the Idaho Department of Health and Welfare (IDHW) and subsequently from a soil boring program initiated by GAS. The IDHW established a cleanup standard of 75 parts per million total petroleum hydrocarbons (TPH) in soil for this site. Because contaminant concentrations detected by the FID seldom correlate with those detected by laboratory analyses, an arbitrary maximum contaminant concentration of 20 parts per million VOC was established for the purpose of directing soil removal.

TABLE 2
LABORATORY RESULTS OF COMPOUNDS
DETECTED IN SOIL SAMPLES

<u>Sample No./Depth (Ft.)</u>	<u>TPH (ppm)</u>	<u>Di-n-butylphthalate (ppm)</u>	<u>bis(2-Ethylhexyl)phthalate (ppm)</u>
IDHW Enforcement Standard	75	NE	NE
RCRA Health Based Risk Level		8,000	50
SS-B	ND	1.400	ND
Composite SS (NESW)	ND	0.360	ND
T-1	ND	ND	ND
T-2	66	ND	ND
T-3	ND	0.600	ND
ST-B	ND	0.700	ND
Composite ST (NESW)	ND	ND	ND
S-1B	ND	ND	ND
Composite S-1 (NESW)	ND	0.400	ND
S-3B	ND	ND	ND
Composite S-3 (NESW)	ND	ND	0.530
S-4B	ND	ND	ND
S-4W	ND	ND	ND
Composite S-4 (NES)	ND	0.400	ND
S-5B	ND	ND	ND
S-5E	ND	ND	ND
Composite S-5 (NSW)	ND	ND	ND
Composite Soil Pile	54	ND	ND
Field Blank	ND	ND	ND

NE = Not Established

Upon excavation of the clarifier, a lateral pipe was discovered and removed. The lateral extended 34 feet to the east and terminated within a clarifier (drain) tank. The tank was cylindrical, and constructed of 3 foot high concrete block walls covered by a concrete lid. It was open to 11 feet deep and lined with boulders. The tank and boulders were removed to facilitate sampling of the soils surrounding the tank. The excavation of the tank and lateral piping was not included as part of the initial soil removal plan.

During initial excavation of stained areas, contaminants were found to be limited to approximately 2 - 2-1/2 feet below ground surface. The top 1-1/2 feet of soil on site consists of sand and gravel fill which is highly permeable. Underlying the fill is 1-1/2 - 3 feet of compact silt which has impeded the downward migration of contaminants. Therefore, in all areas of soil removal, except the clarifier and clarifier (drain) tank areas, soil removal was limited to 2 - 2-1/2 feet below ground surface.

When soil samples screened with the FID contained less than 20 ppm VOC, samples were collected for laboratory analysis. The samples were analyzed for EPA method 8240 volatiles and TPH characterized as diesel fuel. Mr. Randy Steger, of the IDHW, also requested that analysis include EPA method 8270 for semi-volatiles.

The results of laboratory analyses indicate that concentrations of contaminants in the soils are below RCRA health based risk levels. Also, the soils contain less than the 75 ppm cleanup standard established by the IDHW for TPH, therefore no additional soils should be excavated from the site.

Removal of the on-site staged soil pile, disposal of drummed water, and backfilling of excavated areas will be coordinated through Safety-Kleen Corp. upon review of this report by the IDHW.

APPENDIX A

GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Western Region

4080-C Pike Ln., Concord, CA 94520
(415) 685-7852
In CA: (800) 544-3422
Outside CA: (800) 423-7143

Client Number: SFB-680-0354.72
Consultant Project Number: 891759
Project ID: Boise, ID
Work Order Number: C0-07-816,C0-08-170

August 8, 1990

Wayne Fassbender
Graef Anhalt Schloemer
345 North 95th Street
Milwaukee, Wisconsin 53226

Enclosed please find the analytical results report prepared by GTEL for samples received on 07/27/90, under chain of custody number 72-7195 through 72-7198.

GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

A formal quality control/quality assurance program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project was performed in strict adherence to our QA/QC program to ensure sample integrity and to meet quality control criteria.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.



Emma P. Popek
Laboratory Director

Table 1
 ANALYTICAL RESULTS
 Volatile Organics in Soil
 EPA Method 8240^a

GTEL Sample Number		7816-01	7816-02	7816-03	7816-04
Client Identification		SS-B	COMP SS (NESW)	ST-B	COMP ST (NESW)
Date Sampled		07/24/90	07/24/90	07/24/90	07/24/90
Date Extracted		08/06/90	08/06/90	08/06/90	08/06/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	500	< 500	< 500	< 500	< 500
Bromomethane	500	< 500	< 500	< 500	< 500
Vinyl chloride	500	< 500	< 500	< 500	< 500
Chloroethane	500	< 500	< 500	< 500	< 500
Methylene chloride	250	< 250	< 250	< 250	< 250
Acetone	5000	<5000	<5000	<5000	<5000
Carbon disulfide	250	< 250	< 250	< 250	< 250
1,1-Dichloroethene	250	< 250	< 250	< 250	< 250
1,1-Dichloroethane	250	< 250	< 250	< 250	< 250
1,2-Dichloroethene, total	250	< 250	< 250	< 250	< 250
Chloroform	250	< 250	< 250	< 250	< 250
1,2-Dichloroethane	250	< 250	< 250	< 250	< 250
2-Butanone	5000	<5000	<5000	<5000	<5000
1,1,1-Trichloroethane	250	< 250	< 250	< 250	< 250
Carbon tetrachloride	250	< 250	< 250	< 250	< 250
Vinyl acetate	2500	< 2500	< 2500	< 2500	< 2500
Bromodichloromethane	250	< 250	< 250	< 250	< 250
1,2-Dichloropropane	250	< 250	< 250	< 250	< 250
cis-1,3-Dichloropropene	250	< 250	< 250	< 250	< 250
Trichloroethene	250	< 250	< 250	< 250	< 250

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986 (method modified for additional compounds). Sample extraction by EPA method 3550.

Table 1 (Continued)
 ANALYTICAL RESULTS
 Volatile Organics in Soil
 EPA Method 8240^a

GTEL Sample Number		7816-01	7816-02	7816-03	7816-04
Client Identification		SS-B	COMP SS (NESW)	ST-B	COMP ST (NESW)
Date Sampled		07/24/90	07/24/90	07/24/90	07/24/90
Date Extracted		08/06/90	08/06/90	08/06/90	08/06/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Dibromochloromethane	250	< 250	< 250	< 250	< 250
1,1,2-Trichloroethane	250	< 250	< 250	< 250	< 250
Benzene	250	< 250	< 250	< 250	< 250
trans-1,3-Dichloropropene	250	< 250	< 250	< 250	< 250
2-Chloroethylvinyl ether	500	< 500	< 500	< 500	< 500
Bromoform	250	< 250	< 250	< 250	< 250
4-Methyl-2-pentanone	2500	<2500	<2500	<2500	<2500
2-Hexanone	2500	<2500	<2500	<2500	<2500
Tetrachloroethene	250	< 250	< 250	< 250	< 250
1,1,2,2-Tetrachloroethane	250	< 250	< 250	< 250	< 250
Toluene	250	< 250	< 250	< 250	< 250
Chlorobenzene	250	< 250	< 250	< 250	< 250
Ethylbenzene	250	< 250	< 250	< 250	< 250
Styrene	250	< 250	< 250	< 250	< 250
1,2-Dichlorobenzene	250	< 250	< 250	< 250	< 250
1,3-Dichlorobenzene	250	< 250	< 250	< 250	< 250
1,4-Dichlorobenzene	250	< 250	< 250	< 250	< 250
Xylene, total	250	< 250	< 250	< 250	< 250
Trichlorofluoromethane	250	< 250	< 250	< 250	< 250
Detection Limit Multiplier		1	1	1	1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986 (method modified for additional compounds). Sample extraction by EPA method 3550.

Table 1 (Continued)
 ANALYTICAL RESULTS
 Volatile Organics in Soil
 EPA Method 8240^a

GTEL Sample Number		7816-05	7816-06	7816-07	7816-08
Client Identification		T-1	T-2	T-3	S-3B
Date Sampled		07/24/90	07/24/90	07/24/90	07/24/90
Date Extracted		08/06/90	08/06/90	08/06/90	08/06/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	500	< 500	< 500	< 500	< 500
Bromomethane	500	< 500	< 500	< 500	< 500
Vinyl chloride	500	< 500	< 500	< 500	< 500
Chloroethane	500	< 500	< 500	< 500	< 500
Methylene chloride	250	< 250	< 250	< 250	< 250
Acetone	5000	<5000	<5000	<5000	<5000
Carbon disulfide	250	< 250	< 250	< 250	< 250
1,1-Dichloroethene	250	< 250	< 250	< 250	< 250
1,1-Dichloroethane	250	< 250	< 250	< 250	< 250
1,2-Dichloroethene, total	250	< 250	< 250	< 250	< 250
Chloroform	250	< 250	< 250	< 250	< 250
1,2-Dichloroethane	250	< 250	< 250	< 250	< 250
2-Butanone	5000	<5000	<5000	<5000	<5000
1,1,1-Trichloroethane	250	< 250	< 250	< 250	< 250
Carbon tetrachloride	250	< 250	< 250	< 250	< 250
Vinyl acetate	2500	< 2500	< 2500	< 2500	< 2500
Bromodichloromethane	250	< 250	< 250	< 250	< 250
1,2-Dichloropropane	250	< 250	< 250	< 250	< 250
cis-1,3-Dichloropropene	250	< 250	< 250	< 250	< 250
Trichloroethene	250	< 250	< 250	< 250	< 250

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986 (method modified for additional compounds). Sample extraction by EPA method 3550.

Table 1 (Continued)
ANALYTICAL RESULTS
 Volatile Organics in Soil
 EPA Method 8240^a

GTEL Sample Number		7816-05	7816-06	7816-07	7816-08
Client Identification		T-1	T-2	T-3	S-3B
Date Sampled		07/24/90	07/24/90	07/24/90	07/24/90
Date Extracted		08/06/90	08/06/90	08/06/90	08/06/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Dibromochloromethane	250	< 250	< 250	< 250	< 250
1,1,2-Trichloroethane	250	< 250	< 250	< 250	< 250
Benzene	250	< 250	< 250	< 250	< 250
trans-1,3-Dichloropropene	250	< 250	< 250	< 250	< 250
2-Chloroethylvinyl ether	500	< 500	< 500	< 500	< 500
Bromoform	250	< 250	< 250	< 250	< 250
4-Methyl-2-pentanone	2500	<2500	<2500	<2500	<2500
2-Hexanone	2500	<2500	<2500	<2500	<2500
Tetrachloroethene	250	< 250	< 250	< 250	< 250
1,1,2,2-Tetrachloroethane	250	< 250	< 250	< 250	< 250
Toluene	250	< 250	< 250	< 250	< 250
Chlorobenzene	250	< 250	< 250	< 250	< 250
Ethylbenzene	250	< 250	< 250	< 250	< 250
Styrene	250	< 250	< 250	< 250	< 250
1,2-Dichlorobenzene	250	< 250	< 250	< 250	< 250
1,3-Dichlorobenzene	250	< 250	< 250	< 250	< 250
1,4-Dichlorobenzene	250	< 250	< 250	< 250	< 250
Xylene, total	250	< 250	< 250	< 250	< 250
Trichlorofluoromethane	250	< 250	< 250	< 250	< 250
Detection Limit Multiplier		1	1	1	1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986 (method modified for additional compounds). Sample extraction by EPA method 3550.

Table 1 (Continued)
ANALYTICAL RESULTS
Volatile Organics in Soil
EPA Method 8240^a

GTEL Sample Number		7816-09	7816-10	7816-11	7816-12
Client Identification		COMP S3 (NESW)	S-1B	S-4W	S-5B
Date Sampled		07/24/90	07/26/90	07/25/90	07/25/90
Date Extracted		08/06/90	08/06/90	08/06/90	08/06/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	500	< 500	< 500	< 500	< 500
Bromomethane	500	< 500	< 500	< 500	< 500
Vinyl chloride	500	< 500	< 500	< 500	< 500
Chloroethane	500	< 500	< 500	< 500	< 500
Methylene chloride	250	< 250	< 250	< 250	< 250
Acetone	5000	<5000	<5000	<5000	<5000
Carbon disulfide	250	< 250	< 250	< 250	< 250
1,1-Dichloroethene	250	< 250	< 250	< 250	< 250
1,1-Dichloroethane	250	< 250	< 250	< 250	< 250
1,2-Dichloroethene, total	250	< 250	< 250	< 250	< 250
Chloroform	250	< 250	< 250	< 250	< 250
1,2-Dichloroethane	250	< 250	< 250	< 250	< 250
2-Butanone	5000	<5000	<5000	<5000	<5000
1,1,1-Trichloroethane	250	< 250	< 250	< 250	< 250
Carbon tetrachloride	250	< 250	< 250	< 250	< 250
Vinyl acetate	2500	< 2500	< 2500	< 2500	< 2500
Bromodichloromethane	250	< 250	< 250	< 250	< 250
1,2-Dichloropropane	250	< 250	< 250	< 250	< 250
cis-1,3-Dichloropropene	250	< 250	< 250	< 250	< 250
Trichloroethene	250	< 250	< 250	< 250	< 250

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986 (method modified for additional compounds). Sample extraction by EPA method 3550.

Table 1 (Continued)
ANALYTICAL RESULTS
Volatile Organics in Soil
EPA Method 8240^a

GTEL Sample Number		7816-09	7816-10	7816-11	7816-12
Client Identification		COMP S3 (NESW)	S-1B	S-4W	S-5B
Date Sampled		07/24/90	07/26/90	07/25/90	07/25/90
Date Extracted		08/06/90	08/06/90	08/06/90	08/06/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Dibromochloromethane	250	< 250	< 250	< 250	< 250
1,1,2-Trichloroethane	250	< 250	< 250	< 250	< 250
Benzene	250	< 250	< 250	< 250	< 250
trans-1,3-Dichloropropene	250	< 250	< 250	< 250	< 250
2-Chloroethylvinyl ether	500	< 500	< 500	< 500	< 500
Bromoform	250	< 250	< 250	< 250	< 250
4-Methyl-2-pentanone	2500	<2500	<2500	<2500	<2500
2-Hexanone	2500	<2500	<2500	<2500	<2500
Tetrachloroethene	250	< 250	< 250	< 250	< 250
1,1,2,2-Tetrachloroethane	250	< 250	< 250	< 250	< 250
Toluene	250	< 250	< 250	< 250	< 250
Chlorobenzene	250	< 250	< 250	< 250	< 250
Ethylbenzene	250	< 250	< 250	< 250	< 250
Styrene	250	< 250	< 250	< 250	< 250
1,2-Dichlorobenzene	250	< 250	< 250	< 250	< 250
1,3-Dichlorobenzene	250	< 250	< 250	< 250	< 250
1,4-Dichlorobenzene	250	< 250	< 250	< 250	< 250
Xylene, total	250	< 250	< 250	< 250	< 250
Trichlorofluoromethane	250	< 250	< 250	< 250	< 250
Detection Limit Multiplier		1	1	1	1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986 (method modified for additional compounds). Sample extraction by EPA method 3550.

Table 1 (Continued)
 ANALYTICAL RESULTS
 Volatile Organics in Soil
 EPA Method 8240^a

GTEL Sample Number		7816-13	7816-14	7816-15	7816-16
Client Identification		S-4B	COMP S4(NSE)	S-5E	COMP S5 (WSN)
Date Sampled		07/25/90	07/25/90	07/25/90	07/25/90
Date Extracted		08/06/90	08/06/90	08/06/90	08/06/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	500	< 500	< 500	< 500	< 500
Bromomethane	500	< 500	< 500	< 500	< 500
Vinyl chloride	500	< 500	< 500	< 500	< 500
Chloroethane	500	< 500	< 500	< 500	< 500
Methylene chloride	250	< 250	< 250	< 250	< 250
Acetone	5000	<5000	<5000	<5000	<5000
Carbon disulfide	250	< 250	< 250	< 250	< 250
1,1-Dichloroethene	250	< 250	< 250	< 250	< 250
1,1-Dichloroethane	250	< 250	< 250	< 250	< 250
1,2-Dichloroethene, total	250	< 250	< 250	< 250	< 250
Chloroform	250	< 250	< 250	< 250	< 250
1,2-Dichloroethane	250	< 250	< 250	< 250	< 250
2-Butanone	5000	<5000	<5000	<5000	<5000
1,1,1-Trichloroethane	250	< 250	< 250	< 250	< 250
Carbon tetrachloride	250	< 250	< 250	< 250	< 250
Vinyl acetate	2500	< 2500	< 2500	< 2500	< 2500
Bromodichloromethane	250	< 250	< 250	< 250	< 250
1,2-Dichloropropane	250	< 250	< 250	< 250	< 250
cis-1,3-Dichloropropene	250	< 250	< 250	< 250	< 250
Trichloroethene	250	< 250	< 250	< 250	< 250

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986 (method modified for additional compounds). Sample extraction by EPA method 3550.

Table 1 (Continued)
ANALYTICAL RESULTS
Volatile Organics in Soil
EPA Method 8240^a

GTEL Sample Number		7816-13	7816-14	7816-15	7816-16
Client Identification		S-4B	COMP S4 (NSE)	S-5E	COMP S5 (WSN)
Date Sampled		07/24/90	07/25/90	07/25/90	07/25/90
Date Extracted		08/06/90	08/06/90	08/06/90	08/06/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Dibromochloromethane	250	< 250	< 250	< 250	< 250
1,1,2-Trichloroethane	250	< 250	< 250	< 250	< 250
Benzene	250	< 250	< 250	< 250	< 250
trans-1,3-Dichloropropene	250	< 250	< 250	< 250	< 250
2-Chloroethylvinyl ether	500	< 500	< 500	< 500	< 500
Bromoform	250	< 250	< 250	< 250	< 250
4-Methyl-2-pentanone	2500	<2500	<2500	<2500	<2500
2-Hexanone	2500	<2500	<2500	<2500	<2500
Tetrachloroethene	250	< 250	< 250	< 250	< 250
1,1,2,2-Tetrachloroethane	250	< 250	< 250	< 250	< 250
Toluene	250	< 250	< 250	< 250	< 250
Chlorobenzene	250	< 250	< 250	< 250	< 250
Ethylbenzene	250	< 250	< 250	< 250	< 250
Styrene	250	< 250	< 250	< 250	< 250
1,2-Dichlorobenzene	250	< 250	< 250	< 250	< 250
1,3-Dichlorobenzene	250	< 250	< 250	< 250	< 250
1,4-Dichlorobenzene	250	< 250	< 250	< 250	< 250
Xylene, total	250	< 250	< 250	< 250	< 250
Trichlorofluoromethane	250	< 250	< 250	< 250	< 250
Detection Limit Multiplier		1	1	1	1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986 (method modified for additional compounds). Sample extraction by EPA method 3550.

Table 1 (Continued)
ANALYTICAL RESULTS
 Volatile Organics in Soil
 EPA Method 8240^a

GTEL Sample Number		8170-01	8170-02	8170-03	
Client Identification		FIELD BLANK	COMP S1(NSEW)	COMP SOIL PILE	
Date Sampled		07/26/90	07/26/90	07/26/90	
Date Extracted		08/06/90	08/06/90	08/06/90	
Date Analyzed		08/06/90	08/06/90	08/06/90	
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	500	< 500	< 500	< 500	
Bromomethane	500	< 500	< 500	< 500	
Vinyl chloride	500	< 500	< 500	< 500	
Chloroethane	500	< 500	< 500	< 500	
Methylene chloride	250	< 250	< 250	< 250	
Acetone	5000	<5000	<5000	<5000	
Carbon disulfide	250	< 250	< 250	< 250	
1,1-Dichloroethene	250	< 250	< 250	< 250	
1,1-Dichloroethane	250	< 250	< 250	< 250	
1,2-Dichloroethene, total	250	< 250	< 250	< 250	
Chloroform	250	< 250	< 250	< 250	
1,2-Dichloroethane	250	< 250	< 250	< 250	
2-Butanone	5000	<5000	<5000	<5000	
1,1,1-Trichloroethane	250	< 250	< 250	< 250	
Carbon tetrachloride	250	< 250	< 250	< 250	
Vinyl acetate	2500	< 2500	< 2500	< 2500	
Bromodichloromethane	250	< 250	< 250	< 250	
1,2-Dichloropropane	250	< 250	< 250	< 250	
cis-1,3-Dichloropropene	250	< 250	< 250	< 250	
Trichloroethene	250	< 250	< 250	< 250	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986 (method modified for additional compounds). Sample extraction by EPA method 3550.

Table 1 (Continued)
 ANALYTICAL RESULTS
 Volatile Organics in Soil
 EPA Method 8240^a

GTEL Sample Number		8170-01	8170-02	8170-03	
Client Identification		FIELD BLANK	COMP S1 (NSEW)	COMP SOIL PILE	
Date Sampled		07/26/90	07/26/90	07/26/90	
Date Extracted		08/06/90	08/06/90	08/06/90	
Date Analyzed		08/06/90	08/06/90	08/06/90	
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Dibromochloromethane	250	< 250	< 250	< 250	
1,1,2-Trichloroethane	250	< 250	< 250	< 250	
Benzene	250	< 250	< 250	< 250	
trans-1,3-Dichloropropene	250	< 250	< 250	< 250	
2-Chloroethylvinyl ether	500	< 500	< 500	< 500	
Bromoform	250	< 250	< 250	< 250	
4-Methyl-2-pentanone	2500	<2500	<2500	<2500	
2-Hexanone	2500	<2500	<2500	<2500	
Tetrachloroethene	250	< 250	< 250	< 250	
1,1,2,2-Tetrachloroethane	250	< 250	< 250	< 250	
Toluene	250	< 250	< 250	< 250	
Chlorobenzene	250	< 250	< 250	< 250	
Ethylbenzene	250	< 250	< 250	< 250	
Styrene	250	< 250	< 250	< 250	
1,2-Dichlorobenzene	250	< 250	< 250	< 250	
1,3-Dichlorobenzene	250	< 250	< 250	< 250	
1,4-Dichlorobenzene	250	< 250	< 250	< 250	
Xylene, total	250	< 250	< 250	< 250	
Trichlorofluoromethane	250	< 250	< 250	< 250	
Detection Limit Multiplier		1	1	1	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986 (method modified for additional compounds). Sample extraction by EPA method 3550.

GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
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(415) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California

08/02/90 sh Page 1 of 4

WORK ORD#: C007815

CLIENT: Wayne Fassbender
Graef Anhalt Schloem & Associates, Inc
345 North Street
Milwaukee, WI 53226

CONSULTANT PROJECT #: 891759

PROJECT #: SFB-680-0354.72

LOCATION: Boise, ID

SAMPLED: 07/24-26/90 BY: W. Fassbender

RECEIVED: 07/27/90

ANALYZED: 07/31/90 BY: F. Kha

MATRIX: Soil

UNITS: mg/Kg (ppm)

PARAMETER	MDL	SAMPLE #	01	02	03	04	05
		I.I.D.	SSB	COMP	ST-B	COMP	T-1
				ISS (NESW)		IST (NESW)	

Total Petroleum Hydrocarbons as Diesel 10 <10 <10 <10 <10 <10

MDL = Method Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.

METHOD: Modified EPA 8015

GTEL

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Northwest Region

4080 Pike Lane

Concord, CA 94520

(415) 685-7852

(800) 544-3422 from inside California

(800) 423-7143 from outside California

Page 2 of 4

WORK ORD#: C007815

CLIENT: Wayne Fassbender

CONSULTANT PROJECT #: 891759

PROJECT #: SFB-680-0354.72

LOCATION: Boise, ID

MATRIX: Soil

UNITS: mg/Kg (ppm)

PARAMETER	MDL	SAMPLE #	06	07	08	09	10
		I.I.D.	T-2	T-3	S-3B	COMP	S-1B
						S3 (NESW)	

Total Petroleum 10 66 <10 <10 <10 <10
Hydrocarbons
as Diesel

MDL = Method Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.

METHOD: Modified EPA 8015

GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region

4080 Pike Lane

Concord, CA 94520

415-685-7852

800-544-3422 from inside California

800-423-7143 from outside California

Page 3 of 4

WORK ORD#: C007815

CLIENT: Wayne Fassbender
CONSULTANT PROJECT #: 891759
PROJECT#: SFB-680-0354.72
LOCATION: Boise, ID

MATRIX: Soil
UNITS: mg/Kg (ppm)

PARAMETER	MDL	SAMPLE #	11	12	13	14	15
		I.D.	S-4W	S-5B	S4-B	COMP	S-5E
						S4(NES)	

Total Petroleum Hydrocarbons as Diesel 10 <10 <10 <10 <10 <10

MDL = Method Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.

METHOD: Modified EPA 8015

GTEL

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Northwest Region
4080 Pike Lane
Concord, CA 94520
415-685-7852
800-544-3422 from inside California
800-423-7143 from outside California

Page 4 of 4

WORK ORD#: C007815

CLIENT: Wayne Fassbender
CONSULTANT PROJECT #: 891759
PROJECT#: SFB-680-0354.72
LOCATION: Boise, ID

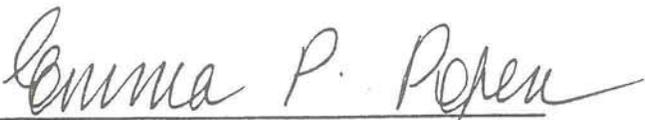
MATRIX: Soil
UNITS: mg/Kg (ppm)

PARAMETER	MDL	SAMPLE #	16	17	18	19
		I.D.	COMP	FIELD	COMP	COMP
			SS(WSN)	BLANK	SI (NESW)	SOIL PILE

Total Petroleum Hydrocarbons as Diesel 10 <10 <10 <10 54

MDL = Method Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.

METHOD: Modified EPA 8015


EMMA P. POPEK, Laboratory Director

GTEL

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08/03/90 mh

Page 1 of 4

WORK ORD#: C007817

CLIENT: Wayne Fassbender
Graef Anhalt Schloemer
345 North 95TH Street
Milwaukee, WI 53226

PROJECT#: SFB-680-0354.72

CONSULTANT PROJECT #: 891759

LOCATION: Boise, ID

SAMPLED: 07/24/90

BY: W. Fassbender

ANALYZED: 08/01/90

BY: M. Verona

MATRIX: Soil

UNITS: mg/Kg (ppm)

TEST RESULTS

PARAMETER	MDL	SAMPLE #	01	02	03	04	05
		I.D.	SSB	COMP	ST-B	COMP	T-1
				ISS (NESW)		IST (NESW)	

Dichlorobenzene

0.5

<0.5

<0.5

<0.5

<0.5

<0.5

MDL = Method Detection Limit; compound below this level would not be detected.
METHOD: EPA 8010.



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WORK ORD#: C007817

CLIENT: Wayne Fassbender
PROJECT#: SFB-680-0354.72
CONSULTANT PROJECT #: 891759
LOCATION: Boise, ID
MATRIX: Soil
UNITS: mg/Kg (ppm)

TEST RESULTS

PARAMETER	MDL	SAMPLE #	06	07	08	09	10
		I.D.	T-2	T-3	S-3B	COMP	S-1B
						S3 (NESW)	

Dichlorobenzene 0.5 <0.5 <0.5 <0.5 <0.5 <0.5

MDL = Method Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.
METHOD: EPA 8010.

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Page 3 of 4

Northwest Region
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(800) 423-7143 from outside California

WORK ORD#:C007817

CLIENT: Wayne Fassbender
PROJECT#: SFB-680-0354.72
CONSULTANT PROJECT #: 891759
LOCATION: Boise, ID
MATRIX: Soil
UNITS: mg/Kg (ppm)

TEST RESULTS

PARAMETER	MDL	SAMPLE #	11	12	13	14	15
		I.I.D.	S-4W	S-5B	S-4B	COMP	S-5E
						S4 (NSE)	
Dichlorobenzene	0.5		<0.5	<0.5	<0.5	<0.5	<0.5

MDL = Method Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.
METHOD: EPA 8010.

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Page 4 of 4

Northwest Region
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800) 423-7143 from outside California

WORK ORD#: C007817

CLIENT: Wayne Fassbender
PROJECT#: SFB-680-0354.72
LOCATION: Boise, ID
CONSULTANT PROJECT #: 891759
MATRIX: Soil
UNITS: mg/Kg (ppm)

TEST RESULTS

PARAMETER	MDL	SAMPLE #	16	17	18	19
		I.D.	COMP	FLD BLNK	COMP	SOIL PILE
			ISS (WSN)		IS1 (NESW)	

Dichlorobenzene 0.5 <0.5 <0.5 <0.5 <0.5

MDL = Method Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.
METHOD: EPA 8010.


EMMA P. POPEK, Laboratory Director

GTEL

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LABORATORIES, INC.

Northwest Region

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(800) 423-7143 from outside California

Client Number: SFB-680-0354.72
Consultant Project Number: 891759
Project ID: Boise, ID
Work Order Number: CO-07-834, CO-08-199

August 9, 1990

Wayne Fassbender
Graef Anhalt Schloemer
345 North 95th Steet
Milwaukee, Wisconsin 53226

Enclosed please find the analytical results report prepared by GTEL for samples received on 07/27/90, under chain of custody number 72-7195 through 72-7198.

GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

A formal quality control/quality assurance program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project was performed in strict adherence to our QA/QC program to ensure sample integrity and to meet quality control criteria.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.



Emma P. Popek
Laboratory Director

Table 1
ANALYTICAL RESULTS
 Semi-Volatile Organics in Soil
 EPA Method 8270^a

GTEL Sample Number		7834-01	7834-02	7834-03	7834-04
Client Identification		SSB	COMP SS (NESW)	ST-B	COMP ST (NESW)
Date Sampled		07/24/90	07/24/90	07/24/90	07/24/90
Date Extracted		07/31/90	07/31/90	07/31/90	07/31/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Phenol	300	< 300	< 300	< 300	< 300
bis(2-Chloroethyl)ether	300	< 300	< 300	< 300	< 300
2-Chlorophenol	300	< 300	< 300	< 300	< 300
1,3-Dichlorobenzene	300	< 300	< 300	< 300	< 300
1,4-Dichlorobenzene	300	< 300	< 300	< 300	< 300
Benzyl alcohol	300	< 300	< 300	< 300	< 300
1,2-Dichlorobenzene	300	< 300	< 300	< 300	< 300
2-Methylphenol	300	< 300	< 300	< 300	< 300
bis-(2-Chloroisopropyl)ether	300	< 300	< 300	< 300	< 300
4-Methylphenol	300	< 300	< 300	< 300	< 300
N-Nitroso-di-propylamine	300	< 300	< 300	< 300	< 300
Hexachloroethane	300	< 300	< 300	< 300	< 300
Nitrobenzene	300	< 300	< 300	< 300	< 300
Isophorone	300	< 300	< 300	< 300	< 300
2-Nitrophenol	300	< 300	< 300	< 300	< 300
2,4-Dimethylphenol	300	< 300	< 300	< 300	< 300
Benzoic acid	1500	< 1500	< 1500	< 1500	< 1500
bis(2-Chloroethoxy)methane	300	< 300	< 300	< 300	< 300
2,4-Dichlorophenol	300	< 300	< 300	< 300	< 300
1,2,4-Trichlorobenzene	300	< 300	< 300	< 300	< 300
Naphthalene	300	< 300	< 300	< 300	< 300
4-Chloroaniline	300	< 300	< 300	< 300	< 300
Hexachlorobutadiene	300	< 300	< 300	< 300	< 300
4-Chloro-3-methylphenol	300	< 300	< 300	< 300	< 300
2-Methylnaphthalene	300	< 300	< 300	< 300	< 300
Hexachlorocyclopentadiene	300	< 300	< 300	< 300	< 300
2,4,6-Trichlorophenol	300	< 300	< 300	< 300	< 300
2,4,5-Trichlorophenol	1500	< 1500	< 1500	< 1500	< 1500
2-Chloronaphthalene	300	< 300	< 300	< 300	< 300
2-Nitroaniline	1500	< 1500	< 1500	< 1500	< 1500
Dimethylphthalate	300	< 300	< 300	< 300	< 300
Acenaphthylene	300	< 300	< 300	< 300	< 300
3-Nitroaniline	1500	< 1500	< 1500	< 1500	< 1500
Acenaphthene	300	< 300	< 300	< 300	< 300

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 351500.

Table 1 (Continued)
ANALYTICAL RESULTS
 Semi-Volatile Organics in Soil
 EPA Method 8270^a

GTEL Sample Number		7834-01	7834-02	7834-03	7834-04
Client Identification		SSB	COMP SS (NESW)	ST-B	COMP ST (NESW)
Date Sampled		07/24/90	07/24/90	07/24/90	07/24/90
Date Extracted		07/31/90	07/31/90	07/31/90	07/31/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
2,4-Dinitrophenol	1500	< 1500	< 1500	< 1500	< 1500
4-Nitrophenol	1500	< 1500	< 1500	< 1500	< 1500
Dibenzofuran	300	< 300	< 300	< 300	< 300
2,4-Dinitrotoluene	300	< 300	< 300	< 300	< 300
2,6-Dinitrotoluene	300	< 300	< 300	< 300	< 300
Diethylphthalate	300	< 300	< 300	< 300	< 300
4-Chlorophenyl-phenylether	300	< 300	< 300	< 300	< 300
Fluorene	300	< 300	< 300	< 300	< 300
4-Nitroaniline	1500	< 1500	< 1500	< 1500	< 1500
4,6-Dinitro-2-methylphenol	1500	< 1500	< 1500	< 1500	< 1500
N-Nitrosodiphenylamine	300	< 300	< 300	< 300	< 300
4-Bromophenyl-phenylether	300	< 300	< 300	< 300	< 300
Hexachlorobenzene	300	< 300	< 300	< 300	< 300
Pentachlorophenol	1500	< 1500	< 1500	< 1500	< 1500
Phenanthrene	300	< 300	< 300	< 300	< 300
Anthracene	300	< 300	< 300	< 300	< 300
Di-n-butylphthalate	300	1400	360	700	< 300
Fluoranthene	300	< 300	< 300	< 300	< 300
Pyrene	300	< 300	< 300	< 300	< 300
Butylbenzylphthalate	300	< 300	< 300	< 300	< 300
3,3'-Dichlorobenzidine	600	< 600	< 600	< 600	< 600
Benzo(a)anthracene	300	< 300	< 300	< 300	< 300
bis(2-Ethylhexyl)phthalate	300	< 300	< 300	< 300	< 300
Chrysene	300	< 300	< 300	< 300	< 300
Di-n-octylphthalate	300	< 300	< 300	< 300	< 300
Benzo(b)fluoranthene	300	< 300	< 300	< 300	< 300
Benzo(k)fluoranthene	300	< 300	< 300	< 300	< 300
Benzidine	600	< 600	< 600	< 600	< 600
Benzo(a)pyrene	300	< 300	< 300	< 300	< 300
Indeno(1,2,3-cd)pyrene	300	< 300	< 300	< 300	< 300
Dibenz(a,h)anthracene	300	< 300	< 300	< 300	< 300
Benzo(g,h,i)perylene	300	< 300	< 300	< 300	< 300
Detection Limit Multiplier		1	1	1	1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 301500.

Table 1 (Continued)
ANALYTICAL RESULTS
 Semi-Volatile Organics in Soil
 EPA Method 8270^a

GTEL Sample Number		7834-05	7834-06	7834-07	7834-08
Client Identification		T-1	T-2	T-3	S-3B
Date Sampled		07/24/90	07/24/90	07/24/90	07/24/90
Date Extracted		07/31/90	07/31/90	07/31/90	07/31/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Phenol	300	< 300	< 300	< 300	< 300
bis(2-Chloroethyl)ether	300	< 300	< 300	< 300	< 300
2-Chlorophenol	300	< 300	< 300	< 300	< 300
1,3-Dichlorobenzene	300	< 300	< 300	< 300	< 300
1,4-Dichlorobenzene	300	< 300	< 300	< 300	< 300
Benzyl alcohol	300	< 300	< 300	< 300	< 300
1,2-Dichlorobenzene	300	< 300	< 300	< 300	< 300
2-Methylphenol	300	< 300	< 300	< 300	< 300
bis-(2-Chloroisopropyl)ether	300	< 300	< 300	< 300	< 300
4-Methylphenol	300	< 300	< 300	< 300	< 300
N-Nitroso-di-propylamine	300	< 300	< 300	< 300	< 300
Hexachloroethane	300	< 300	< 300	< 300	< 300
Nitrobenzene	300	< 300	< 300	< 300	< 300
Isophorone	300	< 300	< 300	< 300	< 300
2-Nitrophenol	300	< 300	< 300	< 300	< 300
2,4-Dimethylphenol	300	< 300	< 300	< 300	< 300
Benzoic acid	1500	< 1500	< 1500	< 1500	< 1500
bis(2-Chloroethoxy)methane	300	< 300	< 300	< 300	< 300
2,4-Dichlorophenol	300	< 300	< 300	< 300	< 300
1,2,4-Trichlorobenzene	300	< 300	< 300	< 300	< 300
Naphthalene	300	< 300	< 300	< 300	< 300
4-Chloroaniline	300	< 300	< 300	< 300	< 300
Hexachlorobutadiene	300	< 300	< 300	< 300	< 300
4-Chloro-3-methylphenol	300	< 300	< 300	< 300	< 300
2-Methylnaphthalene	300	< 300	< 300	< 300	< 300
Hexachlorocyclopentadiene	300	< 300	< 300	< 300	< 300
2,4,6-Trichlorophenol	300	< 300	< 300	< 300	< 300
2,4,5-Trichlorophenol	1500	< 1500	< 1500	< 1500	< 1500
2-Chloronaphthalene	300	< 300	< 300	< 300	< 300
2-Nitroaniline	1500	< 1500	< 1500	< 1500	< 1500
Dimethylphthalate	300	< 300	< 300	< 300	< 300
Acenaphthylene	300	< 300	< 300	< 300	< 300
3-Nitroaniline	1500	< 1500	< 1500	< 1500	< 1500
Acenaphthene	300	< 300	< 300	< 300	< 300

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 301500.

Table 1 (Continued)
ANALYTICAL RESULTS
 Semi-Volatile Organics in Soil
 EPA Method 8270^a

GTEL Sample Number		7834-05	7834-06	7834-07	7834-08
Client Identification		T-1	T-2	T-3	S-3B
Date Sampled		07/24/90	07/24/90	07/24/90	07/24/90
Date Extracted		07/31/90	07/31/90	07/31/90	07/31/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
2,4-Dinitrophenol	1500	< 1500	< 1500	< 1500	< 1500
4-Nitrophenol	1500	< 1500	< 1500	< 1500	< 1500
Dibenzofuran	300	< 300	< 300	< 300	< 300
2,4-Dinitrotoluene	300	< 300	< 300	< 300	< 300
2,6-Dinitrotoluene	300	< 300	< 300	< 300	< 300
Diethylphthalate	300	< 300	< 300	< 300	< 300
4-Chlorophenyl-phenylether	300	< 300	< 300	< 300	< 300
Fluorene	300	< 300	< 300	< 300	< 300
4-Nitroaniline	1500	< 1500	< 1500	< 1500	< 1500
4,6-Dinitro-2-methylphenol	1500	< 1500	< 1500	< 1500	< 1500
N-Nitrosodiphenylamine	300	< 300	< 300	< 300	< 300
4-Bromophenyl-phenylether	300	< 300	< 300	< 300	< 300
Hexachlorobenzene	300	< 300	< 300	< 300	< 300
Pentachlorophenol	1500	< 1500	< 1500	< 1500	< 1500
Phenanthrene	300	< 300	< 300	< 300	< 300
Anthracene	300	< 300	< 300	< 300	< 300
Di-n-butylphthalate	300	< 300	< 300	600	< 300
Fluoranthene	300	< 300	< 300	< 300	< 300
Pyrene	300	< 300	< 300	< 300	< 300
Butylbenzylphthalate	300	< 300	< 300	< 300	< 300
3,3'-Dichlorobenzidine	600	< 600	< 600	< 600	< 600
Benzo(a)anthracene	300	< 300	< 300	< 300	< 300
bis(2-Ethylhexyl)phthalate	300	< 300	< 300	< 300	< 300
Chrysene	300	< 300	< 300	< 300	< 300
Di-n-octylphthalate	300	< 300	< 300	< 300	< 300
Benzo(b)fluoranthene	300	< 300	< 300	< 300	< 300
Benzo(k)fluoranthene	300	< 300	< 300	< 300	< 300
Benzdine	600	< 600	< 600	< 600	< 600
Benzo(a)pyrene	300	< 300	< 300	< 300	< 300
Indeno(1,2,3-cd)pyrene	300	< 300	< 300	< 300	< 300
Dibenz(a,h)anthracene	300	< 300	< 300	< 300	< 300
Benzo(g,h,i)perylene	300	< 300	< 300	< 300	< 300
Detection Limit Multiplier		1	1	1	1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 301500.

Table 1 (Continued)
ANALYTICAL RESULTS
 Semi-Volatile Organics in Soil
 EPA Method 8270^a

GTEL Sample Number		7834-09	7834-10	7834-11	7834-12
Client Identification		COMP S3 (NESW)	S-1B	S-4W	S-5B
Date Sampled		07/24/90	07/26/90	07/25/90	07/25/90
Date Extracted		07/31/90	07/31/90	07/31/90	07/31/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Phenol	300	< 300	< 300	< 300	< 300
bis(2-Chloroethyl)ether	300	< 300	< 300	< 300	< 300
2-Chlorophenol	300	< 300	< 300	< 300	< 300
1,3-Dichlorobenzene	300	< 300	< 300	< 300	< 300
1,4-Dichlorobenzene	300	< 300	< 300	< 300	< 300
Benzyl alcohol	300	< 300	< 300	< 300	< 300
1,2-Dichlorobenzene	300	< 300	< 300	< 300	< 300
2-Methylphenol	300	< 300	< 300	< 300	< 300
bis-(2-Chloroisopropyl)ether	300	< 300	< 300	< 300	< 300
4-Methylphenol	300	< 300	< 300	< 300	< 300
N-Nitroso-di-propylamine	300	< 300	< 300	< 300	< 300
Hexachloroethane	300	< 300	< 300	< 300	< 300
Nitrobenzene	300	< 300	< 300	< 300	< 300
Isophorone	300	< 300	< 300	< 300	< 300
2-Nitrophenol	300	< 300	< 300	< 300	< 300
2,4-Dimethylphenol	300	< 300	< 300	< 300	< 300
Benzoic acid	1500	< 1500	< 1500	< 1500	< 1500
bis(2-Chloroethoxy)methane	300	< 300	< 300	< 300	< 300
2,4-Dichlorophenol	300	< 300	< 300	< 300	< 300
1,2,4-Trichlorobenzene	300	< 300	< 300	< 300	< 300
Naphthalene	300	< 300	< 300	< 300	< 300
4-Chloroaniline	300	< 300	< 300	< 300	< 300
Hexachlorobutadiene	300	< 300	< 300	< 300	< 300
4-Chloro-3-methylphenol	300	< 300	< 300	< 300	< 300
2-Methylnaphthalene	300	< 300	< 300	< 300	< 300
Hexachlorocyclopentadiene	300	< 300	< 300	< 300	< 300
2,4,6-Trichlorophenol	300	< 300	< 300	< 300	< 300
2,4,5-Trichlorophenol	1500	< 1500	< 1500	< 1500	< 1500
2-Chloronaphthalene	300	< 300	< 300	< 300	< 300
2-Nitroaniline	1500	< 1500	< 1500	< 1500	< 1500
Dimethylphthalate	300	< 300	< 300	< 300	< 300
Acenaphthylene	300	< 300	< 300	< 300	< 300
3-Nitroaniline	1500	< 1500	< 1500	< 1500	< 1500
Acenaphthene	300	< 300	< 300	< 300	< 300

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, USEPA November 1986. Sample extraction by EPA Method 301500.

Table 1 (Continued)
ANALYTICAL RESULTS
 Semi-Volatile Organics in Soil
 EPA Method 8270^a

GTEL Sample Number		7834-09	7834-10	7834-11	7834-12
Client Identification		COMP S3 (NESW)	S-1B	S-4W	S-5B
Date Sampled		07/24/90	07/26/90	07/25/90	07/25/90
Date Extracted		07/31/90	07/31/90	07/31/90	07/31/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
2,4-Dinitrophenol	1500	< 1500	< 1500	< 1500	< 1500
4-Nitrophenol	1500	< 1500	< 1500	< 1500	< 1500
Dibenzofuran	300	< 300	< 300	< 300	< 300
2,4-Dinitrotoluene	300	< 300	< 300	< 300	< 300
2,6-Dinitrotoluene	300	< 300	< 300	< 300	< 300
Diethylphthalate	300	< 300	< 300	< 300	< 300
4-Chlorophenyl-phenylether	300	< 300	< 300	< 300	< 300
Fluorene	300	< 300	< 300	< 300	< 300
4-Nitroaniline	1500	< 1500	< 1500	< 1500	< 1500
4,6-Dinitro-2-methylphenol	1500	< 1500	< 1500	< 1500	< 1500
N-Nitrosodiphenylamine	300	< 300	< 300	< 300	< 300
4-Bromophenyl-phenylether	300	< 300	< 300	< 300	< 300
Hexachlorobenzene	300	< 300	< 300	< 300	< 300
Pentachlorophenol	1500	< 1500	< 1500	< 1500	< 1500
Phenanthrene	300	< 300	< 300	< 300	< 300
Anthracene	300	< 300	< 300	< 300	< 300
Di-n-butylphthalate	300	< 300	< 300	< 300	< 300
Fluoranthene	300	< 300	< 300	< 300	< 300
Pyrene	300	< 300	< 300	< 300	< 300
Butylbenzylphthalate	300	< 300	< 300	< 300	< 300
3,3'-Dichlorobenzidine	600	< 600	< 600	< 600	< 600
Benzo(a)anthracene	300	< 300	< 300	< 300	< 300
bis(2-Ethylhexyl)phthalate	300	530	< 300	< 300	< 300
Chrysene	300	< 300	< 300	< 300	< 300
Di-n-octylphthalate	300	< 300	< 300	< 300	< 300
Benzo(b)fluoranthene	300	< 300	< 300	< 300	< 300
Benzo(k)fluoranthene	300	< 300	< 300	< 300	< 300
Benzidine	600	< 600	< 600	< 600	< 600
Benzo(a)pyrene	300	< 300	< 300	< 300	< 300
Indeno(1,2,3-cd)pyrene	300	< 300	< 300	< 300	< 300
Dibenz(a,h)anthracene	300	< 300	< 300	< 300	< 300
Benzo(g,h,i)perylene	300	< 300	< 300	< 300	< 300
Detection Limit Multiplier		1	1	1	1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, USEPA November 1986. Sample extraction by EPA Method 301500.

Table 1 (Continued)
ANALYTICAL RESULTS
 Semi-Volatile Organics in Soil
 EPA Method 8270^a

GTEL Sample Number		7834-13	7834-14	7834-15	7834-16
Client Identification		S-4B	COMP S-4 (NSE)	S-5E	COMP S5 (WSN)
Date Sampled		07/25/90	07/25/90	07/24/90	07/24/90
Date Extracted		07/31/90	07/31/90	07/31/90	07/31/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Phenol	300	< 300	< 300	< 300	< 300
bis(2-Chloroethyl)ether	300	< 300	< 300	< 300	< 300
2-Chlorophenol	300	< 300	< 300	< 300	< 300
1,3-Dichlorobenzene	300	< 300	< 300	< 300	< 300
1,4-Dichlorobenzene	300	< 300	< 300	< 300	< 300
Benzyl alcohol	300	< 300	< 300	< 300	< 300
1,2-Dichlorobenzene	300	< 300	< 300	< 300	< 300
2-Methylphenol	300	< 300	< 300	< 300	< 300
bis-(2-Chloroisopropyl)ether	300	< 300	< 300	< 300	< 300
4-Methylphenol	300	< 300	< 300	< 300	< 300
N-Nitroso-di-propylamine	300	< 300	< 300	< 300	< 300
Hexachloroethane	300	< 300	< 300	< 300	< 300
Nitrobenzene	300	< 300	< 300	< 300	< 300
Isophorone	300	< 300	< 300	< 300	< 300
2-Nitrophenol	300	< 300	< 300	< 300	< 300
2,4-Dimethylphenol	300	< 300	< 300	< 300	< 300
Benzoic acid	1500	< 1500	< 1500	< 1500	< 1500
bis(2-Chloroethoxy)methane	300	< 300	< 300	< 300	< 300
2,4-Dichlorophenol	300	< 300	< 300	< 300	< 300
1,2,4-Trichlorobenzene	300	< 300	< 300	< 300	< 300
Naphthalene	300	< 300	< 300	< 300	< 300
4-Chloroaniline	300	< 300	< 300	< 300	< 300
Hexachlorobutadiene	300	< 300	< 300	< 300	< 300
4-Chloro-3-methylphenol	300	< 300	< 300	< 300	< 300
2-Methylnaphthalene	300	< 300	< 300	< 300	< 300
Hexachlorocyclopentadiene	300	< 300	< 300	< 300	< 300
2,4,6-Trichlorophenol	300	< 300	< 300	< 300	< 300
2,4,5-Trichlorophenol	1500	< 1500	< 1500	< 1500	< 1500
2-Chloronaphthalene	300	< 300	< 300	< 300	< 300
2-Nitroaniline	1500	< 1500	< 1500	< 1500	< 1500
Dimethylphthalate	300	< 300	< 300	< 300	< 300
Acenaphthylene	300	< 300	< 300	< 300	< 300
3-Nitroaniline	1500	< 1500	< 1500	< 1500	< 1500
Acenaphthene	300	< 300	< 300	< 300	< 300

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 301500.

Table 1 (Continued)
ANALYTICAL RESULTS
 Semi-Volatile Organics in Soil
 EPA Method 8270^a

GTEL Sample Number		7834-13	7834-14	7834-15	7834-16
Client Identification		S-4B	COMP S-4 (NSE)	S-5E	COMP S-5 (WSN)
Date Sampled		07/25/90	07/25/90	07/25/90	07/25/90
Date Extracted		07/31/90	07/31/90	07/31/90	07/31/90
Date Analyzed		08/06/90	08/06/90	08/06/90	08/06/90
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
2,4-Dinitrophenol	1500	< 1500	< 1500	< 1500	< 1500
4-Nitrophenol	1500	< 1500	< 1500	< 1500	< 1500
Dibenzofuran	300	< 300	< 300	< 300	< 300
2,4-Dinitrotoluene	300	< 300	< 300	< 300	< 300
2,6-Dinitrotoluene	300	< 300	< 300	< 300	< 300
Diethylphthalate	300	< 300	< 300	< 300	< 300
4-Chlorophenyl-phenylether	300	< 300	< 300	< 300	< 300
Fluorene	300	< 300	< 300	< 300	< 300
4-Nitroaniline	1500	< 1500	< 1500	< 1500	< 1500
4,6-Dinitro-2-methylphenol	1500	< 1500	< 1500	< 1500	< 1500
N-Nitrosodiphenylamine	300	< 300	< 300	< 300	< 300
4-Bromophenyl-phenylether	300	< 300	< 300	< 300	< 300
Hexachlorobenzene	300	< 300	< 300	< 300	< 300
Pentachlorophenol	1500	< 1500	< 1500	< 1500	< 1500
Phenanthrene	300	< 300	< 300	< 300	< 300
Anthracene	300	< 300	< 300	< 300	< 300
Di-n-butylphthalate	300	< 300	400	< 300	< 300
Fluoranthene	300	< 300	< 300	< 300	< 300
Pyrene	300	< 300	< 300	< 300	< 300
Butylbenzylphthalate	300	< 300	< 300	< 300	< 300
3,3'-Dichlorobenzidine	600	< 600	< 600	< 600	< 600
Benzo(a)anthracene	300	< 300	< 300	< 300	< 300
bis(2-Ethylhexyl)phthalate	300	< 300	< 300	< 300	< 300
Chrysene	300	< 300	< 300	< 300	< 300
Di-n-octylphthalate	300	< 300	< 300	< 300	< 300
Benzo(b)fluoranthene	300	< 300	< 300	< 300	< 300
Benzo(k)fluoranthene	300	< 300	< 300	< 300	< 300
Benzdine	600	< 600	< 600	< 600	< 600
Benzo(a)pyrene	300	< 300	< 300	< 300	< 300
Indeno(1,2,3-cd)pyrene	300	< 300	< 300	< 300	< 300
Dibenz(a,h)anthracene	300	< 300	< 300	< 300	< 300
Benzo(g,h,i)perylene	300	< 300	< 300	< 300	< 300
Detection Limit Multiplier		1	1	1	1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 301500.

Table 1 (Continued)

ANALYTICAL RESULTS

Semi-Volatile Organics in Soil

EPA Method 8270^a

GTEL Sample Number		8199-01	8199-02	8199-03	
Client Identification		FIELD BLANK	COMP S1 (NESW)	COMP SOIL PILE	
Date Sampled		07/26/90	07/26/90	07/26/90	
Date Extracted		07/31/90	07/31/90	07/31/90	
Date Analyzed		08/06/90	08/06/90	08/06/90	
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Phenol	300	< 300	< 300	< 300	
bis(2-Chloroethyl)ether	300	< 300	< 300	< 300	
2-Chlorophenol	300	< 300	< 300	< 300	
1,3-Dichlorobenzene	300	< 300	< 300	< 300	
1,4-Dichlorobenzene	300	< 300	< 300	< 300	
Benzyl alcohol	300	< 300	< 300	< 300	
1,2-Dichlorobenzene	300	< 300	< 300	< 300	
2-Methylphenol	300	< 300	< 300	< 300	
bis-(2-Chloroisopropyl)ether	300	< 300	< 300	< 300	
4-Methylphenol	300	< 300	< 300	< 300	
N-Nitroso-di-propylamine	300	< 300	< 300	< 300	
Hexachloroethane	300	< 300	< 300	< 300	
Nitrobenzene	300	< 300	< 300	< 300	
Isophorone	300	< 300	< 300	< 300	
2-Nitrophenol	300	< 300	< 300	< 300	
2,4-Dimethylphenol	300	< 300	< 300	< 300	
Benzoic acid	1500	< 1500	< 1500	< 1500	
bis(2-Chloroethoxy)methane	300	< 300	< 300	< 300	
2,4-Dichlorophenol	300	< 300	< 300	< 300	
1,2,4-Trichlorobenzene	300	< 300	< 300	< 300	
Naphthalene	300	< 300	< 300	< 300	
4-Chloroaniline	300	< 300	< 300	< 300	
Hexachlorobutadiene	300	< 300	< 300	< 300	
4-Chloro-3-methylphenol	300	< 300	< 300	< 300	
2-Methylnaphthalene	300	< 300	< 300	< 300	
Hexachlorocyclopentadiene	300	< 300	< 300	< 300	
2,4,6-Trichlorophenol	300	< 300	< 300	< 300	
2,4,5-Trichlorophenol	1500	< 1500	< 1500	< 1500	
2-Chloronaphthalene	300	< 300	< 300	< 300	
2-Nitroaniline	1500	< 1500	< 1500	< 1500	
Dimethylphthalate	300	< 300	< 300	< 300	
Acenaphthylene	300	< 300	< 300	< 300	
3-Nitroaniline	1500	< 1500	< 1500	< 1500	
Acenaphthene	300	< 300	< 300	< 300	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 301500.

Table 1 (Continued)

ANALYTICAL RESULTS

Semi-Volatile Organics in Soil

EPA Method 8270^a

GTEL Sample Number		899-01	899-02	899-03	
Client Identification		FIELD BLANK	COMP S1 (NESW)	COMP SOIL PILE	
Date Sampled		07/26/90	07/26/90	07/26/90	
Date Extracted		07/31/90	07/31/90	07/31/90	
Date Analyzed		08/06/90	08/06/90	08/06/90	
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
2,4-Dinitrophenol	1500	< 1500	< 1500	< 1500	
4-Nitrophenol	1500	< 1500	< 1500	< 1500	
Dibenzofuran	300	< 300	< 300	< 300	
2,4-Dinitrotoluene	300	< 300	< 300	< 300	
2,6-Dinitrotoluene	300	< 300	< 300	< 300	
Diethylphthalate	300	< 300	< 300	< 300	
4-Chlorophenyl-phenylether	300	< 300	< 300	< 300	
Fluorene	300	< 300	< 300	< 300	
4-Nitroaniline	1500	< 1500	< 1500	< 1500	
4,6-Dinitro-2-methylphenol	1500	< 1500	< 1500	< 1500	
N-Nitrosodiphenylamine	300	< 300	< 300	< 300	
4-Bromophenyl-phenylether	300	< 300	< 300	< 300	
Hexachlorobenzene	300	< 300	< 300	< 300	
Pentachlorophenol	1500	< 1500	< 1500	< 1500	
Phenanthrene	300	< 300	< 300	< 300	
Anthracene	300	< 300	< 300	< 300	
Di-n-butylphthalate	300	< 300	400	< 300	
Fluoranthene	300	< 300	< 300	< 300	
Pyrene	300	< 300	< 300	< 300	
Butylbenzylphthalate	300	< 300	< 300	< 300	
3,3'-Dichlorobenzidine	600	< 600	< 600	< 600	
Benzo(a)anthracene	300	< 300	< 300	< 300	
bis(2-Ethylhexyl)phthalate	300	< 300	< 300	< 300	
Chrysene	300	< 300	< 300	< 300	
Di-n-octylphthalate	300	< 300	< 300	< 300	
Benzo(b)fluoranthene	300	< 300	< 300	< 300	
Benzo(k)fluoranthene	300	< 300	< 300	< 300	
Benzidine	600	< 600	< 600	< 600	
Benzo(a)pyrene	300	< 300	< 300	< 300	
Indeno(1,2,3-cd)pyrene	300	< 300	< 300	< 300	
Dibenz(a,h)anthracene	300	< 300	< 300	< 300	
Benzo(g,h,i)perylene	300	< 300	< 300	< 300	
Detection Limit Multiplier		1	1	1	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 301500.



4080- Pike Lane
Concord, CA 94520
415-685-7852

800-544-3422 (In CA)
800-423-7143 (Outside CA)

**CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST**

72-7197

CUSTODY RECORD

ANALYSIS REQUEST

Project Manager: *Wayne P. Fieschender* Phone #: *(415) 257-1500*

Address: Site location: *Case, E. Lake* FAX #: *(415) 257-1527*

Project Number: *571759* Project Name: *Safety-Kleen Base*

I attest that the proper field sampling procedures were used during the collection of these samples. Sampler Name (Print): *W. Fieschender*

- BTEX 602 8020 with MTBE
- BTEX/TPH Gas. 602/8015 8020/8015 MTBE
- TPH as Gas Diesel Jet Fuel
- Product I.D. by GC (SIMDIS)
- Total Oil & Grease: 413.1 413.2 503A
- Total Petroleum Hydrocarbons: 418.1 503E
- EPA 601 8010 DCA only
- EPA 602 8020
- EPA 608 8080 PCBs only
- EPA 610 8310
- EPA 624 8240 NBS +15
- EPA 625 8270 NBS +25
- EPTOX: Metals Pesticides Herbicides
- TCLP Metals VOA Semi VOA
- EPA Priority Pollutant Metals HSL
- LEAD 7420 7421 239.2 6010 Org. Lead
- CAM Metals STLC TTLC
- Corrosivity Flashpoint Reactivity

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix					Method Preserved				Sampling			
				WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO3	H2SO4	ICE	NONE	OTHER	DATE	TIME
S-1N	Exc # 1 north side			X	X										7/26	
S-1S	Exc # 1 south side			X	X										"	
S-1E	Exc # 1 east side			X	X										"	
S-1W	Exc # 1 west side			X	X										"	
Soil P/L				X	X										"	
Soil P/L				X	X										"	
Soil P/L				X	X										"	
Soil P/L				X	X										"	
Soil P/L				X	X										"	
Soil P/L				X	X										"	

Composite these samples in lab by volume. Analyze composite.

Composite all six soil pile samples in lab by volume. Analyze composite.

SPECIAL HANDLING

- 24 HOURS
- EXPEDITED 48 Hours
- SEVEN DAY
- OTHER _____ (#) BUSINESS DAYS
- QA/QC CLP Level Blue Level
- FAX

SPECIAL DETECTION LIMITS (Specify)

To detect all contaminants in RORA health base at levels - proposed in report 5

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS:

Will report to: Coast. Authority, Seabee or other. 215 N. 78th St. with 1002 & 306. Wayne Fieschender

Lab Use Only

Storage Location

Lot #:

Work Order #:

Received by:		Date	Time
		7/26/90	1:20 pm
Received by:		Date	Time
Received by:		Date	Time
Received by:		Date	Time

Way bill #



4080- Pike Lane
Concord, CA 94520
415-685-7852

800-544-3422 (In CA)
800-423-7143 (Outside CA)

**CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST**

72-7195

CUSTODY RECORD

Project Manager: Wayne P Fassbender Phone #: (414) 257-1500
FAX #: (414) 257-0037

Address: 345 N. 95th Street Site location: Boise, Idaho
Milwaukee, WI 53226

Project Number: 891759 Project Name: Safety-Kleen Boise

I attest that the proper field sampling procedures were used during the collection of these samples. Sampler Name (Print): Wayne P. Fassbender

ANALYSIS REQUEST

- BTEX 602 8020 with MTBE
- BTEX/TPH Gas: 602/8015 8020/8015 MTBE
- TPH as Gas Diesel Jet Fuel
- Product I.D. by GC (SIMD/S)
- Total Oil & Grease: 413.1 413.2 503A
- Total Petroleum Hydrocarbons: 418.1 503E
- EPA 601 8010 DCA only
- EPA 602 8020
- EPA 608 8080 PCBs only
- EPA 610 8310
- EPA 624 8240 NBS +15
- EPA 625 8270 NBS +25
- EPTOX: Metals Pesticides Herbicides
- TCLP Metals VOA Semi VOA
- EPA Priority Pollutant Metals HSL
- LEAD 7420 7421 2992 6010 Org. Lead
- CAM Metals STLC TTLC
- Corrosivity Flashpoint Reactivity

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix				Method Preserved				Sampling				
				WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO3	H2SO4	ICE	NONE	OTHER	DATE	TIME
SSB	Bottom of sump		1		X										7/26/90	
SSN	North side sump		1		X										"	
SSS	South side sump		1		X										"	
SSE	East side sump		1		X										"	
SSW	West side sump		1		X										"	
ST-B	Trunk bottom		1		X										"	
ST-N	North side		1		X										"	
ST-S	South side		1		X										"	
ST-E	East side		1		X										"	
ST-W	West side		1		X										"	

Composite SSN, SSS, SSE + SSW in lab. by volume. Analyze the composite sample.

Composite ST-N, ST-S, ST-E + ST-W in lab. by volume. Analyze the composite sample.

Received by:	Received by:	Received by Laboratory:	Way bill #
Date	Time	Date	Time
7/26/90	1:30 pm		
Date	Time	Date	Time
Relinquished by Sampler:	Relinquished by:	Relinquished by:	
<i>Wayne P. Fassbender</i>			

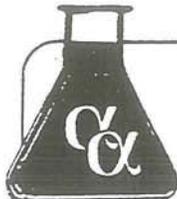
SPECIAL HANDLING

- 24 HOURS
- EXPEDITED 48 Hours
- SEVEN DAY
- OTHER _____ (#) BUSINESS DAYS
- QA/QC CLP Level Blue Level
- FAX

SPECIAL DETECTION LIMITS (Specify)
to detect all contaminants at RCRA to 1th basic risk levels proposed subject S.

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS: Bill + report to Graft, Anhalt, Schlomer + Associates, Inc.
345 N. 95th Street
Milwaukee, WI 53226
Wayne P. Fassbender
Lab Use Only Storage Location
Lot #: Work Order #:



Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21
Sparks, Nevada 89431
(702) 355-1044

FAX: 702-355-0406
1-800-283-1183

Boise, Idaho
(208) 336-4145

ANALYTICAL REPORT

2810 W. Charleston, Suite G67
Las Vegas, Nevada 89102
(702) 386-6747

Graef Anhalt Schloemer Assn., Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226

Job#: Safety-Kleen, Boise
Phone: (414) 259-1500
Attn: Wayne Fassbender

Sampled: 07/25/90 Received: 07/27/90 Analyzed: 8/21/90
Alpha Analytical Number: GAS072790-01
Client I.D. Number: Exc #5 Bottom S-5B

Report of GC/MS Analysis for Base/Neutral/Acid Extractables EPA 625/8270

Compound	Concentration ug/Kg	Detection Limit	Compound	Concentration ug/Kg	Detection Limit
1. Phenol	ND	660 ug/Kg	32. Fluorene	ND	660 ug/Kg
2. bis(2-Chloroethyl)ether	ND	660 ug/Kg	33. 4,6-Dinitro-2-methylphenol	ND	3300 ug/Kg
3. 2-Chlorophenol	ND	660 ug/Kg	34. N-Nitrosodiphenylamine	ND	660 ug/Kg
4. 1,3-Dichlorobenzene	ND	660 ug/Kg	35. 4-Bromophenyl phenyl ether	ND	660 ug/Kg
5. 1,4-Dichlorobenzene	ND	660 ug/Kg	36. Hexachlorobenzene	ND	660 ug/Kg
6. 1,2-Dichlorobenzene	ND	660 ug/Kg	37. Pentachlorophenol	ND	3300 ug/Kg
7. bis(2-Chloroisopropyl)ether	ND	660 ug/Kg	38. Phenanthrene	ND	660 ug/Kg
8. N-Nitroso-Di-N-propylamine	ND	660 ug/Kg	39. Anthracene	ND	660 ug/Kg
9. Hexachloroethane	ND	660 ug/Kg	40. Di-n-butylphthalate	ND	3300 ug/Kg
10. Nitrobenzene	ND	660 ug/Kg	41. Fluoranthene	ND	660 ug/Kg
11. Isophorone	ND	660 ug/Kg	42. Pyrene	ND	660 ug/Kg
12. 2-Nitrophenol	ND	660 ug/Kg	43. Butyl benzyl phthalate	ND	660 ug/Kg
13. 2,4-Dimethylphenol	ND	660 ug/Kg	44. 3,3'-Dichlorobenzidine	ND	1300 ug/Kg
14. bis(2-Chloroethoxy)methane	ND	660 ug/Kg	45. Benzo(a)anthracene	ND	660 ug/Kg
15. 2,4-Dichlorophenol	ND	660 ug/Kg	46. bis(2-ethylhexyl)phthalate	ND	3300 ug/Kg
16. 1,2,4-Trichlorobenzene	ND	660 ug/Kg	47. Chrysene	ND	660 ug/Kg
17. Naphthalene	ND	660 ug/Kg	48. Di-n-octyl phthalate	ND	660 ug/Kg
18. Hexachlorobutadiene	ND	660 ug/Kg	49. Benzo(b)fluoranthene	ND	660 ug/Kg
19. 4-Chloro-3-methylphenol	ND	1300 ug/Kg	50. Benzo(k)fluoranthene	ND	660 ug/Kg
20. Hexachlorocyclopentadiene	ND	660 ug/Kg	51. Benzo(a)pyrene	ND	660 ug/Kg
21. 2,4,6-Trichlorophenol	ND	660 ug/Kg	52. Indeno(1,2,3-cd)pyrene	ND	660 ug/Kg
22. 2-Chloronaphthalene	ND	660 ug/Kg	53. Dibenz(a,h)anthracene	ND	660 ug/Kg
23. Dimethyl phthalate	ND	660 ug/Kg	54. Benzo(g,h,i)perylene	ND	660 ug/Kg
24. Acenaphthylene	ND	660 ug/Kg			
25. Acenaphthene	ND	660 ug/Kg			
26. 2,4-Dinitrophenol	ND	3300 ug/Kg			
27. 4-Nitrophenol	ND	3300 ug/Kg			
28. 2,4-Dinitrotoluene	ND	660 ug/Kg			
29. 2,6-Dinitrotoluene	ND	660 ug/Kg			
30. Diethylphthalate	ND	3300 ug/Kg			
31. 4-Chlorophenyl phenyl ether	ND	660 ug/Kg			

ND - Not Detected

Approved by:

Roger L. Scholl

Date:

8/27/90

Roger L. Scholl, Ph.D.
Laboratory Director



Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21
Sparks, Nevada 89431
(702) 355-1044

FAX: 702-355-0406
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Las Vegas, Nevada 89102
(702) 386-6747

ANALYTICAL REPORT

Graef Anhalt Schloemer Assn., Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226

Job#: Safety-Kleen, Boise
Phone: (414) 259-1500
Attn: Wayne Fassbender

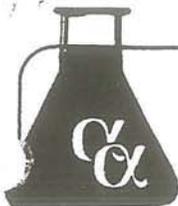
Sampled: 7/25/90 Received: 7/27/90 Analyzed: 7/30/90
Alpha Analytical Number: GAS072790-01
Client I.D. Number: Exc #5 bottom S-5B

Report of GC/MS Analysis for Volatile Organic Contaminants EPA 624/8240

Compound	Concentration ug/Kg	Detection Limit	Compound	Concentration ug/Kg	Detection Limit
1. Benzene	ND	20 ug/Kg	27. 1,1,1-Trichloroethane	ND	20 ug/Kg
2. Bromodichloromethane	ND	20 ug/Kg	28. 1,1,2-Trichloroethane	ND	20 ug/Kg
3. Bromomethane	ND	20 ug/Kg	29. Trichloroethene	ND	20 ug/Kg
4. Bromoform	ND	20 ug/Kg	30. Trichlorofluoromethane	ND	20 ug/Kg
5. Carbon Tetrachloride	ND	20 ug/Kg	31. Vinyl chloride	ND	20 ug/Kg
6. Chlorobenzene	ND	20 ug/Kg	32. p,m-Xylene	ND	20 ug/Kg
7. Chloroethane	ND	20 ug/Kg	33. o-Xylene	ND	20 ug/Kg
8. 2-Chloroethylvinyl ether	ND	20 ug/Kg			
9. Chloroform	ND	20 ug/Kg			
10. Chloromethane	ND	20 ug/Kg			
11. Dibromochloromethane	ND	20 ug/Kg			
12. 1,2-Dichlorobenzene	ND	20 ug/Kg			
13. 1,3-Dichlorobenzene	ND	20 ug/Kg			
14. 1,4-Dichlorobenzene	ND	20 ug/Kg			
15. 1,1-Dichloroethane	ND	20 ug/Kg			
16. 1,2-Dichloroethane	ND	20 ug/Kg			
17. 1,1-Dichloroethene	ND	20 ug/Kg			
18. 1,2-Dichloropropene	ND	20 ug/Kg			
19. trans-1,3-Dichloroethene	ND	20 ug/Kg			
20. cis-1,3-Dichloropropene	ND	20 ug/Kg			
21. Ethylbenzene	ND	20 ug/Kg			
22. trans-1,3-Dichloropropene	ND	20 ug/Kg			
23. Methylene chloride	ND	20 ug/Kg			
24. Tetrachloroethene	ND	20 ug/Kg			
25. 1,1,2,2-Tetrachloroethane	ND	20 ug/Kg			
26. Toluene	ND	20 ug/Kg			

ND - Not Detected

Approved By: Roger E. Scholl Date: 8/30/90
Roger E. Scholl, Ph.D.
Laboratory Director



Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21
Sparks, Nevada 89431
(702) 355-1044

FAX: 702-355-0406
1-800-283-1183

413 W. Jefferson, Suite 4
Boise, Idaho 83701
(208) 336-4145

2810 W. Charleston, Suite G67
Las Vegas, Nevada 89102
(702) 386-6747

ANALYTICAL REPORT

Graef Anhalt Schloemer Assn., Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226

Job#: Safety-Kleen, Boise
Phone: (414) 259-1500
Attn: Wayne Fassbender

Sampled: 7/25/90 Received: 7/27/90 Analyzed: 7/28/90

Matrix: [X] Soil [] Water [] Waste

Analysis Requested: TPH - Total Petroleum Hydrocarbons

Methodology: TPH - Modified 8015

Results:

Client ID/ Lab ID	Parameter	Concentration mg/Kg	Detection Limit mg/Kg
Exc #5 bottom S-5B /GAS072790-01	TPH	ND	10

ND - Not Detected

Approved By:

Roger L. Scholl
Roger L. Scholl, Ph.D.
Laboratory Director

Date:

8/14/90

Exhibit J-2

1990 Soil Cleanup Approval



State of Idaho
DEPARTMENT OF HEALTH AND WELFARE
Division of Environmental Quality

1410 N. Hilton
Boise, Idaho 83706

CECIL D. ANDRUS

Governor

RICHARD P. DONOVAN

Director

December 19, 1990

Anne Lunt
Senior Project Manager - Remediation
Safety-Kleen Corporation
777 Big Timber Road
Elgin, Illinois 60123

Dear Ms. Lunt:

This letter is in reference to your October 29, 1990 letter and the Excavation of Contaminated Soils report dated September, 1990.

The Idaho Department of Health and Welfare has completed a review of the report detailing Safety-Kleen's soil remediation efforts on the proposed service branch location at Supply Way and Gowen Road, Boise, Idaho. The Department concurs with your conclusion that the site has been successfully remediated.

Should you have any questions regarding this matter please contact Randal W. Steger of my staff at (208) 334-5879.

Sincerely,

Brian R. Monson, Manager
Compliance Section
Hazardous Materials Bureau

BRM/RWS/jr



Exhibit J-3

Pond Discharge Sampling Final Report



June 11, 2009

Ms. Eileen Loerch
Hazardous Waste Science Officer
Idaho Department of Environmental Quality, Boise Regional Office
1445 North Orchard
Boise, ID 83706

RE: Background Soil Sampling Report, Safety-Kleen Systems, Inc. Retention Pond Discharge Pipe,
Boise, Idaho

Dear Ms. Loerch:

Safety-Kleen Systems Inc. (S-K) operates a transfer facility at 6334 Supply Way in Boise, Idaho (the Site, Figure 1). Storm water from the employee parking lot is directed to a retention pond, which then discharges through a pipe onto the ground surface. Pursuant to Condition 5.B.2.b of the Consent Order between S-K and Idaho Department of Environmental Quality (IDEQ), effective date April 17, 2008, S-K submitted a revised Sampling and Analysis Plan (SAP), dated August 4, 2008. The SAP proposed soil sampling activities near the discharge pipe in accordance with the Consent Order. IDEQ formally approved the SAP in correspondence dated September 3, 2008, and S-K performed soil sampling activities on October 2, 2008. S-K submitted a November 11, 2008 report to IDEQ summarizing the sampling activities and results. The results of the October 2008 sampling results are summarized as follows.

Two polycyclic aromatic hydrocarbons (PAHs; benzo(a)pyrene and dibenz(a,h)anthracene) and one metal (arsenic) were reported above IDEQ's Initial Default Target Levels (IDTLs) and USEPA Region 9 Preliminary Remediation Goals for Residential Soil (PRGs) in the October 2008 soil sample collected adjacent to the effluent discharge pipe. Five metals (cadmium, chromium, mercury, selenium, and silver) were reported above IDTLs but below Region 9 Residential PRGs.

IDEQ provided a comment letter dated December 15, 2008 (received on December 18, 2008) requesting additional information to supplement the November 2008 report. S-K submitted a January 15, 2009 SAP

that proposed additional sampling to evaluate background concentrations of certain constituents. IDEQ formally approved the SAP in a letter dated February 18, 2009 (received by S-K on March 30, 2009).

S-K collected four soil samples (SK-01 through SK-04), on April 8, 2009, from depth of approximately 3 to 6 inches below ground surface pursuant to the methods proposed in the January 2009 SAP. As shown on Figure 2, the samples were collected in the western portion of the Site, adjacent to the main parking lot. Based on the laboratory analytical results it was determined that the background sampling area was unaffected by retention pond discharge and routine waste management practices. Background samples were shipped to Anatek Labs, Inc., in Moscow, Idaho, and analyzed for PAHs (EPA Method 8270) and RCRA 8 metals (EPA Method 6020). A chain-of-custody/sample-analysis-request (COC/SAR) form accompanied the samples to the laboratory. COC/SAR forms and laboratory analytical reports are provided as Appendix A.

Results from the October 2008 discharge pipe sampling and the April 2009 background sampling are summarized in Tables 1 and 2. As previously mentioned, two PAHs, benzo(a)pyrene and dibenz(a,h)anthracene, were reported at concentrations slightly above their respective screening levels in the October 2008 sample collected near the effluent discharge pipe. Two background samples, SK-01 and SK-03, also contained reportable concentrations of benzo(a)pyrene and dibenz(a,h)anthracene above screening levels.

All metal concentrations, with the exception of arsenic, were below IDTLs and/or Residential PRGs in the October 2008 discharge sample. Arsenic concentrations in all four background samples (SK-01 through SK-04) also exceeded screening levels. Chromium was reported at concentrations above the IDTL, but below the Residential PRG, in the October 2008 discharge sample and all April 2009 background samples.

Four metals; cadmium, mercury, selenium, and silver, were reported at concentrations of 2.30, 0.0527, 17.9, and 4.25 milligrams per kilogram (mg/kg), respectively, in the October 2008 sample. These concentrations were above the IDTL and below the Residential PRG. However, the background samples did not contain detectable concentrations of these metals above their respective laboratory reporting limits (0.05 mg/kg). The slightly higher concentration of metals in soils in the immediate effluent area of the discharge pipe is expected. Commingled storm water historically discharged to the small discharge pipe surface area would likely cause a slightly higher concentration of background metals relative to those in surrounding soils. Additionally, metals are not typically associated with S-K operations or chemicals stored within the transfer facility. It is unlikely that metals, attributable to a release, would be detected in the absence of other constituents (i.e. volatile organic compounds and chlorinated solvents).

Ms. Eileen Loerch
June 11, 2009
Page 3

The October 2008 and April 2009 analytical results indicate that soils in the immediate vicinity of the piping discharge are not significantly impacted by the retention pond discharge. Therefore, S-K requests a "No Further Action" approval from IDEQ. S-K appreciates IDEQ's assistance with this project. If you have any questions or require additional information regarding this report, please do not hesitate to contact me at (307) 742-6150 or Matt Jones with Trihydro Corporation at (360) 312-9109.

Sincerely,
Safety-Kleen Systems, Inc.



Brian Culnan
Senior Remediation Manager

025-014-002

cc: Michael McCurdy (IDEQ, Boise)
Bill Ross
Kyle Adams (S-K, Boise Branch)
Gary Olsen

Trihydro Corporation

TABLES

TABLE 1. SOIL QUALITY DATA SUMMARY, VOLATILE ORGANIC CONSTITUENTS AND SEMIVOLATILE ORGANIC CONSTITUENTS
DISCHARGE PIPE AREA AND BACKGROUND SAMPLING, SAFETY-KLEEN SYSTEMS, INC. 10-DAY TRANSFER FACILITY, BOISE, IDAHO

Sample ID	Date	Anthracene mg/kg	Benzo(ghi)perylene mg/kg	Benzo(a)anthracene mg/kg	Benzo(a)pyrene mg/kg	Benzo(b)fluoranthene mg/kg	Benzo(k)fluoranthene mg/kg	bis(2-ethylhexyl)phthalate mg/kg	Chrysene mg/kg	Dibenz(a,h)anthracene mg/kg
Discharge Pipe	10/2/2008	ND (0.05)	0.49	ND (0.05)	0.12	0.22	0.14	0.91	0.13	0.12
SK-01	4/8/2009	ND (0.01)	0.277	0.044	0.086	0.185	0.115	NA	0.090	0.058
SK-02	4/8/2009	ND (0.01)	0.022	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	NA	ND (0.01)	ND (0.01)
SK-03	4/8/2009	0.014	0.609	0.058	0.158	0.474	ND (0.01)	NA	0.120	0.113
SK-04	4/8/2009	ND (0.01)	0.017	ND (0.01)	ND (0.01)	0.015	0.014	NA	ND (0.01)	ND (0.01)
IDTL ¹		1,040	1,180	0.422	0.0422	0.422	4.22	11.8	33.4	0.0422
Region 9 PRGs ²		17,000	NA	0.15	0.015	0.15	1.5	35	15	0.015

Notes:

¹ 2004 Idaho Department of Environmental Quality Initial Default Target Levels

² September 2008 Region 9 Preliminary Remediation Goals for Residential Soil Data

- mg/kg = milligrams per kilogram

- ND = non detect below practical quantitation limit in parentheses

- NA = not applicable or not analyzed

- Concentrations in BOLD exceed both IDTLs and Region 9 PRGs

TABLE 1. SOIL QUALITY DATA SUMMARY, VOLATILE ORGANIC CONSTITUENTS AND SEMIVOLATILE ORGANIC CONSTITUENTS
DISCHARGE PIPE AREA AND BACKGROUND SAMPLING, SAFETY-KLEEN SYSTEMS, INC. 10-DAY TRANSFER FACILITY, BOISE, IDAHO

Sample ID	Date	Di-n-octylphthalate mg/kg	Fluorantene mg/kg	Indeno(1,2,3-cd)pyrene mg/kg	1-Methylnaphthalene mg/kg	2-Methylnaphthalene mg/kg	Naphthalene mg/kg	Phenanthrene mg/kg	Pyrene mg/kg	Toluene mg/kg	All Other VOCs and/or SVOCs mg/kg
Discharge Pipe	10/2/2008	0.30	ND (0.05)	0.36	0.27	0.35	0.0324	ND (0.05)	ND (0.05)	0.0601	ND
SK-01	4/8/2009	NA	0.060	0.179	NA	ND (0.01)	ND (0.01)	0.027	0.055	NA	ND
SK-02	4/8/2009	NA	NA	0.012	NA	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	NA	ND
SK-03	4/8/2009	NA	0.070	0.405	NA	0.013	0.013	0.025	0.070	NA	ND
SK-04	4/8/2009	NA	0.024	0.011	NA	ND (0.01)	ND (0.01)	0.015	0.021	NA	ND
IDTL ¹		1,830	364	0.422	NA	3,31	1.14	79	359	4.89	NA
Region 9 PRGs ²		NA	2,300	0.15	22	310	3.9	NA	1,700	5,000	NA

Notes:

¹ 2004 Idaho Department of Environmental Quality Initial Default Target Levels

² September 2008 Region 9 Preliminary Remediation Goals for Residential Soil Data

- mg/kg = milligrams per kilogram

- ND = non detect below practical quantitation limit in parentheses

- NA = not applicable

- Concentrations in BOLD exceed both IDTLs and Region 9 PRGs

TABLE 2. SOIL QUALITY DATA SUMMARY - METALS
DISCHARGE PIPE AREA AND BACKGROUND SAMPLING, SAFETY-KLEEN SYSTEMS, INC. 10-DAY TRANSFER FACILITY, BOISE, IDAHO

Sample ID	Date	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Chromium mg/kg	Lead mg/kg	Mercury mg/kg	Selenium mg/kg	Silver mg/kg
Discharge Pipe	10/2/2008	7.29	199	2.30	25.9	48.6	0.0527	17.9	4.25
SK-01	4/8/2009	4.42	123	ND(0.5)	17.6	21.6	ND (0.05)	ND(0.5)	ND(0.5)
SK-02	4/8/2009	5.06	75.8	ND(0.5)	13.4	13.5	ND (0.05)	ND(0.5)	ND(0.5)
SK-03	4/8/2009	5.48	84	ND(0.5)	13.9	11.3	ND (0.05)	ND(0.5)	ND(0.5)
SK-04	4/8/2009	5.25	81	ND(0.5)	13.3	10.9	ND (0.05)	ND(0.5)	ND(0.5)
IDTL ¹		0.39	896	1.35	7.9	49.6	0.00509	2.03	0.189
Region 9 PRGs ²		0.39	15,000	70	230	400	4.3	390	390

Notes:

- ¹ 2004 Idaho Department of Environmental Quality Initial Default Target Levels
- ² April 2009 Region 9 Preliminary Remediation Goals for Residential Soil Data
- mg/kg = milligrams per kilogram
- ND = non detect below practical quantitation limit in parentheses
- Concentrations in **BOLD** exceed both IDTLs and Region 9 PRGs

APPENDIX A
LABORATORY ANALYTICAL REPORT

Anatek Labs, Inc.

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Client: TRIHYDRO CORPORATION
Address: 1252 COMMERCE DRIVE
LARAMIE, WY 82070
Attn: MATTHEW JONES

Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report

Sample Number	090409011-001	Sampling Date	4/8/2009	Date/Time Received	4/9/2009 10:50 AM
Client Sample ID	SK-01	Sampling Time	12:50 PM	Extraction Date	4/10/2009
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2-Methylnaphthalene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Acenaphthene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Acenaphthylene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Anthracene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo(ghi)perylene	0.277	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[a]anthracene	0.044	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[a]pyrene	0.086	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[b]fluoranthene	0.185	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[k]fluoranthene	0.115	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Chrysene	0.090	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Dibenz[a,h]anthracene	0.058	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Fluoranthene	0.060	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Fluorene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	0.179	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Naphthalene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Phenanthrene	0.027	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Pyrene	0.055	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
%moisture	10.3	Percent				%moisture	

Surrogate Data

Sample Number	090409011-001			
Surrogate Standard		Method	Percent Recovery	Control Limits
Terphenyl-d14		EPA 8270C	103.4	18-137

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LARAMIE, WY 82070
Attn: MATTHEW JONES

Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report

Sample Number 090409011-002 **Sampling Date** 4/8/2009 **Date/Time Received** 4/9/2009 10:50 AM
Client Sample ID SK-02 **Sampling Time** 1:00 PM **Extraction Date** 4/10/2009
Matrix Soil **Sample Location**
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2-Methylnaphthalene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Acenaphthene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Acenaphthylene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Anthracene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo(ghi)perylene	0.022	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[a]anthracene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[a]pyrene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Chrysene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Fluoranthene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Fluorene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	0.012	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Naphthalene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Phenanthrene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Pyrene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
%moisture	15.7	Percent				%moisture	

Surrogate Data

Sample Number	Surrogate Standard	Method	Percent Recovery	Control Limits
090409011-002	Terphenyl-d14	EPA 8270C	104.4	18-137

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Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report

Sample Number	090409011-003	Sampling Date	4/8/2009	Date/Time Received	4/9/2009 10:50 AM
Client Sample ID	SK-03	Sampling Time	1:10 PM	Extraction Date	4/10/2009
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2-Methylnaphthalene	0.013	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Acenaphthene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Acenaphthylene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Anthracene	0.014	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo(ghi)perylene	0.609	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[a]anthracene	0.058	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[a]pyrene	0.158	mg/kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[b]fluoranthene	0.474	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Chrysene	0.120	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Dibenz[a,h]anthracene	0.113	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Fluoranthene	0.070	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Fluorene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	0.405	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Naphthalene	0.013	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Phenanthrene	0.025	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Pyrene	0.070	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
%moisture	11.4	Percent				%moisture	

Surrogate Data

Sample Number	090409011-003	Method	Percent Recovery	Control Limits
Surrogate Standard		EPA 8270C	101.5	18-137
Terphenyl-d14				

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Address: 1252 COMMERCE DRIVE
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Attn: MATTHEW JONES

Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report

Sample Number	090409011-004	Sampling Date	4/8/2009	Date/Time Received	4/9/2009 10:50 AM
Client Sample ID	SK-04	Sampling Time	1:20 PM	Extraction Date	4/10/2009
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2-Methylnaphthalene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Acenaphthene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Acenaphthylene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Anthracene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo(ghi)perylene	0.017	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[a]anthracene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[a]pyrene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[b]fluoranthene	0.015	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Benzo[k]fluoranthene	0.014	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Chrysene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Fluoranthene	0.024	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Fluorene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	0.011	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Naphthalene	ND	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Phenanthrene	0.015	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
Pyrene	0.021	mg/Kg	0.01	4/10/2009	EMP	EPA 8270C	
%moisture	10.2	Percent				%moisture	

Surrogate Data

Sample Number	090409011-004			
Surrogate Standard	Terphenyl-d14	Method	Percent Recovery	Control Limits
		EPA 8270C	106.2	18-137

Authorized Signature



MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

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Address: 1252 COMMERCE DRIVE
LARAMIE, WY 82070
Attn: MATTHEW JONES

Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Chrysene	0.934	mg/kg	1	93.4	30-140	4/10/2009	4/10/2009
Acenaphthene	1.02	mg/kg	1	102.0	30-140	4/10/2009	4/10/2009
Acenaphthylene	1.06	mg/kg	1	106.0	30-140	4/10/2009	4/10/2009
Anthracene	0.910	mg/kg	1	91.0	30-140	4/10/2009	4/10/2009
Benzo(ghi)perylene	0.921	mg/kg	1	92.1	30-140	4/10/2009	4/10/2009
Benzo[a]anthracene	1.01	mg/kg	1	101.0	30-140	4/10/2009	4/10/2009
Benzo[a]pyrene	1.03	mg/kg	1	103.0	30-140	4/10/2009	4/10/2009
2-Methylnaphthalene	1.39	mg/kg	1	139.0	30-140	4/10/2009	4/10/2009
Benzo[k]fluoranthene	1.04	mg/kg	1	104.0	30-140	4/10/2009	4/10/2009
Pyrene	0.976	mg/kg	1	97.6	30-140	4/10/2009	4/10/2009
Dibenz[a,h]anthracene	0.930	mg/kg	1	93.0	30-140	4/10/2009	4/10/2009
Fluoranthene	0.994	mg/kg	1	99.4	30-140	4/10/2009	4/10/2009
Fluorene	1.00	mg/kg	1	100.0	30-140	4/10/2009	4/10/2009
Indeno[1,2,3-cd]pyrene	0.922	mg/kg	1	92.2	30-140	4/10/2009	4/10/2009
Naphthalene	1.00	mg/kg	1	100.0	30-140	4/10/2009	4/10/2009
Phenanthrene	0.952	mg/kg	1	95.2	30-140	4/10/2009	4/10/2009
Benzo[b]fluoranthene	1.02	mg/kg	1	102.0	30-140	4/10/2009	4/10/2009

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
090409011-003	Chrysene	0.120	1.03	mg/kg	1	92.3	30-140	4/10/2009	4/10/2009
090409011-003	Acenaphthene	ND	0.978	mg/kg	1	97.8	30-140	4/10/2009	4/10/2009
090409011-003	Acenaphthylene	ND	1.02	mg/kg	1	102.0	30-140	4/10/2009	4/10/2009
090409011-003	Anthracene	0.014	0.934	mg/kg	1	92.2	30-140	4/10/2009	4/10/2009
090409011-003	Benzo(ghi)perylene	0.609	1.305	mg/kg	1	76.5	30-140	4/10/2009	4/10/2009
090409011-003	Benzo[a]anthracene	0.058	1.05	mg/kg	1	99.9	30-140	4/10/2009	4/10/2009
090409011-003	Benzo[a]pyrene	0.158	1.13	mg/kg	1	99.0	30-140	4/10/2009	4/10/2009
090409011-003	2-Methylnaphthalene	0.013	1.26	mg/kg	1	124.8	30-140	4/10/2009	4/10/2009
090409011-003	Benzo[k]fluoranthene	ND	1.31	mg/kg	1	131.0	30-140	4/10/2009	4/10/2009
090409011-003	Pyrene	0.070	1.02	mg/kg	1	95.8	30-140	4/10/2009	4/10/2009
090409011-003	Dibenz[a,h]anthracene	0.113	0.992	mg/kg	1	89.2	30-140	4/10/2009	4/10/2009
090409011-003	Fluoranthene	0.070	1.03	mg/kg	1	96.8	30-140	4/10/2009	4/10/2009
090409011-003	Fluorene	ND	0.978	mg/kg	1	97.8	30-140	4/10/2009	4/10/2009
090409011-003	Indeno[1,2,3-cd]pyrene	0.405	1.19	mg/kg	1	83.1	30-140	4/10/2009	4/10/2009

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT: CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA: Cert2632; ID: WA00169; WA: C1267

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LARAMIE, WY 82070
Attn: MATTHEW JONES

Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report Quality Control Data

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
090409011-003	Naphthalene	0.013	0.961	mg/kg	1	94.9	30-140	4/10/2009	4/10/2009
090409011-003	Phenanthrene	0.025	0.979	mg/kg	1	95.7	30-140	4/10/2009	4/10/2009
090409011-003	Benzo[b]fluoranthene	0.474	1.14	mg/kg	1	72.0	30-140	4/10/2009	4/10/2009

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Chrysene	0.995	mg/kg	1	88.8	3.5	0-50	4/10/2009	4/10/2009
Acenaphthene	0.996	mg/kg	1	99.6	1.8	0-50	4/10/2009	4/10/2009
Acenaphthylene	1.04	mg/kg	1	104.0	1.9	0-50	4/10/2009	4/10/2009
Anthracene	0.923	mg/kg	1	91.1	1.2	0-50	4/10/2009	4/10/2009
Benzo(ghi)perylene	1.20	mg/kg	1	66.0	8.4	0-50	4/10/2009	4/10/2009
Benzo[a]anthracene	1.05	mg/kg	1	99.9	0.0	0-50	4/10/2009	4/10/2009
Benzo[a]pyrene	1.17	mg/kg	1	103.0	3.5	0-50	4/10/2009	4/10/2009
2-Methylnaphthalene	1.27	mg/kg	1	125.8	0.8	0-50	4/10/2009	4/10/2009
Benzo[k]fluoranthene	0.858	mg/kg	1	85.8	41.7	0-50	4/10/2009	4/10/2009
Pyrene	1.01	mg/kg	1	94.8	1.0	0-50	4/10/2009	4/10/2009
Dibenz[a,h]anthracene	0.950	mg/kg	1	85.0	4.3	0-50	4/10/2009	4/10/2009
Fluoranthene	1.03	mg/kg	1	96.8	0.0	0-50	4/10/2009	4/10/2009
Fluorene	0.991	mg/kg	1	99.1	1.3	0-50	4/10/2009	4/10/2009
Indeno[1,2,3-cd]pyrene	1.14	mg/kg	1	78.1	4.3	0-50	4/10/2009	4/10/2009
Naphthalene	0.957	mg/kg	1	94.5	0.4	0-50	4/10/2009	4/10/2009
Phenanthrene	0.955	mg/kg	1	93.3	2.5	0-50	4/10/2009	4/10/2009
Benzo[b]fluoranthene	1.62	mg/kg	1	120.0	34.8	0-50	4/10/2009	4/10/2009

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
2-Methylnaphthalene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Acenaphthene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Acenaphthylene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Anthracene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Benzo(ghi)perylene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Benzo[a]anthracene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Benzo[a]pyrene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Benzo[b]fluoranthene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Benzo[k]fluoranthene	ND	mg/Kg	0.01	4/10/2009	4/10/2009

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: TRIHYDRO CORPORATION
Address: 1252 COMMERCE DRIVE
LARAMIE, WY 82070
Attn: MATTHEW JONES

Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Chrysene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Dibenz[a,h]anthracene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Fluoranthene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Fluorene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Indeno[1,2,3-cd]pyrene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Naphthalene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Phenanthrene	ND	mg/Kg	0.01	4/10/2009	4/10/2009
Pyrene	ND	mg/Kg	0.01	4/10/2009	4/10/2009

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: TRIHYDRO CORPORATION
Address: 1252 COMMERCE DRIVE
LARAMIE, WY 82070
Attn: MATTHEW JONES

Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report

Sample Number 090409011-001 **Sampling Date** 4/8/2009 **Date/Time Received** 4/9/2009 10:50 AM
Client Sample ID SK-01 **Sampling Time** 12:50 PM
Matrix Soil
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	4.42	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Barium	123	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Cadmium	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Chromium	17.6	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Lead	21.6	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Mercury-ICPMS	ND	mg/Kg	0.05	4/17/2009	ETL	EPA 6020A	
Selenium	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Silver	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
%moisture	10.3	Percent				%moisture	

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Client: TRIHYDRO CORPORATION
Address: 1252 COMMERCE DRIVE
LARAMIE, WY 82070
Attn: MATTHEW JONES

Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report

Sample Number 090409011-002 **Sampling Date** 4/8/2009 **Date/Time Received** 4/9/2009 10:50 AM
Client Sample ID SK-02 **Sampling Time** 1:00 PM
Matrix Soil
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	5.06	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Barium	75.8	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Cadmium	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Chromium	13.4	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Lead	13.5	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Mercury-ICPMS	ND	mg/Kg	0.05	4/17/2009	ETL	EPA 6020A	
Selenium	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Silver	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
%moisture	15.7	Percent				%moisture	

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Client: TRIHYDRO CORPORATION
Address: 1252 COMMERCE DRIVE
LARAMIE, WY 82070
Attn: MATTHEW JONES

Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report

Sample Number 090409011-003 **Sampling Date** 4/8/2009 **Date/Time Received** 4/9/2009 10:50 AM
Client Sample ID SK-03 **Sampling Time** 1:10 PM
Matrix Soil
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	5.48	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Barium	83.9	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Cadmium	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Chromium	13.9	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Lead	11.3	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Mercury-ICPMS	ND	mg/Kg	0.05	4/17/2009	ETL	EPA 6020A	
Selenium	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Silver	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
%moisture	11.4	Percent				%moisture	

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Client: TRIHYDRO CORPORATION
Address: 1252 COMMERCE DRIVE
LARAMIE, WY 82070
Attn: MATTHEW JONES

Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report

Sample Number	090409011-003	Sampling Date	4/8/2009	Date/Time Received	4/9/2009 10:50 AM
Client Sample ID	SK-03	Sampling Time	1:10 PM		
Matrix	Soil				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	5.48	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Barium	83.9	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Cadmium	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Chromium	13.9	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Lead	11.3	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Mercury-ICPMS	ND	mg/Kg	0.05	4/17/2009	ETL	EPA 6020A	
Selenium	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Silver	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
%moisture	11.4	Percent				%moisture	

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Client: TRIHYDRO CORPORATION
Address: 1252 COMMERCE DRIVE
LARAMIE, WY 82070
Attn: MATTHEW JONES

Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report

Sample Number 090409011-004 **Sampling Date** 4/8/2009 **Date/Time Received** 4/9/2009 10:50 AM
Client Sample ID SK-04 **Sampling Time** 1:20 PM
Matrix Soil
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	5.25	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Barium	80.5	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Cadmium	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Chromium	13.3	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Lead	10.9	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Mercury-ICPMS	ND	mg/Kg	0.05	4/17/2009	ETL	EPA 6020A	
Selenium	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
Silver	ND	mg/Kg	0.5	4/17/2009	ETL	EPA 6020A	
%moisture	10.2	Percent				%moisture	

Authorized Signature



MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

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Client: TRIHYDRO CORPORATION
Address: 1252 COMMERCE DRIVE
 LARAMIE, WY 82070
Attn: MATTHEW JONES

Batch #: 090409011
Project Name: SAFETY KLEEN - BOISE

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Silver	4.85	mg/kg	5	97.0	80-120	4/17/2009	4/17/2009
Selenium	4.92	mg/kg	5	98.4	80-120	4/17/2009	4/17/2009
MERCURY-ICPMS	0.275	mg/kg	0.25	110.0	80-120	4/17/2009	4/17/2009
Lead	4.89	mg/kg	5	97.8	80-120	4/17/2009	4/17/2009
Chromium	4.88	mg/kg	5	97.6	80-120	4/17/2009	4/17/2009
Cadmium	4.75	mg/kg	5	95.0	80-120	4/17/2009	4/17/2009
Barium	4.89	mg/kg	5	97.8	80-120	4/17/2009	4/17/2009
Arsenic	4.86	mg/kg	5	97.2	80-120	4/17/2009	4/17/2009

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
090410014-004A	Silver	ND	27.8	mg/kg	28.1	98.9	75-125	4/17/2009	4/17/2009
090410014-004A	Selenium	ND	28.1	mg/kg	28.1	100.0	75-125	4/17/2009	4/17/2009
090410014-004A	MERCURY-ICPMS	ND	1.33	mg/kg	1.407	94.5	75-125	4/17/2009	4/17/2009
090410014-004A	Lead	5.85	33.3	mg/kg	28.1	97.7	75-125	4/17/2009	4/17/2009
090410014-004A	Chromium	5.84	34.3	mg/kg	28.1	101.3	75-125	4/17/2009	4/17/2009
090410014-004A	Cadmium	0.248	28.2	mg/kg	28.1	99.5	75-125	4/17/2009	4/17/2009
090410014-004A	Barium	128	163	mg/kg	28.1	124.6	75-125	4/17/2009	4/17/2009
090410014-004A	Arsenic	4.26	33.6	mg/kg	28.1	104.4	75-125	4/17/2009	4/17/2009

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Silver	27.8	mg/kg	28.1	98.9	0.0	0-20	4/17/2009	4/17/2009
Selenium	28.2	mg/kg	28.1	100.4	0.4	0-20	4/17/2009	4/17/2009
MERCURY-ICPMS	1.39	mg/kg	1.407	98.8	4.4	0-20	4/17/2009	4/17/2009
Lead	33.4	mg/kg	28.1	98.0	0.3	0-20	4/17/2009	4/17/2009
Chromium	34.6	mg/kg	28.1	102.3	0.9	0-20	4/17/2009	4/17/2009
Cadmium	28.3	mg/kg	28.1	99.8	0.4	0-20	4/17/2009	4/17/2009
Barium	163	mg/kg	28.1	124.6	0.0	0-20	4/17/2009	4/17/2009
Arsenic	33.3	mg/kg	28.1	103.3	0.9	0-20	4/17/2009	4/17/2009

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
 Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1267

Customer Name: TRIHYDRO CORPORATION
1252 COMMERCE DRIVE
LARAMIE WY 82070

Order ID: 090409011
Order Date: 4/9/2009

Contact Name: MATTHEW JONES

Project Name: SAFETY KLEEN - BOISE

Comment:

Sample #: 090409011-003 Customer Sample #: SK-03

Recv'd: Collector: DAVID T Date Collected: 4/8/2009
Quantity: 2 Matrix: Soil Date Received: 4/9/2009 10:50:00 A
Comment:

Test	Test Group	Method	Due Date	Priority
%Moisture		%moisture	4/21/2009	<u>Normal (6-10 Days)</u>
PAH 8270 LOW		EPA 8270C	4/21/2009	<u>Normal (6-10 Days)</u>
Arsenic	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Barium	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Cadmium	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Chromium	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Lead	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Mercury-ICPMS	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Selenium	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Silver	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
TOTAL 8	TOTAL 8	N/A	4/21/2009	<u>Normal (6-10 Days)</u>

Sample #: 090409011-004 Customer Sample #: SK-04

Recv'd: Collector: DAVID T Date Collected: 4/8/2009
Quantity: 2 Matrix: Soil Date Received: 4/9/2009 10:50:00 A
Comment:

Test	Test Group	Method	Due Date	Priority
%Moisture		%moisture	4/21/2009	<u>Normal (6-10 Days)</u>
PAH 8270 LOW		EPA 8270C	4/21/2009	<u>Normal (6-10 Days)</u>
Arsenic	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Barium	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Cadmium	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Chromium	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Lead	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Mercury-ICPMS	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Selenium	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
Silver	Total 8	EPA 6020A	4/21/2009	<u>Normal (6-10 Days)</u>
TOTAL 8	TOTAL 8	N/A	4/21/2009	<u>Normal (6-10 Days)</u>

Customer Name: TRIHYDRO CORPORATION
1252 COMMERCE DRIVE
LARAMIE WY 82070

Order ID: 090409011
Order Date: 4/9/2009

Contact Name: MATTHEW JONES

Project Name: SAFETY KLEEN - BOISE

Comment:

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature inside the cooler?	1.1
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	Yes
Are VOC samples free of headspace?	N/A
Is there a trip blank to accompany VOC samples?	N/A
Labels and chain agree?	Yes



Chain of Custody Record

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246
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90409 011 **TRIH** Last Due 4/21/2009
 An Logst SAMP 4/8/2009 1st RCVD 4/9/2009
SAFETY KLEEN - BOISE

Company Name: Trihydro Corp. Project Manager: Matt Jones
 Address: 1252 Commerce Dr. Project Name & #: Safety Kleen - Boise
 City: Laramie State: WY Zip: 82070 Email Address: _____
 Phone: 307-745-7474 Purchase Order #: _____
 Fax: 307-745-8412 Sampler Name & phone: David Thurgood 208-895-0326

Please refer to our normal turn around times at
<http://www.anateklabs.com/services/guidelines/reporting.asp>

Normal _____ Phone _____
 Next Day* _____ Mail _____
 2nd Day* _____ requests must be prior approved. Fax _____
 Other* _____ Email _____

Provide Sample Description				List Analyses Requested								Note Special Instructions/Comments	
Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative:									
				# of Containers	Sample Volume	PAH	RCRA8						
01	SK-01	4-8-09 12:50PM	Solid			X							Chilled with Ice MURS
	SK-01	4-8-09 12:50PM	Solid				X						
02	SK-02	4-8-09 1:00PM	Solid			X							
	SK-02	4-8-09 1:00PM	Solid				X						
03	SK-03	4-8-09 1:10PM	Solid			X							
	SK-03	4-8-09 1:10PM	Solid				X						
04	SK-04	4-8-09 1:20PM	Solid			X							
	SK-04	4-8-09 1:20PM	Solid				X						

Inspection Checklist

Received intact?	<input checked="" type="radio"/> Y	<input type="radio"/> N
Labels & Chains Agree?	<input checked="" type="radio"/> Y	<input type="radio"/> N
Containers Sealed?	<input checked="" type="radio"/> Y	<input type="radio"/> N
VOC Head Space?	<input type="radio"/> Y	<input type="radio"/> N

	Printed Name	Signature	Company	Date	Time
Relinquished by	David Thurgood	<i>David Thurgood</i>	EMS	4-8-09	2:10PM
Received by	Josh Doh	<i>Josh Doh</i>	Analzt	4/9/09	1050
Relinquished by					
Received by					
Relinquished by					
Received by					

Temperature (°C): 11
 Preservative: DIA
 Date & Time: _____
 Inspected By: _____