Results of Hydraulic Lift Removal

1970 Seminary Avenue
Oakland, California
(EKI A10034.00)

21 September 2001

Prepared for:

The Grimit Family Trust

Erler & Kalinowski, Inc.
Consulting Engineers and Scientists
1870 Ogden Drive
Burlingame, California 94010-5306
(650) 292-9100
Fax: (650) 552-9012

Erler & Kalinowski, Inc.
Consulting Engineers and Scientists
1870 Ogden Drive
Burlingame, CA 94010
(650) 292-9100
Fax: (650) 552-9012

LETTER OF TRANSMITTAL

TO: Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577
(510) 567-6700

DATE: 21 September 2001
PROJ. NO. A10034.00

SUBJECT: 1970 Seminary Ave.
Oakland, CA

WE ARE SENDING YOU THE FOLLOWING: (via Federal Express)

One copy of *Results of Hydraulic Lift Removal, 1970 Seminary Avenue, Oakland, California*, prepared by EKI, dated 21 September 2001

COPY TO:

Grimit Family Trust (one copy)
c/o Angel LaMarca
945 S. Lehigh Dr.
Anaheim Hills, CA 92807
714-282-7475

Very truly yours,
ERLER & KALINOWSKI, INC.

Paul B. Hoffey, REA II
Project Manager

If enclosures are not as noted, please advise us at once at (650) 292-9100

Erler & Kalinowski, Inc.
Consulting Engineers and Scientists
1870 Ogden Drive
Burlingame, CA 94010
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21 September 2001

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Results of Hydraulic Lift Removal;
1970 Seminary Avenue, Oakland, California
(EKI A10034.00)

Dear Ms. Chu:

On behalf of our client, the Grimit Family Trust, Erler & Kalinowski, Inc. ("EKI") is pleased to submit to the Alameda County Heath Care Services Agency ("Alameda County") the enclosed report entitled *Results of Hydraulic Lift Removal, 1970 Seminary Avenue, Oakland, California,* prepared by EKI, dated 21 September 2001. This work was performed in accordance with our Work Plan, dated 24 May 2001, and your Work Plan approval letter dated 26 May 2001.

The enclosed report describes the removal of the hydraulic lift and impacted soil, presents the analytical results of confirmation soil samples, and documents the off-site disposal of excavated soil stockpiles.

Please call us with any questions or comments.

Very truly yours,

ERLER & KALINOWSKI, INC.

Paul B. Hoffey, REA II
Project Manager

for
Theodore G. Erler, P.E.
Project Coordinator

enclosure

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1. INTRODUCTION

Erler & Kalinowski, Inc. ("EKI"), on behalf of its client, The Grimit Family Trust, has prepared this report that presents the results of the removal of a hydraulic lift and impacted soil at a former gasoline service station site located at 1970 Seminary Avenue in Oakland, California (the "Site"; see Figure 1). The Site is currently being used as an automobile repair shop and is occupied by several small buildings.

Prior investigations by others have indicated that soil and groundwater on the Site are impacted by total petroleum hydrocarbons ("TPH") and volatile organic compounds ("VOCs"). A suspected source for the TPH and VOCs in groundwater was an unused hydraulic lift on the Site. This report describes the removal of the hydraulic lift and impacted soil, the analytical results for excavation confirmation soil samples, and documents the off-site disposal of the excavation stockpiles.

This work was performed in accordance with the Work Plan prepared by EKI entitled *Removal Action Work Plan, 1970 Seminary Avenue, Oakland, California*, dated 24 May 2001. This Work Plan was approved by the Alameda County Health Agency ("the County") in a letter dated 26 May 2001. A copy of this letter is included in Appendix A.

A summary of prior soil and groundwater investigations at the Site is presented in Section 2, below.

2. SUMMARY OF PRIOR SITE INVESTIGATIONS

Information pertaining to prior site investigations was obtained from various technical reports prepared by Hoexter Consulting, Inc., and are on file at the County. The following is a brief summary of the prior investigations at the Site. Tables and figures presenting the analytical results for soil and groundwater samples collected during prior Site investigations are included in Appendix B of this report.

In 1989, four underground storage tanks ("USTs") (three 550-gallon gasoline tanks and one 550-gallon waste oil tank) were removed from the Site with oversight by the County (see Figure 2 for locations of former USTs). Low concentrations of petroleum hydrocarbons as gasoline ("TPHg") and benzene, toluene, ethyl benzene, and total xylenes ("BTEX") were found in confirmation soil samples from the gasoline tanks excavation. Elevated concentrations of oil and grease ("O&G") were detected in soil samples from the waste oil tank excavation. In May 1991, soil at the location of the former waste oil UST was overexcavated. Elevated concentrations of oil and grease were detected in confirmation soil samples from the waste oil UST excavation (see Table 1 in Appendix B).

In 1990, Kaldveer advanced three boreholes on the Site; one within the backfill of the former gasoline USTs (EB-1), and two in the vicinity of the former waste oil UST (EB-2 and EB-3). Low concentrations of TPHg were detected in soil in borehole EB-1.

Elevated concentrations of O&G were detected in soil samples from the 10-foot depth in boreholes EB-2 and EB-3 (see Table 1 in Appendix B).

MW-1 was sampled three times in 1992 by Hoexter Consulting. Elevated concentrations of TPHg, BTEX, and O&G were detected in groundwater in MW-1 during each of the three sample events (see Table 2 and Figure 2 in Appendix B)

In 1994, Hoexter installed two additional groundwater monitoring wells on the Site (MW-2 and MW-3; see Figure 2 in Appendix B). Low concentrations of TPHg and BTEX were detected in groundwater samples from wells MW-2 and MW-3. O&G was detected only once in well MW-2 during three sampling events in 1994.

The three monitoring wells were sampled by Hoexter Consulting twice in 1995, with analytical results fairly consistent with prior sample results.

In March 1996, four soil borings (EB-4, EB-5, EB-6, and EB-7) were advanced on the Site. During the same month, wells MW-4, MW-5, and MW-6 were installed (see Figure 2 in Appendix B). In 1997, wells MW-7, MW-8 and MW-9 were installed (see Figure 2 in Appendix B). The analytical results of soil and groundwater samples from the boreholes and monitoring wells are shown in Tables 1 and 2 in Appendix B.

All wells on the Site have been sampled generally on a semi-annual basis by Hoexter Consulting since 1997. These results are shown on Table 2 in Appendix B.

3. RESULTS OF HYDRAULIC LIFT AND SOIL REMOVAL

3.1. Utility Clearance

Prior to initiating excavation activities, the hydraulic lift area was surveyed for the presence of buried utilities. On 10 July 2001, Subdynamic Locating Services of San Jose, California, performed a utility survey of hydraulic lift area. In addition, EKI contacted Underground Services Alert ("USA") to coordinate utility surveys at the proposed removal location. Buried utilities were not identified in the proposed digging area.

3.2. Removal of Concrete Pavement Surface

The concrete pavement surface in the hydraulic lift area was sawcut and removed prior to excavation activities. The concrete measured approximately four inches in thickness. The concrete was observed to be relatively free of oily staining. The waste concrete was removed off-site by a concrete company for recycling.

3.3. Removal of Hydraulic Lift and Impacted Soil

On 12 and 13 July 2001, Cornerstone Environmental Contractors, Inc. ("Cornerstone"), on behalf of the Grimit Family Trust, performed the removal of the hydraulic lift and impacted soil beneath the lift.

Following removal of the concrete pavement surface, Cornerstone excavated soil around the hydraulic lift. A small area of soil near the top of the lift appeared to be impacted by oil. This oily soil was limited to the upper six inches around the top of the lift. After exposing the upper three to four feet of the lift, the lift was removed from the excavation. No hydraulic fluids were noted in the self-contained reservoir within the lift unit. The lift was placed on plastic sheeting and visually inspected by EKI.

The lift was approximately 1.5 feet in diameter and measured approximately 7.5 feet in length. One small rust hole was observed approximately 1.5 up from the bottom of the lift unit. No other holes were observed on the lift. Following the visual inspection of the hydraulic lift by EKI, the lift was wrapped in heavy plastic and secured with duct tape.

Cornerstone continued excavating soil to below the bottom of the lift. Cornerstone removed a cylindrical-shaped block of concrete at approximately the 7-foot depth. This concrete apparently was the base for the former lift. At approximately the 7.5-foot depth, and just below the location of the concrete block, EKI observed a sandy, gravelly soil with a dark gray color that emitted a hydrocarbon odor. After additional soil removal, EKI observed that the apparently impacted soil was limited to approximately the eastern one-half of the excavation area.

A layer of visibly impacted soil was noted from approximately the 7.5-foot to 9-foot depths in all four walls of the excavation. The visibly impacted soil was less noticeable in the northwest wall of the excavation. Cornerstone removed as much of the visibly impacted soil to the extent practical, given the proximity of the buildings and monitoring well MW-7 located just beyond the northeast wall of the excavation.

A clay layer was encountered in the excavation at approximately the 9-foot depth. The impacted soil did not appear to extend below this clay layer. EKI collected a bottom soil sample from approximately the 9.5-foot depth at a point below the former lift (described in Section 3.4, below). This soil sample did not exhibit visible signs of impact (i.e., no discoloration or petroleum odor).

The final dimensions of the excavation measured approximately 10.5 feet by 7.5 feet, by approximately 10 feet in depth. No groundwater was observed in the excavation. A total of approximately 27 cubic yards of soil were removed from the excavation and placed plastic sheeting on site for subsequent profiling and off-site disposal (discussed below).

3.4. Collection of Confirmation Soil Samples

On 13 July 2001, following completion of excavation activities, EKI collected soil samples from the four walls of the excavation, as well as a soil sample from the bottom of the excavation in an area directly beneath the former lift. The sidewall samples were collected from depths of approximately 8 to 9 feet bgs. The bottom sample was collected from a depth of approximately 9.5 feet bgs and directly beneath the former lift. The confirmation sampling was observed by Ms. Eva Chu with the County. The approximate locations of the confirmation samples are shown on Figure 2.

The soil samples were collected from the backhoe bucket using pre-cleaned stainless steel liners. The ends of each sample liner were covered with Teflon sheets and capped with plastic end caps. A sample label that included a unique sample identification number, the sample depth, time, and date when the sample was collected, was then attached to each liner. The soil samples were placed in sealable plastic bags and placed into an ice chest for temporary storage prior to delivery to the laboratory. Chain-of-custody forms were initiated in the field and were included with the samples.

3.5. Collection of Soil Stockpile Samples and Analytical Results

Soil removed from the excavation was placed into two distinct stockpiles, each on heavy plastic sheeting. One stockpile (SP-EAST) was comprised of soil obtained primarily from the surface to approximately the 7-foot depth. This soil appeared to be relatively free of petroleum impact. The second stockpile (SP-WEST) was comprised of soil obtained from approximately the 7 to 10-foot depths, and was visibly stained.

Four discrete soil samples were collected from each stockpile. The discrete samples from each stockpile were composited into one composite sample representing each stockpile. The analytical results for the stockpile composite samples are presented in Section 3.8, below.

3.6. Backfill of Excavation

Following completion of confirmation soil sampling, the excavation was backfilled with clean, imported engineered fill material. The backfilling of the excavation was performed in 1-foot lifts and compacted in between lift placements using a roller attached to the backhoe arm. Following completion of backfilling, the excavation area was re-surfaced with concrete to match the surrounding area.

3.7. Analytical Results for Confirmation Soil Samples

The four sidewall samples and one bottom soil sample were each analyzed for the following chemical constituents.

- Total petroleum hydrocarbons as gasoline, diesel fuel, hydraulic oil, and motor oil using EPA Method 8015M (with silica gel cleanup);

- Volatile organic compounds using EPA Method 8260; and
- LUFT metals (Cd, Cr, Pb, Ni and Zn) using EPA Method 6010

The analytical results are presented in Tables 1 and 2, and are shown on Figure 2. Copies of the analytical data reports provided by STL Chromalab are provided in Appendix C.

3.7.1. Total Petroleum Hydrocarbons ("TPH")

The confirmation sidewall samples were reported to contain concentration of petroleum hydrocarbons quantified by the analytical laboratory in the gasoline, diesel, and motor oil ranges. The laboratory reported that the hydrocarbon pattern noted on the sample chromatograms did not match the gasoline or diesel standards. The petroleum hydrocarbons detected in the confirmation samples appear to be motor oil, based on information provided by the laboratory and review of the sample chromatograms by EKI. According to the analytical laboratory, the confirmation soil samples did not contain TPH as hydraulic oil.

Concentrations of TPH as motor oil remaining in the sidewalls of the excavation range from 310 milligrams per kilogram ("mg/kg") to 3,300 mg/kg. The bottom excavation soil sample collected from approximately the 9.5-foot depth was reported by the laboratory not to contain detectable concentrations of motor oil.

3.7.2. Volatile Organic Compounds ("VOCs")

The confirmation sidewall samples contained low concentrations of benzene, ethylbenzene, total xylenes, and naphthalene, as well as associated breakdown products, including 1,2,4- and 1,3,5-trimethylbenzene (see Table 1). Benzene was detected in only one confirmation sidewall sample (NE 8.5) at a concentration of 2.4 mg/kg. Naphthalene was detected at a concentration up to 5.3 mg/kg. Trimethylbenzene was detected up to 6.4 mg/kg. According to the analytical laboratory, these aromatic compounds are not a typical constituent of motor oil, but may indicate that a degreasing agent or other cleaner (i.e., mineral spirits) may have been released to the soil with the motor oil. No chlorinated solvents were detected in any of the excavation confirmation soil samples.

The bottom excavation sample did not contain detectable concentrations of VOCs.

3.7.3. LUFT Metals

The analytical results for the confirmation soil samples for metals are included in Table 2. According to the analytical results, the concentrations of metals in the confirmation samples are consistent with typical background concentrations of metals in Bay Area soils. No release of heavy metals is suspected, based on the analytical results.

3.8. Analytical Results for Soil Stockpile Samples

The composite stockpile soil samples (SP-EAST and SP-WEST) were analyzed for the following chemical compounds:

- Total extractable petroleum hydrocarbons ("TEPH") using EPA Method 8015M (with silica gel cleanup);
- Volatile organic compounds using EPA Method 8260; and
- Polychlorinated biphenyls ("PCBs") using EPA Method 8082

The analytical results for the stockpile samples are included in Table 1 and Appendix C. According to the analytical results, the stockpile samples contained concentrations of TPH at 240 mg/kg and 73 mg/kg. The stockpile samples contained low concentrations of aromatic compounds, consistent with the results of the confirmation soil samples described above. Neither stockpile soil sample contained concentrations of PCBs above the method detection limit of 0.05 mg/kg.

3.9. Off-site Disposal of Soil Stockpiles

On 27 August 2001, the soil stockpiles (approximately 35 tons) were removed from the Site and transported to the Forward, Inc. disposal facility in Manteca, California. Copies of the transportation manifests are included in Appendix D.

4. CONCLUSIONS

Based on the information presented above, the following conclusions are made:

- A formerly used hydraulic lift on the subject property apparently released motor oil and petroleum-related aromatic compounds to subsurface soil. Concentrations of motor oil remaining in soil at approximately the 8 to 9-foot depth following soil excavation and removal activities range from 310 mg/kg to 3,300 mg/kg. The concentrations of aromatic compounds remaining in soil at this depth are generally less than several milligrams per kilogram.

- The area of soil impact in the vicinity of the former lift appears to be limited vertically to a zone between approximately 7.5 feet and 9 feet below the pavement surface. The bottom excavation soil sample, collected from a point 1.5 feet below and directly under the base of the former lift, did not contain elevated concentrations of motor oil or aromatic compounds.

- Given the relatively low concentrations of motor oil detected in excavation confirmation soil samples, the hydraulic lift release does not appear to be a significant source, if any, to hydrocarbons detected in groundwater on the Site.

- Given that halogenated VOCs were not detected in excavation confirmation soil samples or stockpile soil samples, the release from the hydraulic lift does not appear to be a source for the halogenated VOCs detected in groundwater on the Site.

TABLE 1

ANALYTICAL RESULTS FOR EXCAVATION AND STOCKPILE SOIL SAMPLES

1970 Seminary Avenue, Oakland, California
EKI A10034.00

September 2001

Sample ID	Sample Depth (ft bgs)	ANALYTICAL RESULTS IN MG/KG															
		Petroleum Hydrocarbons				Aromatic Compounds											
		Gasoline	Diesel	Motor Oil	Hydraulic Oil	Benzene	Ethyl benzene	Naphthalene	T. Xylenes	Isopropyl benzene	1,2,4-TMB	1,3,5-TMB	n-Butyl benzene	n-Propyl benzene	p-Isopropyl toluene	sec-Butyl benzene	PCBs
NW 8.5	8.5	**82**(1)	**160**(2)	**490**	<250	<0.25	**0.79**	**0.51**	**0.53**	**0.35**	**1.2**	**0.66**	**0.85**	**1.5**	<0.25	**0.31**	*na*
NE 8.5	8.5	**110**(1)	**74**(2)	**310**	<250	[redacted]4	<0.25	**1.4**	**3**	**0.32**	**6.8**	**2**	**1.3**	**1.4**	<0.25	<0.25	na
SW 8.0	8	**47**(1)	**200**(2)	**790**	<500	<0.25	<0.25	<0.5	<0.5	<0.25	**0.34**	**0.36**	**0.37**	**0.46**	<0.25	<0.25	na
SE 9.0	9	**490**(1)	**1,100**(2)	**3,300**	<2,500	<0.5	**2.4**	**5.3**	**4.4**	**2.5**	**6.4**	**4.1**	<0.5	**10**	**0.52**	**1.8**	na
BOTTOM 9.5	9.5	<1	**2.1**(2)	<50	<50	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	na
SP-WEST	na	na	**240**(2)	na	na	<0.12	**0.055**	**0.17**	**0.14**	**0.023**	**0.31**	**0.099**	**0.047**	**0.095**	<0.012	**0.033**	<0.05
SP-EAST	na	na	**73**(2)	na	na	<0.005	**0.0092**	<0.01	**0.021**	**0.0058**	**0.065**	**0.024**	**0.01**	**0.02**	<0.005	**0.0087**	<0.05

Notes:

(1) Analytical laboratory indicates that chromatogram pattern does not match gasoline standard
(2) Analytical laboratory indicates that chromatogram pattern does not match diesel standard
Petroleum hydrocarbons using US EPA Method 8015m
Aromatic Compounds by US EPA Method 8260B
PCBs (polychlorinated biphenyls) using US EPA Method 8082
1,2,4-TMB = 1,2,4-trimethylbenzene
1,3,5-TMB = 1,3,5-trimethylbenzene

mg/kg = milligrams per kilogram
ft bgs = feet below ground surface
na = not analyzed/not applicable
Samples SP-WEST and SP-EAST are stockpile soil samples.

Samples collected by EKI on 13 July 2001
Samples analyzed by STL ChromaLab in Pleasanton, California

What are RBSLs for Trimethyl benzene? Not listed in Oakland RWQCB's RBSLs

TABLE 2

METALS ANALYTICAL RESULTS FOR EXCAVATION SOIL SAMPLES

1970 Seminary Avenue, Oakland, California
EKI A10034.00

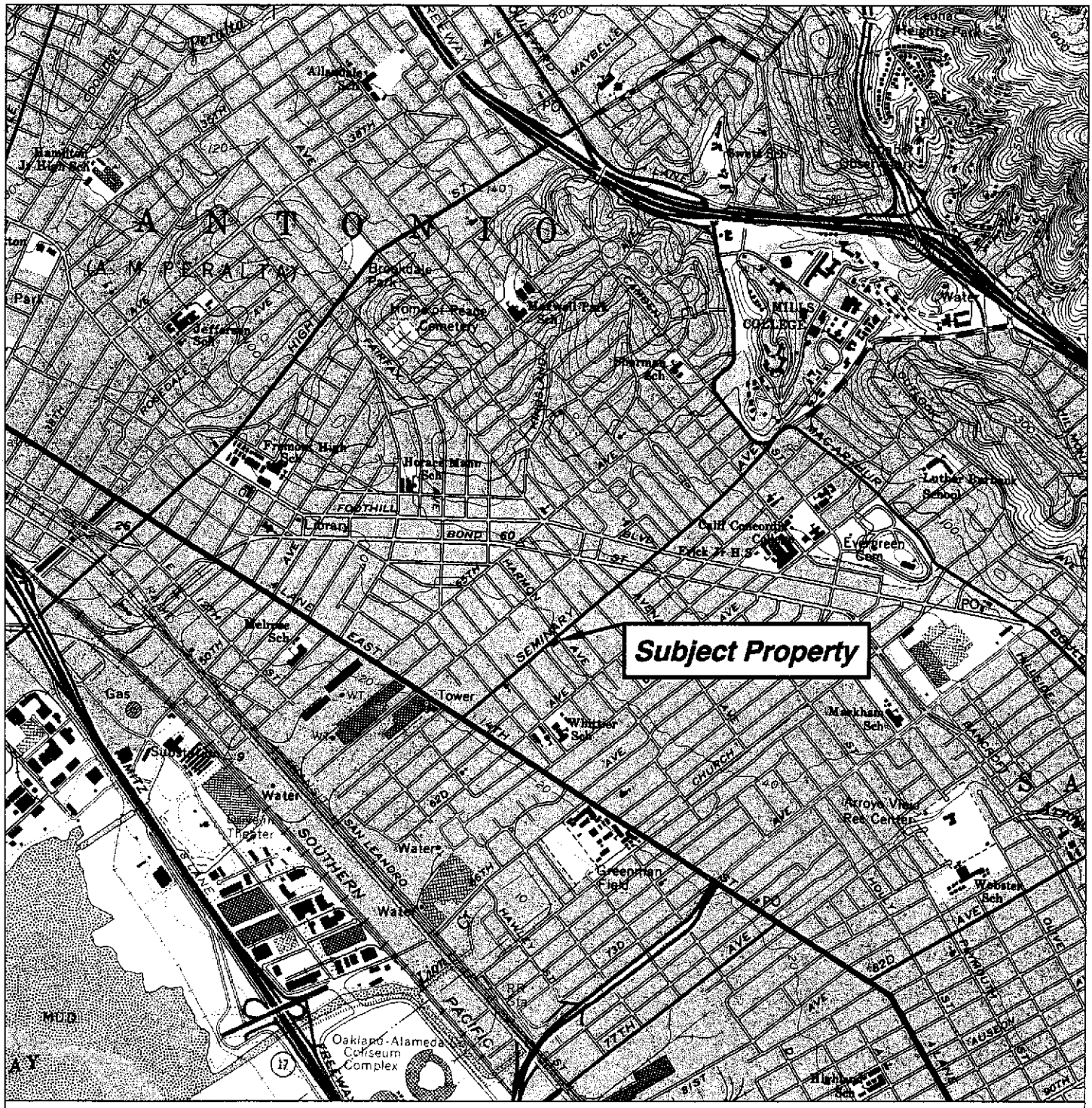
September 2001

Sample ID	Sample Depth (ft bgs)	Analytical Results in mg/kg				
		Cadmium	Chromium	Lead	Nickel	Zinc
NW 8.5	8.5	<0.5	27	4.9	46	51
NE 8.5	8.5	<0.5	34	5.3	58	38
SW 8.0	8	<0.5	25	5.3	57	47
SE 9.0	9	0.55	46	13	99	64
BOTTOM 9.5	9.5	<0.5	31	3.1	47	22
SP-WEST	na	na	na	na	na	na
SP-EAST	na	na	na	na	na	na

Notes:

Samples analyzed using US EPA Method 6010B
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface
na = not analyzed/not applicable
Samples SP-WEST and SP-EAST are stockpile soil samples.

Samples collected by EKI on 13 July 2001
Samples analyzed by STL ChromaLab in Pleasanton, California



Reference: U.S.G.S. 7.5 Minute Series Topographic Map, Oakland East, California.

Note:

1. All locations are approximate.

(Approximate Scale in Feet)

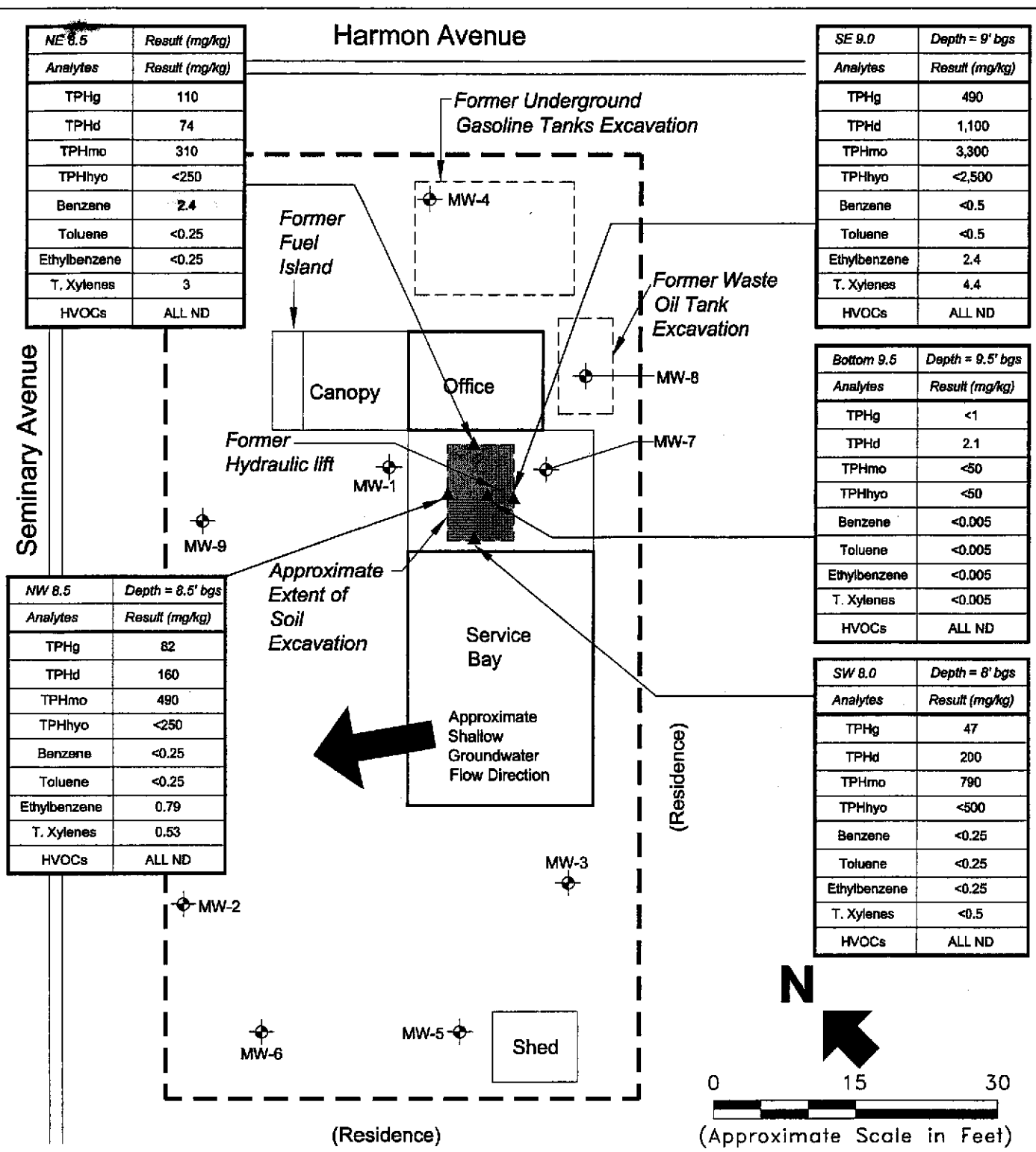
Erler & Kalinowski, Inc.

Site Location

1970 Seminary Avenue
Oakland, CA
August 2001
EKI A10034.00

Figure 1

2001-08-07 11:10:16



NE 8.5	Result (mg/kg)
Analytes	Result (mg/kg)
TPHg	110
TPHd	74
TPHmo	310
TPHhyo	<250
Benzene	2.4
Toluene	<0.25
Ethylbenzene	<0.25
T. Xylenes	3
HVOCs	ALL ND

SE 9.0	Depth = 9' bgs
Analytes	Result (mg/kg)
TPHg	490
TPHd	1,100
TPHmo	3,300
TPHhyo	<2,500
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	2.4
T. Xylenes	4.4
HVOCs	ALL ND

Bottom 9.5	Depth = 9.5' bgs
Analytes	Result (mg/kg)
TPHg	<1
TPHd	2.1
TPHmo	<50
TPHhyo	<50
Benzene	<0.005
Toluene	<0.005
Ethylbenzene	<0.005
T. Xylenes	<0.005
HVOCs	ALL ND

NW 8.5	Depth = 8.5' bgs
Analytes	Result (mg/kg)
TPHg	82
TPHd	160
TPHmo	490
TPHhyo	<250
Benzene	<0.25
Toluene	<0.25
Ethylbenzene	0.79
T. Xylenes	0.53
HVOCs	ALL ND

SW 8.0	Depth = 8' bgs
Analytes	Result (mg/kg)
TPHg	47
TPHd	200
TPHmo	790
TPHhyo	<500
Benzene	<0.25
Toluene	<0.25
Ethylbenzene	<0.25
T. Xylenes	<0.5
HVOCs	ALL ND

LEGEND:

- Approximate boundary of Subject Property
- Approximate Location of Monitoring Well
- ▲ Confirmation Soil Sample Location (Collected by EKI July 2001)

Notes:

1. All locations are approximate.
2. Basemap Source: Hoexter Consulting, Inc. (Nov. 2000).

Erler & Kalinowski, Inc.

Analytical Results for Excavation Confirmation Soil Samples

1970 Seminary Avenue
Oakland, CA
September 2001
EKI A10034.00

Figure 2

2001-09-19 15:32:20

APPENDIX A

COPY OF ALAMEDA COUNTY WORK PLAN APPROVAL LETTER DATED 26 MAY 2001

1970 Seminary Avenue
Oakland, California

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

COPY

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

RO0000413

RECEIVED
MAY 31 2001
ERLER & KALINOWSKI, INC.

May 25, 2001

Mr. Paul Hoffey
Erler & Kalinowski,Inc
1870 Ogden Drive
Burlingame, CA 94010

RE: Workplan Approval for 170 Seminary Avenue, Oakland, CA

Dear Mr. Hoffey:

I have completed review of Erler & Kalinowski, Inc.'s May 2001 *Removal Action Work Plan* prepared for the above referenced site. The proposal to remove the hydraulic lift and collect confirmation soil samples is acceptable. If visibly impacted soil is encountered, the impacted soil will be removed to the extent practical. And if groundwater is encountered, a grab groundwater sample will be collected for laboratory analysis. Soil and groundwater samples will be analyzed for TPH as gasoline, diesel, hydraulic oil, and motor oil, as well as VOCs and LUFT metals.

Please provide 72 hours advance notice of field activities. I need to be present when soil and groundwater samples are collected. If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

c: Angel LaMarca, 945 S. Lehigh Drive, Anaheim Hills, CA 92807
Doyle Grimit, 14366 Lark Street, San Leandro, CA 94578

grimit-5

APPENDIX B

ANALYTICAL DATA FROM PRIOR SAMPLING EVENTS

1970 Seminary Avenue
Oakland, California

TABLE 1

ANALYTICAL RESULTS FOR SOIL SAMPLES
COLLECTED IN FORMER UNDERGROUND STORAGE TANK LOCATIONS

1970 Seminary Avenue, Oakland, CA

EKI A10034.00

May 2001

Sample Location/ Sample ID	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Xylenes	Oil & Grease	Motor Oil	HVOCs
Former Gasoline Underground Storage Tanks								
Excavation Confirmation Sampling (Nov. 1989)								
South Tank 1	22	nd	nd	nd	nd	-	-	-
South Tank 2	nd	nd	nd	nd	nd	-	-	-
Center Tank	20	nd	nd	nd	nd	-	-	-
North Tank 1	nd	0.068	nd	nd	nd	-	-	-
North Tank 2	21	2.4	2.9	0.32	1.7	-	-	-
Soil Boring (August 1990)								
EB-1 (16 ft bgs)	4	-	-	-	-	-	-	-
EB-1 (21 ft bgs)	0.5	-	-	-	-	-	-	-
EB-1 (26 ft bgs)	50	-	-	-	-	-	-	-
Monitoring Well (March 1996)								
MW-4 (16.5 ft bgs)	13	0.038	0.015	nd	0.023	-	-	-
MW-4 (31.5 ft bgs)	68	0.21	0.092	0.15	0.39	190	-	-
MW-4 (36.5 ft bgs)	5.4	nd	0.008	0.015	0.011	-	-	-
Former Underground Waste Oil Tank								
Initial Excavation (Nov. 1989)								
1	-	0.093	0.51	0.48	1.7	5500	760	nd
2	-	0.16	0.4	0.81	2.4	7200	460	nd
Overexcavation (May 1991)								
1 (south side)	190	nd	nd	0.58	1.3	15,000	2,700	-
2 (west side)	nd	nd	nd	nd	nd	1,200	61	-
3 (east side)	4.4	nd	nd	0.0083	0.021	11,000	4,400	-
4 (north side)	12	0.0042	nd	0.0091	0.021	410	250	-
5 (west floor)	270	nd	3.5	1.3	nd	5,500	670	-
6 (east floor)	260	nd	nd	1.2	2.5	3,500	680	-
Soil Borings (Aug. 1990)								
EB-2 (10 ft bgs)	-	-	-	-	-	4,200	-	-
EB-2 (16 ft bgs)	-	-	-	-	-	nd	-	-
EB-3 (10 ft bgs)	-	-	-	-	-	2,800	-	-
EB-3 (16 ft bgs)	-	-	-	-	-	150	-	-

Notes:

All results in milligrams per kilogram ("mg/kg")

Soil sampling data obtained from *Preliminary Evaluation of Remedial Action Alternative for Former Grimit Auto and Repair Site STID #553, 1970 Seminary Avenue, Oakland, California*, prepared by Hoexter Consulting, Inc., dated 28 July 1996.

ft bgs = feet below ground surface

- = not analyzed

nd = not detected above analytical method reporting limits.

TABLE 2

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

1970 Seminary Avenue, Oakland, CA

EKI A10034.00
May 2001

Date Sampled	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	Oil & Grease	CA	1,2-DCB	1,2-DCA	cis 1,2-DCE	trans 1,2-DCE	1,2-DCP	PCE	TCE	VCL
MW-1																
8/6/90	54,000	-	3,500	3,200	1,900	9,400	7,600	-	-	-	-	-	-	-	-	-
1/28/92	2,000,000	-	7,400	17,000	28,000	120,000	7,500	-	-	-	-	-	-	-	-	-
4/27/92	500,000	-	3,400	6,400	10,000	45,000	440,000	-	-	-	-	-	-	-	-	-
4/24/92	175,000	-	4,200	4,400	3,200	14,600	-	-	-	-	-	-	-	-	-	-
8/10/92	170,000	-	4,200	4,200	3,300	15,900	120,000	-	-	-	-	-	-	-	-	-
2/11/94	1,800,000	-	nd	5,100	5,200	23,900	16,000	-	-	-	-	-	-	-	-	-
9/9/94	23,000,000	-	56,000	61,000	9,100	137,000	880,000	-	-	-	-	-	-	-	-	-
12/28/94	55,000	-	3,700	5,300	1,400	5,800	83,000	-	-	-	-	-	-	-	-	-
4/13/95	45,000	-	2,800	3,400	1,200	5,100	50,000	-	-	-	-	-	-	-	-	-
11/1/95	44,000	-	2,600	3,400	1,400	5,900	52,000	-	-	-	-	-	-	-	-	-
3/25/96	45,000	-	3,000	4,100	1,600	6,800	46,000	<5	7.2	5.3	82	<5	<5	<5	7.8	25
10/8/96	55,000	490	3,300	4,500	1,700	7,100	11,000	<20	<20	<20	45	<20	<20	<20	<20	26
1/16/97	48,000	310	2,600	3,200	1,300	5,300	110,000	-	-	-	-	-	-	-	-	-
6/23/97	40,000	<100	2,300	3,500	1,500	6,300	190,000	<2	10	4.1	130	3.7	<2	5	23	54
10/7/97	45,000	<680	2,500	3,600	1,700	6,800	150,000	3.5	7.4	2.2	82	3.8	<2	<3	9.5	68
12/12/98	39,000	<1,500	3,000	100	1,400	5,800	67,000	<2.5	7.4	<2.5	26	<2.5	<2.5	<2.7	<2.5	7.3
4/24/99	33,000	<200	2,300	3,300	1,100	4,100	140,000	2.1	9.9	3.5	61	2.8	2	<1.2	<1.5	22
4/24/99	41,000	1,100	2,500	3,700	1,500	5,700	-	-	-	-	-	-	-	-	-	-
12/18/99	43,000	<200	2,600	3,800	1,400	5,800	110,000	3.3	8	1.2	12	2.8	1.2	<0.5	<0.5	7.2
7/22/00	37,000	<200	2,200	2,600	1,300	5,200	320,000	<2.5	16	<2.5	15	<2.5	<2.5	<5.0	<2.5	8.2
1/29/01	36,000	<200	2,100	2,300	1,200	4,500	76,000	nd	23	nd	23	nd	nd	nd	nd	<10

TABLE 1 (cont.)

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

1970 Seminary Avenue, Oakland, CA

EKI A10034.00

May 2001

Date Sampled	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	Oil & Grease	CA	1,2-DCB	1,2-DCA	cis 1,2-DCE	trans 1,2-DCE	1,2-DCP	PCE	TCE	VCL
MW-2																
2/11/94	130	-	22	1.1	5.2	7.3	nd	-	-	-	-	-	-	-	-	-
9/9/94	1,000	-	89	nd	nd	6.9	nd	-	-	-	-	-	-	-	-	-
12/28/94	330	-	100	3.8	5.4	4.7	5100	-	-	-	-	-	-	-	-	-
4/13/95	1,300	-	280	6.9	33	23	nd	-	-	-	-	-	-	-	-	-
11/1/95	100	-	9.9	nd	nd	nd	nd	-	-	-	-	-	-	-	-	-
3/25/96	4,500	-	470	57	220	280	nd	<0.5	<0.5	8.7	11	<0.5	1	<0.5	3.2	0.92
10/8/96	710	41	1.9	0.54	1	1	nd	<0.5	<0.5	15	9.6	<0.5	1.1	<0.5	6.6	<0.5
1/16/97	330	12	41	2.4	1.3	9.9	nd	-	-	-	-	-	-	-	-	-
6/23/97	280	10	12	0.69	nd	13	-	<0.5	<0.5	9.7	8	<0.5	0.86	<0.5	9.6	<0.5
10/7/97	320	<35	4.5	nd	nd	nd	-	<0.5	<0.5	18	11	<0.5	1.2	<0.5	15	<0.5
12/12/98	290	<11	21	0.76	10	19	nd	<0.5	<0.5	16	9.4	<0.5	1.1	<1	7.5	<0.5
4/24/99	360	21	36	1.3	9.2	19	<5000	<0.5	<0.5	13	7.8	<0.5	0.92	<0.5	8.4	<0.5
12/18/99	210	<200	13	nd	2.9	7.7	<5000	<0.5	<0.5	15	9	<0.5	1.5	<0.5	<0.5	<0.5
7/22/00	180	<5	10	nd	4.5	6	<5000	<0.5	<0.5	17	10	<0.5	1.2	<1	12	<0.5
1/29/01	130	<5	16	nd	1.9	3.8	<5000	nd	nd	12	9.1	nd	0.9	nd	12	nd
MW-3																
2/11/94	nd		nd	nd	nd	nd	nd	-	-	-	-	-	-	-	-	-
9/9/94	710	-	10	nd	nd	3.5	nd	-	-	-	-	-	-	-	-	-
12/28/94	2,300	-	7.8	nd	130	73	nd	-	-	-	-	-	-	-	-	-
4/13/95	1,700	-	2.9	nd	61	24	nd	-	-	-	-	-	-	-	-	-
11/1/95	1,100	-	4.4	nd	27	22	nd	-	-	-	-	-	-	-	-	-
3/25/96	2,300	-	4	0.96	120	65	nd	<0.5	<0.5	0.56	1.2	<0.5	<0.5	<0.5	<0.5	<0.5
10/8/96	160	-	nd	0.5	1.2	0.77	nd	<0.5	<0.5	1.1	0.87	<0.5	<0.5	<0.5	<0.5	<0.5
1/16/97	1,800	7.1	2.8	0.68	48	66	<5000	-	-	-	-	-	-	-	-	-
6/23/97	nd	nd	nd	nd	nd	nd	-	<0.5	<0.5	0.54	0.76	<0.5	<0.5	<0.5	<0.5	<0.5
10/7/97	nd	nd	nd	nd	nd	nd	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12/12/98	1,900	nd	1.8	0.78	78	42	nd	<0.5	<0.5	0.51	0.82	<0.5	<0.5	<1	<0.5	<0.5
4/24/99	2,100	nd	1.5	0.85	79	43	<5000	<0.5	<0.5	>0.5	0.65	<0.5	<0.5	<0.5	<0.5	<0.5
12/18/99	330	nd	0.51	nd	nd	nd	<5000	<0.5	<0.5	0.72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
7/22/00	230	nd	0.89	2.4	nd	nd	<5000	<0.5	<0.5	0.52	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1/29/01	450	<5	1.1	1.6	11	3.6	<5000	nd	nd	nd	nd	nd	nd	nd	nd	nd

TABLE 1 (cont.)

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

1970 Seminary Avenue, Oakland, CA

EKI A10034.00

May 2001

Date Sampled	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	Oil & Grease	CA	1,2-DCB	1,2-DCA	cis 1,2-DCE	trans 1,2-DCE	1,2-DCP	PCE	TCE	VCL
MW-4																
3/26/96	9,900	-	4,000	40	71	100	nd	<8	22	<8	300	9.2	<8	38	150	44
10/8/96	7,800	140	3,900	33	31	40	nd	<15	22	4.9	320	<15	<15	52	130	60
1/16/97	4,800	84	1,900	21	2.5	27	5,200	-	-	-	-	-	-	-	-	-
6/23/97	6,200	160	2,800	20	20	23	nd	3.6	21	5.3	340	10	<3	11	110	83
10/7/97	4,400	85	1,800	14	18	14	nd	<8	20	<8	380	9.9	<8	<12	56	56
12/12/98	3,500	110	1,500	13	39	14	nd	<3.5	18	<3.5	150	12	<8	<4.5	12	57
4/24/99	3,100	<10	1,700	22	67	21	7,500	<8.5	20	<8.5	390	12	<8.5	33	240	43
12/18/99	2,600	33	1,000	12	32	10	<5000	<10	27	<10	390	13	<10	<10	39	<10
7/22/00	2,700	60	940	14	31	12	7,000	<10	38	<10	620	<10	<10	<10	19	97
1/29/01	2,500	<5	980	11	35	5	<5000	nd	35	nd	380	15	nd	nd	nd	nd
MW-5																
3/26/96	1,200	-	43	8.2	83	95	nd	1.4	<0.5	2.1	6.2	<0.5	<0.5	<0.5	<0.5	10
10/8/96	6,700	190	260	92	410	370	nd	<2.5	<2.5	4.9	4.4	<2.5	<2.5	<2.5	<2.5	9.4
1/16/97	3,000	90	150	68	190	180	nd	-	-	-	-	-	-	-	-	-
6/23/97	12,000	150	410	170	920	800	-	2	2.1	2	7.2	0.71	<0.5	<0.5	<0.5	13
10/7/97	10,000	<480	310	62	530	500	-	1.9	1.4	2.8	3.4	<0.5	<0.5	<0.5	<0.5	10
12/12/98	11,000	<660	400	120	740	480	nd	1.4	2	1.1	3.7	<1	<1	<1.5	<1	5.8
4/24/99	9,300	<100	390	290	820	770	<5000	<1	1.9	1.9	4.8	<1	<1	<1	<1	6.3
12/18/99	7,000	<100	250	52	500	300	<5000	1.6	1.7	1.8	1.9	<0.5	<0.5	<0.5	<0.5	2.9
7/22/00	14,000	<100	290	140	770	630	12,000	1.8	2.4	1.4	2.6	<1	<1	<1.0	<1.0	5
1/29/01	8,200	<5	180	42	420	250	11,000	nd	2.2	2.6	2.2	nd	nd	nd	nd	2.2
MW-6																
3/26/96	9,900	-	1,000	150	470	720	nd	<0.5	<0.5	3.9	15	<0.5	1.9	0.77	2	<0.5
10/8/96	1,300	57	120	2.3	1.4	4	nd	<0.5	<0.5	2.3	9.9	<0.5	<0.5	<0.5	0.57	<0.5
1/16/97	6,500	220	570	65	170	630	nd	-	-	-	-	-	-	-	-	-
6/23/97	3,100	100	410	16	110	140	-	<0.5	<0.5	1.6	10	<0.5	<0.5	<0.5	0.63	0.5
10/7/97	960	<74	78	3.4	1.8	5.8	-	<0.5	<0.5	3.4	7.9	<0.5	<0.5	<0.5	0.82	<0.5
12/12/98	2,500	<160	230	10	92	110	nd	<0.5	<0.5	1.5	8.4	<0.5	<0.5	<1	<0.5	<0.5
4/24/99	2,900	<10	430	33	160	200	<5000	<0.5	<0.5	2.3	17	<0.5	0.89	<1	0.73	0.59
12/18/99	2,300	<200	170	6.6	56	63	<5000	<0.5	<0.5	2.2	8.3	<0.5	<0.5	<0.5	<0.5	0.62
7/22/00	2,200	<10	290	9.6	80	43	<5000	<0.5	<0.5	1.2	9.3	<0.5	<0.5	<1.0	<0.5	0.97
1/29/01	2,500	<10	220	11	150	230	<5000	nd	nd	1.1	11	nd	nd	nd	nd	0.77

TABLE 1 (cont.)

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

1970 Seminary Avenue, Oakland, CA

EKI A10034.00

May 2001

Date Sampled	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	Oil & Grease	CA	1,2-DCB	1,2-DCA	cis 1,2-DCE	trans 1,2-DCE	1,2-DCP	PCE	TCE	VCL
MW-7																
6/23/97	8,700	<20	950	260	520	380	nd	0.93	1.6	<0.5	2.4	1.2	<0.5	9.8	17	1.5
10/7/97	7,500	<310	1,100	86	280	150	nd	<2	<2	<2	8.5	2.4	<2	38	110	<2
12/12/98	5,000	<190	640	43	200	55	nd	<2	2.2	<2	97	<2	<2	<3.5	<2	<2
4/24/99	5,500	<10	640	180	290	210	<5000	<2	2.4	<2	31	<2	<2	9.3	82	<2
12/18/99	5,500	<10	570	27	91	31	<5000	<3	5.7	<3	120	<3	<3	<3	12	<3
7/22/00	7,400	<80	620	180	240	180	10,000	<5	18	<5	170	<5	<5	<5	8	<5
1/29/01	4,000	<10	410	21	22	21	7,000	nd	5.5	nd	78	1	nd	nd	2	2
MW-8																
6/23/97	610	5.9	25	1.4	4.3	2.4	nd	<1	5.4	<1	64	<1	<1	97	100	<1
10/7/97	120	nd	6.9	nd	nd	nd	nd	<0.5	1.1	<0.5	16	<0.5	<0.5	30	27	<0.5
12/12/98	nd	nd	nd	nd	nd	nd	nd	<0.5	<0.5	<0.5	3.4	<0.5	<0.5	4.8	4.7	<0.5
4/24/99	nd	nd	nd	nd	nd	nd	<5000	<0.5	<0.5	<0.5	1.9	<0.5	<0.5	3.4	3.4	<0.5
12/18/99	nd	nd	nd	nd	nd	nd	<5000	<0.5	<0.5	<0.5	5.3	<0.5	<0.5	5.9	6.4	<0.5
7/22/00	nd	nd	nd	nd	nd	nd	<5000	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	2.4	1.6	<0.5
1/29/01	nd	<5	0.87	nd	nd	nd	<5000	nd	nd	nd	10	nd	nd	nd	8.8	nd
MW-9																
6/23/97	32,000	250	340	280	1,500	4,300	nd	<1	2.1	<1	7.4	<1	<1	3.5	1.4	<1
10/7/97	33,000	<690	880	350	1,900	4,700	nd	<0.5	1.6	2.1	21	<0.5	0.7	<2	0.53	2.7
12/12/98	3,400	<78	160	14	220	210	nd	<0.5	0.7	0.53	1.9	<0.5	<0.5	<1	<0.5	<0.5
4/24/99	3,100	22	130	18	220	190	nd	<0.5	0.81	0.52	3.1	<0.5	<0.5	<0.5	<0.5	<0.5
12/18/99	7,500	100	220	44	440	650	<5000	<0.5	1.1	0.67	3.7	<0.5	<0.5	<0.5	<0.5	0.63
7/22/00	4,900	<10	93	15	240	250	7,100	<1	1.4	<1	1.6	<1	<1	<1	<1	<1
1/29/01	3,800	<10	160	35	260	310	5,000	nd	1.2	0.71	nd	8.2	nd	nd	nd	0.53
EB-4																
3/8/96	15,000	-	780	840	1,300	590	7,500	nd	nd	nd	42	nd	nd	130	340	nd

TABLE 1 (cont.)

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

1970 Seminary Avenue, Oakland, CA

EKI A10034.00
May 2001

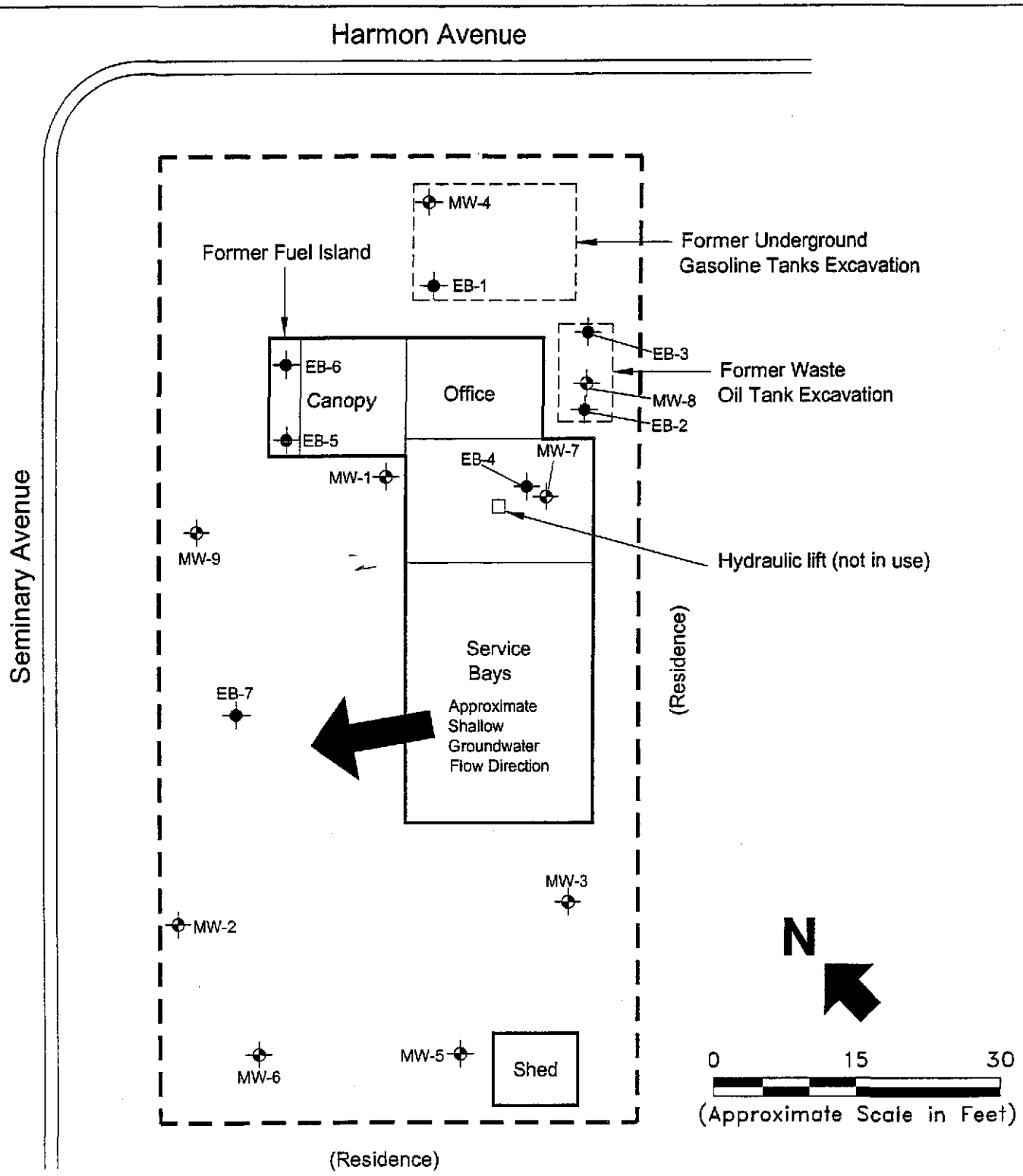
Notes:

All groundwater results in micrograms per liter ("ug/l")

Groundwater sample data obtained from Hoexter Consulting, Inc. semi-annual groundwater sampling reports.
See Hoexter Consulting, Inc. reports for complete data set including additional parameters and detection limits.

CA = chloroethane
1,2-DCB = 1,2-dichlorobenzene
1,2-DCA = 1,2-dichloroethane
cis 1,2-DCE = cis 1,2-dichloroethene
trans 1,2-DCE = trans 1,2-dichloroethene
1,2-DCP = 1,2-dichloropropane
PCE = perchloroethylene (or tetrachloroethylene)
TCE = trichloroethylene
VCL - vinyl chloride

- = not analyzed
nd = not detected above analytical method reporting limits.



LEGEND:

- Approximate boundary of Subject Property
- Approximate Location of Monitoring Well
- Approximate Location of Soil Boring

Notes:

1. All locations are approximate.
2. Basemap Source: Hoexter Consulting, Inc. (Nov. 2000).

Erler & Kalinowski, Inc.

Approximate Location of Soil Boreholes and Monitoring Wells
1970 Seminary Avenue
Oakland, CA
May 2001
EKI A10034.00
Figure 2

APPENDIX C

COPIES OF ANALYTICAL DATA REPORTS PROVIDED BY STL CHROMALAB, INC.

1970 Seminary Avenue
Oakland, California

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-07-0251
Date: July 31, 2001

Erler and Kalinowski, Inc.
1870 Ogden Drive
Burlingame, CA 94010-5306

Attn.: Paul Hoffey

Project: A10034.00
1970 Seminary Ave.

Site: Hydraulic Excavation

Attached is our report for your samples received on Monday July 16, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after August 30, 2001 unless you have requested otherwise. We appreciate the opportunity to be of service to you.
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.
My email address is: gcook@chromalab.com

Sincerely,

Gary Cook

Volatile OrganicCompounds by 8260B

Erler and Kalinowski, Inc.

1870 Ogden Drive
Burlingame, CA 94010-5306

Attn: Paul Hoffey

Phone: (650) 292-9100 Fax: (650) 552-9012

Project #: A10034.00

Project: 1970 Seminary Ave.

Site: Hydraulic Excavation

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
BOTTOM 9.5	Soil	07/13/2001 08:31	5
SP-WEST	Soil	07/13/2001	6
SP-EAST	Soil	07/13/2001	7

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile OrganicCompounds by 8260B

Sample ID:	**BOTTOM 9.5**	Lab Sample ID:	**2001-07-0251-005**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/23/2001 17:55
Sampled:	07/13/2001 08:31	QC-Batch:	2001/07/23-01.09
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Acetone	ND	50	ug/Kg	1.00	07/23/2001 17:55	
Benzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Bromodichloromethane	ND	20	ug/Kg	1.00	07/23/2001 17:55	
Bromobenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Bromochloromethane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Bromoform	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Bromomethane	ND	10	ug/Kg	1.00	07/23/2001 17:55	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	07/23/2001 17:55	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Carbon disulfide	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Chlorobenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Chloroethane	ND	10	ug/Kg	1.00	07/23/2001 17:55	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	07/23/2001 17:55	
Chloroform	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Chloromethane	ND	10	ug/Kg	1.00	07/23/2001 17:55	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	07/23/2001 17:55	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	07/23/2001 17:55	
Dibromomethane	ND	10	ug/Kg	1.00	07/23/2001 17:55	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	07/23/2001 17:55	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile OrganicCompounds by 8260B

Sample ID:	**BOTTOM 9.5**	Lab Sample ID:	**2001-07-0251-005**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/23/2001 17:55
Sampled:	07/13/2001 08:31	QC-Batch:	2001/07/23-01.09
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Ethylbenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
2-Hexanone	ND	50	ug/Kg	1.00	07/23/2001 17:55	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Methylene chloride	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	07/23/2001 17:55	
Naphthalene	ND	10	ug/Kg	1.00	07/23/2001 17:55	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Styrene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Toluene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Trichloroethene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Vinyl acetate	ND	50	ug/Kg	1.00	07/23/2001 17:55	
Vinyl chloride	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Total xylenes	ND	5.0	ug/Kg	1.00	07/23/2001 17:55	
Surrogate(s)						
4-Bromofluorobenzene	110.9	74-121	%	1.00	07/23/2001 17:55	
1,2-Dichloroethane-d4	93.6	70-121	%	1.00	07/23/2001 17:55	
Toluene-d8	112.3	81-117	%	1.00	07/23/2001 17:55	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile OrganicCompounds by 8260B

Sample ID:	**SP-WEST**	Lab Sample ID:	**2001-07-0251-006**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/26/2001 15:20
Sampled:	07/13/2001	QC-Batch:	2001/07/26-01.09
Matrix:	Soil		

Sample/Analysis Flag Irn (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Acetone	150	120	ug/Kg	2.31	07/26/2001 15:20	
Benzene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Bromodichloromethane	ND	46	ug/Kg	2.31	07/26/2001 15:20	
Bromobenzene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Bromochloromethane	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Bromoform	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Bromomethane	ND	23	ug/Kg	2.31	07/26/2001 15:20	
2-Butanone(MEK)	ND	120	ug/Kg	2.31	07/26/2001 15:20	
n-Butylbenzene	47	12	ug/Kg	2.31	07/26/2001 15:20	
sec-Butylbenzene	33	12	ug/Kg	2.31	07/26/2001 15:20	
tert-Butylbenzene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Carbon disulfide	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Carbon tetrachloride	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Chlorobenzene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Chloroethane	ND	23	ug/Kg	2.31	07/26/2001 15:20	
2-Chloroethylvinyl ether	ND	120	ug/Kg	2.31	07/26/2001 15:20	
Chloroform	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Chloromethane	ND	23	ug/Kg	2.31	07/26/2001 15:20	
2-Chlorotoluene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
4-Chlorotoluene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Dibromochloromethane	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,2-Dichlorobenzene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,3-Dichlorobenzene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,4-Dichlorobenzene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,3-Dichloropropane	ND	12	ug/Kg	2.31	07/26/2001 15:20	
2,2-Dichloropropane	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,1-Dichloropropene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,2-Dibromo-3-chloropropane	ND	120	ug/Kg	2.31	07/26/2001 15:20	
1,2-Dibromoethane	ND	23	ug/Kg	2.31	07/26/2001 15:20	
Dibromomethane	ND	23	ug/Kg	2.31	07/26/2001 15:20	
Dichlorodifluoromethane	ND	23	ug/Kg	2.31	07/26/2001 15:20	
1,1-Dichloroethane	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,2-Dichloroethane	ND	12	ug/Kg	2.31	07/26/2001 15:20	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile OrganicCompounds by 8260B

Sample ID: **SP-WEST**
Lab Sample ID: **2001-07-0251-006**

Project: A10034.00
1970 Seminary Ave.
Received: 07/16/2001 18:15

Site: Hydraulic Excavation
Extracted: 07/26/2001 15:20

Sampled: 07/13/2001
QC-Batch: 2001/07/26-01.09

Matrix: Soil

Sample/Analysis Flag Im (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,1-Dichloroethene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
cis-1,2-Dichloroethene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
trans-1,2-Dichloroethene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,2-Dichloropropane	ND	12	ug/Kg	2.31	07/26/2001 15:20	
cis-1,3-Dichloropropene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
trans-1,3-Dichloropropene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Ethylbenzene	55	12	ug/Kg	2.31	07/26/2001 15:20	
Hexachlorobutadiene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
2-Hexanone	ND	120	ug/Kg	2.31	07/26/2001 15:20	
Isopropylbenzene	23	12	ug/Kg	2.31	07/26/2001 15:20	
p-Isopropyltoluene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Methylene chloride	ND	12	ug/Kg	2.31	07/26/2001 15:20	
4-Methyl-2-pentanone (MIBK)	ND	120	ug/Kg	2.31	07/26/2001 15:20	
Naphthalene	170	23	ug/Kg	2.31	07/26/2001 15:20	
n-Propylbenzene	95	12	ug/Kg	2.31	07/26/2001 15:20	
Styrene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,1,1,2-Tetrachloroethane	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,1,2,2-Tetrachloroethane	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Tetrachloroethene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Toluene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,2,3-Trichlorobenzene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,2,4-Trichlorobenzene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,1,1-Trichloroethane	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,1,2-Trichloroethane	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Trichloroethene	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Trichlorofluoromethane	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Trichlorotrifluoroethane	ND	12	ug/Kg	2.31	07/26/2001 15:20	
1,2,4-Trimethylbenzene	310	12	ug/Kg	2.31	07/26/2001 15:20	
1,3,5-Trimethylbenzene	99	12	ug/Kg	2.31	07/26/2001 15:20	
Vinyl acetate	ND	120	ug/Kg	2.31	07/26/2001 15:20	
Vinyl chloride	ND	12	ug/Kg	2.31	07/26/2001 15:20	
Total xylenes	140	12	ug/Kg	2.31	07/26/2001 15:20	
Surrogate(s)						
4-Bromofluorobenzene	113.2	74-121	%	2.31	07/26/2001 15:20	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile OrganicCompounds by 8260B

Sample ID:	**SP-WEST**	Lab Sample ID:	**2001-07-0251-006**
Project:	A10034.00 1970 Seminary Ave.	Received:	*07/16/2001 18:15*
Site:	Hydraulic Excavation	Extracted:	07/26/2001 15:20
Sampled:	07/13/2001	QC-Batch:	2001/07/26-01.09
Matrix:	Soil		

Sample/Analysis Flag Irn (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Surrogate(s)						
1,2-Dichloroethane-d4	94.5	70-121	%	2.31	07/26/2001 15:20	
Toluene-d8	115.5	81-117	%	2.31	07/26/2001 15:20	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile OrganicCompounds by 8260B

Sample ID:	**SP-EAST**	Lab Sample ID:	**2001-07-0251-007**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/26/2001 15:56
Sampled:	07/13/2001	QC-Batch:	2001/07/26-01.09
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Acetone	ND	50	ug/Kg	1.00	07/26/2001 15:56	
Benzene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Bromodichloromethane	ND	20	ug/Kg	1.00	07/26/2001 15:56	
Bromobenzene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Bromochloromethane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Bromoform	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Bromomethane	ND	10	ug/Kg	1.00	07/26/2001 15:56	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	07/26/2001 15:56	
n-Butylbenzene	10	5.0	ug/Kg	1.00	07/26/2001 15:56	
sec-Butylbenzene	8.7	5.0	ug/Kg	1.00	07/26/2001 15:56	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Carbon disulfide	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Chlorobenzene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Chloroethane	ND	10	ug/Kg	1.00	07/26/2001 15:56	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	07/26/2001 15:56	
Chloroform	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Chloromethane	ND	10	ug/Kg	1.00	07/26/2001 15:56	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	07/26/2001 15:56	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	07/26/2001 15:56	
Dibromomethane	ND	10	ug/Kg	1.00	07/26/2001 15:56	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	07/26/2001 15:56	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile OrganicCompounds by 8260B

Sample ID:	**SP-EAST**	Lab Sample ID:	**2001-07-0251-007**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/26/2001 15:56
Sampled:	07/13/2001	QC-Batch:	2001/07/26-01.09
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Ethylbenzene	9.2	5.0	ug/Kg	1.00	07/26/2001 15:56	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
2-Hexanone	ND	50	ug/Kg	1.00	07/26/2001 15:56	
Isopropylbenzene	5.8	5.0	ug/Kg	1.00	07/26/2001 15:56	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Methylene chloride	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	07/26/2001 15:56	
Naphthalene	ND	10	ug/Kg	1.00	07/26/2001 15:56	
n-Propylbenzene	20	5.0	ug/Kg	1.00	07/26/2001 15:56	
Styrene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Toluene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Trichloroethene	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,2,4-Trimethylbenzene	65	5.0	ug/Kg	1.00	07/26/2001 15:56	
1,3,5-Trimethylbenzene	24	5.0	ug/Kg	1.00	07/26/2001 15:56	
Vinyl acetate	ND	50	ug/Kg	1.00	07/26/2001 15:56	
Vinyl chloride	ND	5.0	ug/Kg	1.00	07/26/2001 15:56	
Total xylenes	21	5.0	ug/Kg	1.00	07/26/2001 15:56	
Surrogate(s)						
4-Bromofluorobenzene	109.0	74-121	%	1.00	07/26/2001 15:56	
1,2-Dichloroethane-d4	118.5	70-121	%	1.00	07/26/2001 15:56	
Toluene-d8	109.6	81-117	%	1.00	07/26/2001 15:56	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Batch QC Report
Volatile OrganicCompounds by 8260B

Method Blank | **Soil** | **QC Batch # 2001/07/23-01.09**

MB: 2001/07/23-01.09-007 | Date Extracted: 07/23/2001 17:27

Compound	Result	Rep.Limit	Units	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	07/23/2001 17:27	
Acetone	ND	50	ug/Kg	07/23/2001 17:27	
Benzene	ND	5.0	ug/Kg	07/23/2001 17:27	
Bromodichloromethane	ND	5.0	ug/Kg	07/23/2001 17:27	
Bromobenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
Bromochloromethane	ND	20	ug/Kg	07/23/2001 17:27	
Bromoform	ND	5.0	ug/Kg	07/23/2001 17:27	
Bromomethane	ND	10	ug/Kg	07/23/2001 17:27	
2-Butanone(MEK)	ND	50	ug/Kg	07/23/2001 17:27	
n-Butylbenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
sec-Butylbenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
tert-Butylbenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
Carbon disulfide	ND	5.0	ug/Kg	07/23/2001 17:27	
Carbon tetrachloride	ND	5.0	ug/Kg	07/23/2001 17:27	
Chlorobenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
Chloroethane	ND	10	ug/Kg	07/23/2001 17:27	
2-Chloroethylvinyl ether	ND	50	ug/Kg	07/23/2001 17:27	
Chloroform	ND	5.0	ug/Kg	07/23/2001 17:27	
Chloromethane	ND	10	ug/Kg	07/23/2001 17:27	
2-Chlorotoluene	ND	5.0	ug/Kg	07/23/2001 17:27	
4-Chlorotoluene	ND	5.0	ug/Kg	07/23/2001 17:27	
Dibromochloromethane	ND	5.0	ug/Kg	07/23/2001 17:27	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
1,3-Dichloropropane	ND	5.0	ug/Kg	07/23/2001 17:27	
2,2-Dichloropropane	ND	5.0	ug/Kg	07/23/2001 17:27	
1,1-Dichloropropene	ND	5.0	ug/Kg	07/23/2001 17:27	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	07/23/2001 17:27	
1,2-Dibromoethane	ND	10	ug/Kg	07/23/2001 17:27	
Dibromomethane	ND	10	ug/Kg	07/23/2001 17:27	
Dichlorodifluoromethane	ND	10	ug/Kg	07/23/2001 17:27	
1,1-Dichloroethane	ND	5.0	ug/Kg	07/23/2001 17:27	
1,2-Dichloroethane	ND	5.0	ug/Kg	07/23/2001 17:27	
1,1-Dichloroethene	ND	5.0	ug/Kg	07/23/2001 17:27	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	07/23/2001 17:27	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	07/23/2001 17:27	
1,2-Dichloropropane	ND	5.0	ug/Kg	07/23/2001 17:27	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	07/23/2001 17:27	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	07/23/2001 17:27	
Ethylbenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
Hexachlorobutadiene	ND	5.0	ug/Kg	07/23/2001 17:27	
2-Hexanone	ND	50	ug/Kg	07/23/2001 17:27	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Batch QC Report
Volatile OrganicCompounds by 8260B

Method Blank | **Soil** | **QC Batch # 2001/07/23-01.09**

MB: 2001/07/23-01.09-007 | Date Extracted: 07/23/2001 17:27

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Isopropylbenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
p-Isopropyltoluene	ND	5.0	ug/Kg	07/23/2001 17:27	
Methylene chloride	ND	5.0	ug/Kg	07/23/2001 17:27	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	07/23/2001 17:27	
Naphthalene	ND	10	ug/Kg	07/23/2001 17:27	
n-Propylbenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
Styrene	ND	5.0	ug/Kg	07/23/2001 17:27	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	07/23/2001 17:27	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	07/23/2001 17:27	
Tetrachloroethene	ND	5.0	ug/Kg	07/23/2001 17:27	
Toluene	ND	5.0	ug/Kg	07/23/2001 17:27	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	07/23/2001 17:27	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	07/23/2001 17:27	
Trichloroethene	ND	5.0	ug/Kg	07/23/2001 17:27	
Trichlorofluoromethane	ND	5.0	ug/Kg	07/23/2001 17:27	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	07/23/2001 17:27	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	07/23/2001 17:27	
Vinyl acetate	ND	50	ug/Kg	07/23/2001 17:27	
Vinyl chloride	ND	5.0	ug/Kg	07/23/2001 17:27	
Total xylenes	ND	5.0	ug/Kg	07/23/2001 17:27	
Surrogate(s)					
4-Bromofluorobenzene	105.0	74-121	%	07/23/2001 17:27	
1,2-Dichloroethane-d4	108.1	70-121	%	07/23/2001 17:27	
Toluene-d8	109.3	81-117	%	07/23/2001 17:27	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Batch QC Report
Volatile OrganicCompounds by 8260B

Method Blank | **Soil** | **QC Batch # 2001/07/26-01.09**

MB: 2001/07/26-01.09-007 | Date Extracted: 07/26/2001 13:57

Compound	Result	Rep.Limit	Units	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	07/26/2001 13:57	
Acetone	ND	50	ug/Kg	07/26/2001 13:57	
Benzene	ND	5.0	ug/Kg	07/26/2001 13:57	
Bromodichloromethane	ND	5.0	ug/Kg	07/26/2001 13:57	
Bromobenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
Bromochloromethane	ND	20	ug/Kg	07/26/2001 13:57	
Bromoform	ND	5.0	ug/Kg	07/26/2001 13:57	
Bromomethane	ND	10	ug/Kg	07/26/2001 13:57	
2-Butanone(MEK)	ND	50	ug/Kg	07/26/2001 13:57	
n-Butylbenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
sec-Butylbenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
tert-Butylbenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
Carbon disulfide	ND	5.0	ug/Kg	07/26/2001 13:57	
Carbon tetrachloride	ND	5.0	ug/Kg	07/26/2001 13:57	
Chlorobenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
Chloroethane	ND	10	ug/Kg	07/26/2001 13:57	
2-Chloroethylvinyl ether	ND	50	ug/Kg	07/26/2001 13:57	
Chloroform	ND	5.0	ug/Kg	07/26/2001 13:57	
Chloromethane	ND	10	ug/Kg	07/26/2001 13:57	
2-Chlorotoluene	ND	5.0	ug/Kg	07/26/2001 13:57	
4-Chlorotoluene	ND	5.0	ug/Kg	07/26/2001 13:57	
Dibromochloromethane	ND	5.0	ug/Kg	07/26/2001 13:57	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
1,3-Dichloropropane	ND	5.0	ug/Kg	07/26/2001 13:57	
2,2-Dichloropropane	ND	5.0	ug/Kg	07/26/2001 13:57	
1,1-Dichloropropene	ND	5.0	ug/Kg	07/26/2001 13:57	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	07/26/2001 13:57	
1,2-Dibromoethane	ND	10	ug/Kg	07/26/2001 13:57	
Dibromomethane	ND	10	ug/Kg	07/26/2001 13:57	
Dichlorodifluoromethane	ND	10	ug/Kg	07/26/2001 13:57	
1,1-Dichloroethane	ND	5.0	ug/Kg	07/26/2001 13:57	
1,2-Dichloroethane	ND	5.0	ug/Kg	07/26/2001 13:57	
1,1-Dichloroethene	ND	5.0	ug/Kg	07/26/2001 13:57	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	07/26/2001 13:57	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	07/26/2001 13:57	
1,2-Dichloropropane	ND	5.0	ug/Kg	07/26/2001 13:57	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	07/26/2001 13:57	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	07/26/2001 13:57	
Ethylbenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
Hexachlorobutadiene	ND	5.0	ug/Kg	07/26/2001 13:57	
2-Hexanone	ND	50	ug/Kg	07/26/2001 13:57	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Batch QC Report
Volatile OrganicCompounds by 8260B

Method Blank | **Soil** | **QC Batch # 2001/07/26-01.09**

MB: 2001/07/26-01.09-007 | Date Extracted: 07/26/2001 13:57

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Isopropylbenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
p-Isopropyltoluene	ND	5.0	ug/Kg	07/26/2001 13:57	
Methylene chloride	ND	5.0	ug/Kg	07/26/2001 13:57	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	07/26/2001 13:57	
Naphthalene	ND	10	ug/Kg	07/26/2001 13:57	
n-Propylbenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
Styrene	ND	5.0	ug/Kg	07/26/2001 13:57	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	07/26/2001 13:57	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	07/26/2001 13:57	
Tetrachloroethene	ND	5.0	ug/Kg	07/26/2001 13:57	
Toluene	ND	5.0	ug/Kg	07/26/2001 13:57	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	07/26/2001 13:57	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	07/26/2001 13:57	
Trichloroethene	ND	5.0	ug/Kg	07/26/2001 13:57	
Trichlorofluoromethane	ND	5.0	ug/Kg	07/26/2001 13:57	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	07/26/2001 13:57	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	07/26/2001 13:57	
Vinyl acetate	ND	50	ug/Kg	07/26/2001 13:57	
Vinyl chloride	ND	5.0	ug/Kg	07/26/2001 13:57	
Total xylenes	ND	5.0	ug/Kg	07/26/2001 13:57	
Surrogate(s)					
4-Bromofluorobenzene	115.4	74-121	%	07/26/2001 13:57	
1,2-Dichloroethane-d4	107.8	70-121	%	07/26/2001 13:57	
Toluene-d8	116.5	81-117	%	07/26/2001 13:57	

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Batch QC Report

Volatile OrganicCompounds by 8260B

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/23-01.09**

LCS: 2001/07/23-01.09-005 Extracted: 07/23/2001 16:27 Analyzed 07/23/2001 16:27
LCSD: 2001/07/23-01.09-006 Extracted: 07/23/2001 16:59 Analyzed 07/23/2001 16:59

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	92.7	94.1	100.0	100.0	92.7	94.1	1.5	69-129	20		
Chlorobenzene	89.3	88.7	100.0	100.0	89.3	88.7	0.7	61-121	20		
1,1-Dichloroethene	88.9	81.9	100.0	100.0	88.9	81.9	8.2	65-125	20		
Toluene	89.9	88.8	100.0	100.0	89.9	88.8	1.2	70-130	20		
Trichloroethene	87.3	99.8	100.0	100.0	87.3	99.8	13.4	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	572	537	500	500	114.4	107.4		74-121			
1,2-Dichloroethane-d4	582	511	500	500	116.4	102.2		70-121			
Toluene-d8	555	555	500	500	111.0	111.0		81-117			

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Batch QC Report

Volatile OrganicCompounds by 8260B

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/26-01.09**

LCS: 2001/07/26-01.09-008 Extracted: 07/26/2001 14:24 Analyzed 07/26/2001 14:24
LCSD: 2001/07/26-01.09-009 Extracted: 07/26/2001 14:53 Analyzed 07/26/2001 14:53

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	86.3	97.0	100.0	100.0	86.3	97.0	11.7	69-129	20		
Chlorobenzene	88.6	91.3	100.0	100.0	88.6	91.3	3.0	61-121	20		
1,1-Dichloroethene	71.2	77.9	100.0	100.0	71.2	77.9	9.0	65-125	20		
Toluene	88.5	94.2	100.0	100.0	88.5	94.2	6.2	70-130	20		
Trichloroethene	85.4	92.0	100.0	100.0	85.4	92.0	7.4	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	594	527	500	500	118.8	105.4		74-121			
1,2-Dichloroethane-d4	547	546	500	500	109.4	109.2		70-121			
Toluene-d8	575	562	500	500	115.0	112.4		81-117			

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Legend & Notes

Volatile OrganicCompounds by 8260B

Analysis Flags

lrn

Reporting limits raised due to high level of non-target analyte materials.

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-07-0251

Volatile Organic Compounds by 8260B (High Level)

Erler and Kalinowski, Inc.

1870 Ogden Drive
Burlingame, CA 94010-5306

Attn: Paul Hoffey

Phone: (650) 292-9100 Fax: (650) 552-9012

Project #: A10034.00

Project: 1970 Seminary Ave.

Site: Hydraulic Excavation

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
NW 8.5	Soil	07/13/2001 08:29	1
NE 8.5	Soil	07/13/2001 08:37	2
SW 8.0	Soil	07/13/2001 08:43	3
SE 9.0	Soil	07/13/2001 08:35	4

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile Organic Compounds by 8260B (High Level)

Sample ID:	**NW 8.5**	Lab Sample ID:	**2001-07-0251-001**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/23/2001 11:30
Sampled:	07/13/2001 08:29	QC-Batch:	2001/07/24-01.39
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	25000	ug/Kg	1.00	07/24/2001 21:00	
Benzene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Bromodichloromethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Bromoform	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Bromomethane	ND	500	ug/Kg	1.00	07/24/2001 21:00	
Carbon tetrachloride	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Chlorobenzene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Chloroethane	ND	500	ug/Kg	1.00	07/24/2001 21:00	
2-Butanone(MEK)	ND	25000	ug/Kg	1.00	07/24/2001 21:00	
2-Chloroethylvinyl ether	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Chloroform	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Chloromethane	ND	500	ug/Kg	1.00	07/24/2001 21:00	
Dibromochloromethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,2-Dichlorobenzene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,3-Dichlorobenzene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,4-Dichlorobenzene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,3-Dichloropropane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
2,2-Dichloropropane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,1-Dichloropropene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,2-Dibromo-3-chloropropane	ND	2500	ug/Kg	1.00	07/24/2001 21:00	
1,2-Dibromoethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Dibromomethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Dichlorodifluoromethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,1-Dichloroethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,2-Dichloroethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,1-Dichloroethene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
cis-1,2-Dichloroethene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
trans-1,2-Dichloroethene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,2-Dichloropropane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
cis-1,3-Dichloropropene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
trans-1,3-Dichloropropene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Ethylbenzene	790	250	ug/Kg	1.00	07/24/2001 21:00	
Hexachlorobutadiene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
2-Hexanone	ND	25000	ug/Kg	1.00	07/24/2001 21:00	
Methylene chloride	ND	2500	ug/L	1.00	07/24/2001 21:00	
4-Methyl-2-pentanone (MIBK)	ND	25000	ug/Kg	1.00	07/24/2001 21:00	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile Organic Compounds by 8260B (High Level)

Sample ID:	**NW 8.5**	Lab Sample ID:	**2001-07-0251-001**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/23/2001 11:30
Sampled:	07/13/2001 08:29	QC-Batch:	2001/07/24-01.39
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Naphthalene	510	500	ug/Kg	1.00	07/24/2001 21:00	
Styrene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Tetrachloroethene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Toluene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,1,1-Trichloroethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,1,2-Trichloroethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Trichloroethene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Vinyl acetate	ND	2500	ug/Kg	1.00	07/24/2001 21:00	
Vinyl chloride	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Total xylenes	530	500	ug/Kg	1.00	07/24/2001 21:00	
Trichlorotrifluoroethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Carbon disulfide	ND	500	ug/Kg	1.00	07/24/2001 21:00	
Isopropylbenzene	350	250	ug/Kg	1.00	07/24/2001 21:00	
Bromobenzene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Bromochloromethane	ND	250	ug/Kg	1.00	07/24/2001 21:00	
Trichlorofluoromethane	ND	1000	ug/Kg	1.00	07/24/2001 21:00	
1,2,3-Trichlorobenzene	ND	500	ug/Kg	1.00	07/24/2001 21:00	
1,2,4-Trichlorobenzene	ND	600	ug/Kg	1.00	07/24/2001 21:00	
1,2,4-Trimethylbenzene	1200	250	ug/Kg	1.00	07/24/2001 21:00	
1,3,5-Trimethylbenzene	660	250	ug/Kg	1.00	07/24/2001 21:00	
2-Chlorotoluene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
4-Chlorotoluene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
n-Butylbenzene	850	250	ug/Kg	1.00	07/24/2001 21:00	
n-Propylbenzene	1500	250	ug/Kg	1.00	07/24/2001 21:00	
p-Isopropyltoluene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
sec-Butylbenzene	310	250	ug/Kg	1.00	07/24/2001 21:00	
tert-Butylbenzene	ND	250	ug/Kg	1.00	07/24/2001 21:00	
MTBE	ND	2500	ug/L	1.00	07/24/2001 21:00	
Surrogate(s)						
4-Bromofluorobenzene	86.9	74-121	%	200.00	07/24/2001 21:00	
1,2-Dichloroethane-d4	115.6	70-121	%	200.00	07/24/2001 21:00	
Toluene-d8	100.2	81-117	%	200.00	07/24/2001 21:00	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile Organic Compounds by 8260B (High Level)

Sample ID:	**NE 8.5**	Lab Sample ID:	**2001-07-0251-002**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/23/2001 11:30
Sampled:	07/13/2001 08:37	QC-Batch:	2001/07/24-01.39
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	25000	ug/Kg	1.00	07/25/2001 16:16	
Benzene	2400	250	ug/Kg	1.00	07/25/2001 16:16	
Bromodichloromethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Bromoform	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Bromomethane	ND	500	ug/Kg	1.00	07/25/2001 16:16	
Carbon tetrachloride	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Chlorobenzene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Chloroethane	ND	500	ug/Kg	1.00	07/25/2001 16:16	
2-Butanone(MEK)	ND	25000	ug/Kg	1.00	07/25/2001 16:16	
2-Chloroethylvinyl ether	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Chloroform	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Chloromethane	ND	500	ug/Kg	1.00	07/25/2001 16:16	
Dibromochloromethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,2-Dichlorobenzene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,3-Dichlorobenzene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,4-Dichlorobenzene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,3-Dichloropropane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
2,2-Dichloropropane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,1-Dichloropropene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,2-Dibromo-3-chloropropane	ND	2500	ug/Kg	1.00	07/25/2001 16:16	
1,2-Dibromoethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Dibromomethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Dichlorodifluoromethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,1-Dichloroethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,2-Dichloroethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,1-Dichloroethene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
cis-1,2-Dichloroethene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
trans-1,2-Dichloroethene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,2-Dichloropropane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
cis-1,3-Dichloropropene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
trans-1,3-Dichloropropene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Ethylbenzene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Hexachlorobutadiene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
2-Hexanone	ND	25000	ug/Kg	1.00	07/25/2001 16:16	
Methylene chloride	ND	2500	ug/L	1.00	07/25/2001 16:16	
4-Methyl-2-pentanone (MIBK)	ND	25000	ug/Kg	1.00	07/25/2001 16:16	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile Organic Compounds by 8260B (High Level)

Sample ID:	**NE 8.5**	Lab Sample ID:	**2001-07-0251-002**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/23/2001 11:30
Sampled:	07/13/2001 08:37	QC-Batch:	2001/07/24-01.39
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Naphthalene	1400	500	ug/Kg	1.00	07/25/2001 16:16	
Styrene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Tetrachloroethene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Toluene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,1,1-Trichloroethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,1,2-Trichloroethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Trichloroethene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Vinyl acetate	ND	2500	ug/Kg	1.00	07/25/2001 16:16	
Vinyl chloride	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Total xylenes	3000	500	ug/Kg	1.00	07/25/2001 16:16	
Trichlorotrifluoroethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Carbon disulfide	ND	500	ug/Kg	1.00	07/25/2001 16:16	
Isopropylbenzene	320	250	ug/Kg	1.00	07/25/2001 16:16	
Bromobenzene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Bromochloromethane	ND	250	ug/Kg	1.00	07/25/2001 16:16	
Trichlorofluoromethane	ND	1000	ug/Kg	1.00	07/25/2001 16:16	
1,2,3-Trichlorobenzene	ND	500	ug/Kg	1.00	07/25/2001 16:16	
1,2,4-Trichlorobenzene	ND	600	ug/Kg	1.00	07/25/2001 16:16	
1,2,4-Trimethylbenzene	6800	250	ug/Kg	1.00	07/25/2001 16:16	
1,3,5-Trimethylbenzene	2000	250	ug/Kg	1.00	07/25/2001 16:16	
2-Chlorotoluene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
4-Chlorotoluene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
n-Butylbenzene	1300	250	ug/Kg	1.00	07/25/2001 16:16	
n-Propylbenzene	1400	250	ug/Kg	1.00	07/25/2001 16:16	
p-Isopropyltoluene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
sec-Butylbenzene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
tert-Butylbenzene	ND	250	ug/Kg	1.00	07/25/2001 16:16	
MTBE	ND	2500	ug/L	1.00	07/25/2001 16:16	
Surrogate(s)						
4-Bromofluorobenzene	92.8	74-121	%	1.00	07/25/2001 16:16	
1,2-Dichloroethane-d4	94.2	70-121	%	1.00	07/25/2001 16:16	
Toluene-d8	99.4	81-117	%	1.00	07/25/2001 16:16	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile Organic Compounds by 8260B (HIgh Level)

Sample ID:	**SW 8.0**	Lab Sample ID:	**2001-07-0251-003**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/23/2001 11:30
Sampled:	07/13/2001 08:43	QC-Batch:	2001/07/24-01.39
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	25000	ug/Kg	1.00	07/24/2001 17:21	
Benzene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Bromodichloromethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Bromoform	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Bromomethane	ND	500	ug/Kg	1.00	07/24/2001 17:21	
Carbon tetrachloride	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Chlorobenzene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Chloroethane	ND	500	ug/Kg	1.00	07/24/2001 17:21	
2-Butanone(MEK)	ND	25000	ug/Kg	1.00	07/24/2001 17:21	
2-Chloroethylvinyl ether	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Chloroform	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Chloromethane	ND	500	ug/Kg	1.00	07/24/2001 17:21	
Dibromochloromethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,2-Dichlorobenzene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,3-Dichlorobenzene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,4-Dichlorobenzene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,3-Dichloropropane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
2,2-Dichloropropane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,1-Dichloropropene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,2-Dibromo-3-chloropropane	ND	2500	ug/Kg	1.00	07/24/2001 17:21	
1,2-Dibromoethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Dibromomethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Dichlorodifluoromethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,1-Dichloroethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,2-Dichloroethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,1-Dichloroethene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
cis-1,2-Dichloroethene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
trans-1,2-Dichloroethene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,2-Dichloropropane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
cis-1,3-Dichloropropene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
trans-1,3-Dichloropropene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Ethylbenzene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Hexachlorobutadiene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
2-Hexanone	ND	25000	ug/Kg	1.00	07/24/2001 17:21	
Methylene chloride	ND	2500	ug/L	1.00	07/24/2001 17:21	
4-Methyl-2-pentanone (MIBK)	ND	25000	ug/Kg	1.00	07/24/2001 17:21	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile Organic Compounds by 8260B (High Level)

Sample ID:	**SW 8.0**	Lab Sample ID:	**2001-07-0251-003**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/23/2001 11:30
Sampled:	07/13/2001 08:43	QC-Batch:	2001/07/24-01.39
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Naphthalene	ND	500	ug/Kg	1.00	07/24/2001 17:21	
Styrene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Tetrachloroethene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Toluene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,1,1-Trichloroethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,1,2-Trichloroethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Trichloroethene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Vinyl acetate	ND	2500	ug/Kg	1.00	07/24/2001 17:21	
Vinyl chloride	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Total xylenes	ND	500	ug/Kg	1.00	07/24/2001 17:21	
Trichlorotrifluoroethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Carbon disulfide	ND	500	ug/Kg	1.00	07/24/2001 17:21	
Isopropylbenzene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Bromobenzene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Bromochloromethane	ND	250	ug/Kg	1.00	07/24/2001 17:21	
Trichlorofluoromethane	ND	1000	ug/Kg	1.00	07/24/2001 17:21	
1,2,3-Trichlorobenzene	ND	500	ug/Kg	1.00	07/24/2001 17:21	
1,2,4-Trichlorobenzene	ND	600	ug/Kg	1.00	07/24/2001 17:21	
1,2,4-Trimethylbenzene	340	250	ug/Kg	1.00	07/24/2001 17:21	
1,3,5-Trimethylbenzene	360	250	ug/Kg	1.00	07/24/2001 17:21	
2-Chlorotoluene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
4-Chlorotoluene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
n-Butylbenzene	370	250	ug/Kg	1.00	07/24/2001 17:21	
n-Propylbenzene	460	250	ug/Kg	1.00	07/24/2001 17:21	
p-Isopropyltoluene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
sec-Butylbenzene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
tert-Butylbenzene	ND	250	ug/Kg	1.00	07/24/2001 17:21	
MTBE	ND	2500	ug/L	1.00	07/24/2001 17:21	
Surrogate(s)						
4-Bromofluorobenzene	83.2	74-121	%	200.00	07/24/2001 17:21	
1,2-Dichloroethane-d4	106.8	70-121	%	200.00	07/24/2001 17:21	
Toluene-d8	96.3	81-117	%	200.00	07/24/2001 17:21	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile Organic Compounds by 8260B (High Level)

Sample ID:	**SE 9.0**	Lab Sample ID:	**2001-07-0251-004**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/23/2001 11:30
Sampled:	07/13/2001 08:35	QC-Batch:	2001/07/24-01.39
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50000	ug/Kg	2.00	07/24/2001 17:58	
Benzene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Bromodichloromethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Bromoform	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Bromomethane	ND	1000	ug/Kg	2.00	07/24/2001 17:58	
Carbon tetrachloride	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Chlorobenzene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Chloroethane	ND	1000	ug/Kg	2.00	07/24/2001 17:58	
2-Butanone(MEK)	ND	50000	ug/Kg	2.00	07/24/2001 17:58	
2-Chloroethylvinyl ether	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Chloroform	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Chloromethane	ND	1000	ug/Kg	2.00	07/24/2001 17:58	
Dibromochloromethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,2-Dichlorobenzene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,3-Dichlorobenzene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,4-Dichlorobenzene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,3-Dichloropropane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
2,2-Dichloropropane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,1-Dichloropropene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,2-Dibromo-3-chloropropane	ND	5000	ug/Kg	2.00	07/24/2001 17:58	
1,2-Dibromoethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Dibromomethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Dichlorodifluoromethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,1-Dichloroethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,2-Dichloroethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,1-Dichloroethene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
cis-1,2-Dichloroethene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
trans-1,2-Dichloroethene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,2-Dichloropropane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
cis-1,3-Dichloropropene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
trans-1,3-Dichloropropene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Ethylbenzene	2400	500	ug/Kg	2.00	07/24/2001 17:58	
Hexachlorobutadiene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
2-Hexanone	ND	50000	ug/Kg	2.00	07/24/2001 17:58	
Methylene chloride	ND	5000	ug/L	2.00	07/24/2001 17:58	
4-Methyl-2-pentanone (MIBK)	ND	50000	ug/Kg	2.00	07/24/2001 17:58	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Volatile Organic Compounds by 8260B (High Level)

Sample ID:	**SE 9.0**	Lab Sample ID:	**2001-07-0251-004**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/23/2001 11:30
Sampled:	07/13/2001 08:35	QC-Batch:	2001/07/24-01.39
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Naphthalene	5300	1000	ug/Kg	2.00	07/24/2001 17:58	
Styrene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,1,2,2-Tetrachloroethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Tetrachloroethene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Toluene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,1,1-Trichloroethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,1,2-Trichloroethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Trichloroethene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
1,1,1,2-Tetrachloroethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Vinyl acetate	ND	5000	ug/Kg	2.00	07/24/2001 17:58	
Vinyl chloride	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Total xylenes	4400	1000	ug/Kg	2.00	07/24/2001 17:58	
Trichlorotrifluoroethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Carbon disulfide	ND	1000	ug/Kg	2.00	07/24/2001 17:58	
Isopropylbenzene	2500	500	ug/Kg	2.00	07/24/2001 17:58	
Bromobenzene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Bromochloromethane	ND	500	ug/Kg	2.00	07/24/2001 17:58	
Trichlorofluoromethane	ND	2000	ug/Kg	2.00	07/24/2001 17:58	
1,2,3-Trichlorobenzene	ND	1000	ug/Kg	2.00	07/24/2001 17:58	
1,2,4-Trichlorobenzene	ND	1200	ug/Kg	2.00	07/24/2001 17:58	
1,2,4-Trimethylbenzene	6400	500	ug/Kg	2.00	07/24/2001 17:58	
1,3,5-Trimethylbenzene	4100	500	ug/Kg	2.00	07/24/2001 17:58	
2-Chlorotoluene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
4-Chlorotoluene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
n-Butylbenzene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
n-Propylbenzene	10000	500	ug/Kg	2.00	07/24/2001 17:58	
p-Isopropyltoluene	520	500	ug/Kg	2.00	07/24/2001 17:58	
sec-Butylbenzene	1800	500	ug/Kg	2.00	07/24/2001 17:58	
tert-Butylbenzene	ND	500	ug/Kg	2.00	07/24/2001 17:58	
MTBE	ND	5000	ug/L	2.00	07/24/2001 17:58	
Surrogate(s)						
4-Bromofluorobenzene	84.7	74-121	%	400.00	07/24/2001 17:58	
1,2-Dichloroethane-d4	112.7	70-121	%	400.00	07/24/2001 17:58	
Toluene-d8	99.8	81-117	%	400.00	07/24/2001 17:58	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Batch QC Report
Volatile Organic Compounds by 8260B (HIgh Level)

Method Blank | **Soil** | **QC Batch # 2001/07/24-01.39**

MB: 2001/07/24-01.39-005 | Date Extracted: 07/23/2001 11:30

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	25000	ug/Kg	07/24/2001 12:54	
Benzene	ND	250	ug/Kg	07/24/2001 12:54	
Bromodichloromethane	ND	250	ug/Kg	07/24/2001 12:54	
Bromoform	ND	250	ug/Kg	07/24/2001 12:54	
Bromomethane	ND	500	ug/Kg	07/24/2001 12:54	
Carbon tetrachloride	ND	250	ug/Kg	07/24/2001 12:54	
Chlorobenzene	ND	250	ug/Kg	07/24/2001 12:54	
Chloroethane	ND	500	ug/Kg	07/24/2001 12:54	
2-Butanone(MEK)	ND	25000	ug/Kg	07/24/2001 12:54	
2-Chloroethylvinyl ether	ND	250	ug/Kg	07/24/2001 12:54	
Chloroform	ND	250	ug/Kg	07/24/2001 12:54	
Chloromethane	ND	500	ug/Kg	07/24/2001 12:54	
Dibromochloromethane	ND	250	ug/Kg	07/24/2001 12:54	
1,2-Dichlorobenzene	ND	250	ug/Kg	07/24/2001 12:54	
1,3-Dichlorobenzene	ND	250	ug/Kg	07/24/2001 12:54	
1,4-Dichlorobenzene	ND	250	ug/Kg	07/24/2001 12:54	
1,3-Dichloropropane	ND	250	ug/Kg	07/24/2001 12:54	
2,2-Dichloropropane	ND	250	ug/Kg	07/24/2001 12:54	
1,1-Dichloropropene	ND	250	ug/Kg	07/24/2001 12:54	
1,2-Dibromo-3-chloropropane	ND	2500	ug/Kg	07/24/2001 12:54	
1,2-Dibromoethane	ND	250	ug/Kg	07/24/2001 12:54	
Dibromomethane	ND	250	ug/Kg	07/24/2001 12:54	
Dichlorodifluoromethane	ND	250	ug/Kg	07/24/2001 12:54	
1,1-Dichloroethane	ND	250	ug/Kg	07/24/2001 12:54	
1,2-Dichloroethane	ND	250	ug/Kg	07/24/2001 12:54	
1,1-Dichloroethene	ND	250	ug/Kg	07/24/2001 12:54	
cis-1,2-Dichloroethene	ND	250	ug/Kg	07/24/2001 12:54	
trans-1,2-Dichloroethene	ND	250	ug/Kg	07/24/2001 12:54	
1,2-Dichloropropane	ND	250	ug/Kg	07/24/2001 12:54	
cis-1,3-Dichloropropene	ND	250	ug/Kg	07/24/2001 12:54	
trans-1,3-Dichloropropene	ND	250	ug/Kg	07/24/2001 12:54	
Ethylbenzene	ND	250	ug/Kg	07/24/2001 12:54	
Hexachlorobutadiene	ND	500	ug/Kg	07/24/2001 12:54	Irc
2-Hexanone	ND	25000	ug/Kg	07/24/2001 12:54	
Methylene chloride	ND	2500	ug/L	07/24/2001 12:54	
4-Methyl-2-pentanone (MIBK)	ND	25000	ug/Kg	07/24/2001 12:54	
Naphthalene	ND	500	ug/Kg	07/24/2001 12:54	Irc
Styrene	ND	250	ug/Kg	07/24/2001 12:54	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	07/24/2001 12:54	
Tetrachloroethene	ND	250	ug/Kg	07/24/2001 12:54	
Toluene	ND	250	ug/Kg	07/24/2001 12:54	
1,1,1-Trichloroethane	ND	250	ug/Kg	07/24/2001 12:54	
1,1,2-Trichloroethane	ND	250	ug/Kg	07/24/2001 12:54	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Batch QC Report
Volatile Organic Compounds by 8260B (High Level)

Method Blank | **Soil** | **QC Batch # 2001/07/24-01.39**

MB: 2001/07/24-01.39-005 | Date Extracted: 07/23/2001 11:30

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Trichloroethene	ND	250	ug/Kg	07/24/2001 12:54	
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	07/24/2001 12:54	
Vinyl acetate	ND	2500	ug/Kg	07/24/2001 12:54	
Vinyl chloride	ND	250	ug/Kg	07/24/2001 12:54	
Total xylenes	ND	500	ug/Kg	07/24/2001 12:54	
Trichlorotrifluoroethane	ND	250	ug/Kg	07/24/2001 12:54	
Carbon disulfide	ND	500	ug/Kg	07/24/2001 12:54	
Isopropylbenzene	ND	250	ug/Kg	07/24/2001 12:54	
Bromobenzene	ND	250	ug/Kg	07/24/2001 12:54	
Bromochloromethane	ND	250	ug/Kg	07/24/2001 12:54	
Trichlorofluoromethane	ND	1000	ug/Kg	07/24/2001 12:54	
1,2,3-Trichlorobenzene	ND	500	ug/Kg	07/24/2001 12:54	Irc
1,2,4-Trichlorobenzene	ND	600	ug/Kg	07/24/2001 12:54	Irc
1,2,4-Trimethylbenzene	ND	250	ug/Kg	07/24/2001 12:54	
1,3,5-Trimethylbenzene	ND	250	ug/Kg	07/24/2001 12:54	
2-Chlorotoluene	ND	250	ug/Kg	07/24/2001 12:54	
4-Chlorotoluene	ND	250	ug/Kg	07/24/2001 12:54	
n-Butylbenzene	ND	250	ug/Kg	07/24/2001 12:54	
n-Propylbenzene	ND	250	ug/Kg	07/24/2001 12:54	
p-Isopropyltoluene	ND	250	ug/Kg	07/24/2001 12:54	
sec-Butylbenzene	ND	250	ug/Kg	07/24/2001 12:54	
tert-Butylbenzene	ND	250	ug/Kg	07/24/2001 12:54	
MTBE	ND	2500	ug/L	07/24/2001 12:54	
Surrogate(s)					
4-Bromofluorobenzene	81.9	74-121	%	07/24/2001 12:54	
1,2-Dichloroethane-d4	93.5	70-121	%	07/24/2001 12:54	
Toluene-d8	86.0	81-117	%	07/24/2001 12:54	

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 8260B
Prep Method: 5035

Batch QC Report

Volatile Organic Compounds by 8260B (High Level)

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/24-01.39**

LCS: 2001/07/24-01.39-003 Extracted: 07/23/2001 11:30 Analyzed 07/24/2001 11:30
LCSD: 2001/07/24-01.39-004 Extracted: 07/23/2001 11:30 Analyzed 07/24/2001 12:17

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	9420	10300	10000	10000	94.2	103.0	8.9	69-129	20		
Chlorobenzene	9880	11100	10000	10000	98.8	111.0	11.6	61-121	20		
1,1-Dichloroethene	9060	9540	10000	10000	90.6	95.4	5.2	65-125	20		
Toluene	9030	9530	10000	10000	90.3	95.3	5.4	70-130	20		
Trichloroethene	9110	9880	10000	10000	91.1	98.8	8.1	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	232	223	250	250	92.8	89.2		74-121			
1,2-Dichloroethane-d4	241	251	250	250	96.4	100.4		70-121			
Toluene-d8	243	234	250	250	97.2	93.6		81-117			

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-07-0251

Diesel with Silica Gel Clean-up

Erler and Kalinowski, Inc.

1870 Ogden Drive
Burlingame, CA 94010-5306

Attn: Paul Hoffey

Phone: (650) 292-9100 Fax: (650) 552-9012

Project #: A10034.00

Project: 1970 Seminary Ave.

Site: Hydraulic Excavation

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
SP-WEST	Soil	07/13/2001	6
SP-EAST	Soil	07/13/2001	7

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

Diesel with Silica Gel Clean-up

Sample ID:	**SP-WEST**	Lab Sample ID:	**2001-07-0251-006**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 07:13
Sampled:	07/13/2001	QC-Batch:	2001/07/17-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	240	10	mg/Kg	10.00	07/18/2001 07:37	ndp
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	07/18/2001 07:37	sd

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

Diesel with Silica Gel Clean-up

Sample ID:	**SP-EAST**	Lab Sample ID:	**2001-07-0251-007**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 07:13
Sampled:	07/13/2001	QC-Batch:	2001/07/17-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	73	1.0	mg/Kg	1.00	07/17/2001 20:37	ndp
Surrogate(s)						
o-Terphenyl	80.7	60-130	%	1.00	07/17/2001 20:37	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

Batch QC Report
Diesel with Silica Gel Clean-up

Method Blank | **Soil** | **QC Batch # 2001/07/17-01.10**

MB: 2001/07/17-01.10-001 | Date Extracted: 07/17/2001 07:13

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	07/17/2001 16:12	
Surrogate(s)					
o-Terphenyl	81.5	60-130	%	07/17/2001 16:12	

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

Batch QC Report

Diesel with Silica Gel Clean-up

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/17-01.10**

LCS: 2001/07/17-01.10-002 Extracted: 07/17/2001 07:13 Analyzed 07/17/2001 14:56
LCSD: 2001/07/17-01.10-003 Extracted: 07/17/2001 07:13 Analyzed 07/17/2001 15:34

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	30.9	29.5	41.7	41.7	74.1	70.7	4.7	60-130	25		
Surrogate(s)											
o-Terphenyl	17.3	16.8	20.0	20.0	86.5	84.0		60-130			

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

Legend & Notes

Diesel with Silica Gel Clean-up

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

Gasoline

Erler and Kalinowski, Inc.

1870 Ogden Drive
Burlingame, CA 94010-5306

Attn: Paul Hoffey

Phone: (650) 292-9100 Fax: (650) 552-9012

Project #: A10034.00

Project: 1970 Seminary Ave.

Site: Hydraulic Excavation

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
BOTTOM 9.5	Soil	07/13/2001 08:31	5

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 5035

Gasoline

Sample ID:	**BOTTOM 9.5**	Lab Sample ID:	**2001-07-0251-005**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 19:15
Sampled:	07/13/2001 08:31	QC-Batch:	2001/07/17-01.04
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	07/17/2001 19:15	
Surrogate(s)						
4-Bromofluorobenzene-FID	63.8	58-124	%	1.00	07/17/2001 19:15	

To: **Erler and Kalinowski, Inc.**

Attn.: Paul Hoffey

Test Method: 8015M
8021B

Prep Method: 5035

Batch QC Report
Gasoline

Method Blank | **Soil** | **QC Batch # 2001/07/17-01.04**

MB: 2001/07/17-01.04-003

Date Extracted: 07/17/2001 11:39

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	07/17/2001 11:39	
Surrogate(s)					
4-Bromofluorobenzene-FID	69.3	58-124	%	07/17/2001 11:39	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-07-0251

To: **Erler and Kalinowski, Inc.**

Attn: Paul Hoffey

Test Method: 8015M

Prep Method: 5035

Batch QC Report

Gasoline

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/17-01.04**

LCS: 2001/07/17-01.04-006 Extracted: 07/17/2001 13:03 Analyzed 07/17/2001 13:03

LCSD: 2001/07/17-01.04-007 Extracted: 07/17/2001 13:31 Analyzed 07/17/2001 13:31

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	0.462	0.471	0.500	0.500	92.4	94.2	1.9	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene-FI	361	377	500	500	72.2	75.4		58-124			

Gas/BTEX Compounds (High Level)

Erler and Kalinowski, Inc.

1870 Ogden Drive
Burlingame, CA 94010-5306

Attn: Paul Hoffey

Phone: (650) 292-9100 Fax: (650) 552-9012

Project #: A10034.00

Project: 1970 Seminary Ave.

Site: Hydraulic Excavation

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
NW 8.5	Soil	07/13/2001 08:29	1
NE 8.5	Soil	07/13/2001 08:37	2
SW 8.0	Soil	07/13/2001 08:43	3
SE 9.0	Soil	07/13/2001 08:35	4

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 5030

Gas/BTEX Compounds (High Level)

Sample ID:	**NW 8.5**	Lab Sample ID:	**2001-07-0251-001**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 12:19
Sampled:	07/13/2001 08:29	QC-Batch:	2001/07/18-05.04
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	82	10	mg/Kg	1.00	07/18/2001 12:19	g
Surrogate(s)						
4-Bromofluorobenzene-FID	88.1	58-124	%	1.00	07/18/2001 12:19	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 5030

Gas/BTEX Compounds (High Level)

Sample ID:	**NE 8.5**	Lab Sample ID:	**2001-07-0251-002**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 12:47
Sampled:	07/13/2001 08:37	QC-Batch:	2001/07/18-05.04
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	110	10	mg/Kg	1.00	07/18/2001 12:47	g
Surrogate(s)						
4-Bromofluorobenzene-FID	84.9	58-124	%	1.00	07/18/2001 12:47	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 5030

Gas/BTEX Compounds (High Level)

Sample ID:	**SW 8.0**	Lab Sample ID:	**2001-07-0251-003**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/18/2001 22:57
Sampled:	07/13/2001 08:43	QC-Batch:	2001/07/19-05.04
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	47	10	mg/Kg	1.00	07/18/2001 22:57	g
Surrogate(s)						
4-Bromofluorobenzene-FID	66.4	58-124	%	1.00	07/18/2001 22:57	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 5030

Gas/BTEX Compounds (High Level)

Sample ID:	**SE 9.0**	Lab Sample ID:	**2001-07-0251-004**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 14:22
Sampled:	07/13/2001 08:35	QC-Batch:	2001/07/18-05.04
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	490	50	mg/Kg	5.00	07/18/2001 14:22	g
Surrogate(s)						
4-Bromofluorobenzene-FID	66.3	58-124	%	1.00	07/18/2001 14:22	

To: **Erler and Kalinowski, Inc.**

Attn.: Paul Hoffey

Test Method: 8015M
8020

Prep Method: 5030AEXT

Batch QC Report

Gas/BTEX Compounds (High Level)

Method Blank | **Soil** | **QC Batch # 2001/07/18-05.04**

MB: 2001/07/18-05.04-001

Date Extracted: 07/18/2001 10:55

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	10	mg/Kg	07/18/2001 10:55	
Surrogate(s)					
4-Bromofluorobenzene-FID	90.2	58-124	%	07/18/2001 10:55	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 5030AEXT

Batch QC Report
Gas/BTEX Compounds (High Level)

Method Blank | **Soil** | **QC Batch # 2001/07/19-05.04**

MB: 2001/07/19-05.04-001 | Date Extracted: 07/18/2001 20:37

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	10	mg/Kg	07/18/2001 20:37	
Surrogate(s)					
4-Bromofluorobenzene-FID	73.2	58-124	%	07/18/2001 20:37	

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 8015M
Prep Method: 5030AEXT

Batch QC Report

Gas/BTEX Compounds (High Level)

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/18-05.04**

LCS: 2001/07/18-05.04-002 Extracted: 07/18/2001 11:23 Analyzed 07/18/2001 11:23
LCSD: 2001/07/18-05.04-003 Extracted: 07/18/2001 11:51 Analyzed 07/18/2001 11:51

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	0.743	0.766	0.625	0.625	118.9	122.6	3.1	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene-FI	400	394	500	500	80.0	78.8		58-124			

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-07-0251

To: **Erler and Kalinowski, Inc.**

Attn: Paul Hoffey

Test Method: 8015M

Prep Method: 5030AEXT

Batch QC Report

Gas/BTEX Compounds (High Level)

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/19-05.04**

LCS: 2001/07/19-05.04-002 Extracted: 07/18/2001 22:01 Analyzed 07/18/2001 22:01

LCSD: 2001/07/19-05.04-003 Extracted: 07/18/2001 22:29 Analyzed 07/18/2001 22:29

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	0.493	0.506	0.625	0.625	78.9	81.0	2.6	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene-FI	324	339	500	500	64.8	67.8		58-124			

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 8015M
Prep Method: 5030

Legend & Notes

Gas/BTEX Compounds (High Level)

Analyte Flags

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Metals

Erler and Kalinowski, Inc.

Attn: Paul Hoffey

Project #: A10034.00

Site: Hydraulic Excavation

1870 Ogden Drive
Burlingame, CA 94010-5306

Phone: (650) 292-9100 Fax: (650) 552-9012

Project: 1970 Seminary Ave.

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
NW 8.5	Soil	07/13/2001 08:29	1
NE 8.5	Soil	07/13/2001 08:37	2
SW 8.0	Soil	07/13/2001 08:43	3
SE 9.0	Soil	07/13/2001 08:35	4
BOTTOM 9.5	Soil	07/13/2001 08:31	5

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 6010B
Prep Method: 3050B

Metals

Sample ID:	**NW 8.5**	Lab Sample ID:	**2001-07-0251-001**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/18/2001 07:00
Sampled:	07/13/2001 08:29	QC-Batch:	2001/07/18-04.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	1.00	07/18/2001 13:43	
Chromium	27	1.0	mg/Kg	1.00	07/18/2001 13:43	
Lead	4.9	1.0	mg/Kg	1.00	07/18/2001 13:43	
Nickel	46	1.0	mg/Kg	1.00	07/18/2001 13:43	
Zinc	51	1.0	mg/Kg	1.00	07/18/2001 13:43	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 6010B
Prep Method: 3050B

Metals

Sample ID:	**NE 8.5**	Lab Sample ID:	**2001-07-0251-002**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/18/2001 07:00
Sampled:	07/13/2001 08:37	QC-Batch:	2001/07/18-04.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	1.00	07/18/2001 13:47	
Chromium	34	1.0	mg/Kg	1.00	07/18/2001 13:47	
Lead	5.3	1.0	mg/Kg	1.00	07/18/2001 13:47	
Nickel	58	1.0	mg/Kg	1.00	07/18/2001 13:47	
Zinc	38	1.0	mg/Kg	1.00	07/18/2001 13:47	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 6010B
Prep Method: 3050B

Metals

Sample ID:	**SW 8.0**	Lab Sample ID:	**2001-07-0251-003**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/18/2001 07:00
Sampled:	07/13/2001 08:43	QC-Batch:	2001/07/18-04.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	1.00	07/18/2001 13:51	
Chromium	25	1.0	mg/Kg	1.00	07/18/2001 13:51	
Lead	5.3	1.0	mg/Kg	1.00	07/18/2001 13:51	
Nickel	57	1.0	mg/Kg	1.00	07/18/2001 13:51	
Zinc	47	1.0	mg/Kg	1.00	07/18/2001 13:51	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-07-0251

To: **Erler and Kalinowski, Inc.**

Attn.: Paul Hoffey

Test Method: 6010B

Prep Method: 3050B

Metals

Sample ID:	**SE 9.0**	Lab Sample ID:	**2001-07-0251-004**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/18/2001 07:00
Sampled:	07/13/2001 08:35	QC-Batch:	2001/07/18-04.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	0.55	0.50	mg/Kg	1.00	07/18/2001 17:51	
Chromium	46	1.0	mg/Kg	1.00	07/18/2001 17:51	
Lead	13	1.0	mg/Kg	1.00	07/18/2001 17:51	
Nickel	99	1.0	mg/Kg	1.00	07/18/2001 17:51	
Zinc	64	1.0	mg/Kg	1.00	07/18/2001 17:51	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 6010B
Prep Method: 3050B

Metals

Sample ID:	**BOTTOM 9.5**	Lab Sample ID:	**2001-07-0251-005**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/18/2001 09:16
Sampled:	07/13/2001 08:31	QC-Batch:	2001/07/18-05.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	1.00	07/20/2001 17:54	
Chromium	31	1.0	mg/Kg	1.00	07/20/2001 17:54	
Lead	3.1	1.0	mg/Kg	1.00	07/20/2001 17:54	
Nickel	47	1.0	mg/Kg	1.00	07/20/2001 17:54	
Zinc	22	1.0	mg/Kg	1.00	07/20/2001 17:54	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 6010B
Prep Method: 3050B

Batch QC Report
Metals

Method Blank | **Soil** | **QC Batch # 2001/07/18-04.15**

MB: 2001/07/18-04.15-011

Date Extracted: 07/18/2001 07:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	07/18/2001 12:16	
Chromium	ND	1.0	mg/Kg	07/18/2001 12:16	
Lead	ND	1.0	mg/Kg	07/18/2001 12:16	
Nickel	ND	1.0	mg/Kg	07/18/2001 12:16	
Zinc	ND	1.0	mg/Kg	07/18/2001 12:16	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 6010B
Prep Method: 3050B

Batch QC Report
Metals

Method Blank | **Soil** | **QC Batch # 2001/07/18-05.15**

MB: 2001/07/18-05.15-022 | Date Extracted: 07/18/2001 09:16

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	07/20/2001 16:04	
Chromium	ND	1.0	mg/Kg	07/20/2001 16:04	
Lead	ND	1.0	mg/Kg	07/20/2001 16:04	
Nickel	ND	1.0	mg/Kg	07/20/2001 16:04	
Zinc	ND	1.0	mg/Kg	07/20/2001 16:04	

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 6010B
Prep Method: 3050B

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/18-04.15**

LCS: 2001/07/18-04.15-012 Extracted: 07/18/2001 07:00 Analyzed 07/18/2001 12:20
LCSD: 2001/07/18-04.15-013 Extracted: 07/18/2001 07:00 Analyzed 07/18/2001 12:24

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Cadmium	90.0	92.4	100.0	100.0	90.0	92.4	2.6	80-120	20		
Chromium	90.9	92.7	100.0	100.0	90.9	92.7	2.0	80-120	20		
Lead	88.1	91.3	100.0	100.0	88.1	91.3	3.6	80-120	20		
Nickel	89.7	91.7	100.0	100.0	89.7	91.7	2.2	80-120	20		
Zinc	91.3	94.1	100.0	100.0	91.3	94.1	3.0	80-120	20		

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 6010B
Prep Method: 3050B

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/18-05.15**

LCS: 2001/07/18-05.15-023 Extracted: 07/18/2001 09:16 Analyzed 07/20/2001 16:08
LCSD: 2001/07/18-05.15-024 Extracted: 07/18/2001 09:16 Analyzed 07/20/2001 16:12

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Cadmium	90.5	90.1	100.0	100.0	90.5	90.1	0.4	80-120	20		
Chromium	90.6	90.3	100.0	100.0	90.6	90.3	0.3	80-120	20		
Lead	90.4	90.5	100.0	100.0	90.4	90.5	0.1	80-120	20		
Nickel	90.6	90.5	100.0	100.0	90.6	90.5	0.1	80-120	20		
Zinc	91.5	90.3	100.0	100.0	91.5	90.3	1.3	80-120	20		

PCBs

Erler and Kalinowski, Inc.

Attn: Paul Hoffey

Project #: A10034.00

Site: Hydraulic Excavation

1870 Ogden Drive
Burlingame, CA 94010-5306

Phone: (650) 292-9100 Fax: (650) 552-9012

Project: 1970 Seminary Ave.

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
SP-WEST	Soil	07/13/2001	6
SP-EAST	Soil	07/13/2001	7

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8082
Prep Method: 3550/8082

PCBs

Sample ID:	**SP-WEST**	Lab Sample ID:	**2001-07-0251-006**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 06:45
Sampled:	07/13/2001	QC-Batch:	2001/07/17-01.14
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Aroclor 1016	ND	0.050	mg/Kg	1.00	07/17/2001 15:44	
Aroclor 1221	ND	0.050	mg/Kg	1.00	07/17/2001 15:44	
Aroclor 1232	ND	0.050	mg/Kg	1.00	07/17/2001 15:44	
Aroclor 1242	ND	0.050	mg/Kg	1.00	07/17/2001 15:44	
Aroclor 1248	ND	0.050	mg/Kg	1.00	07/17/2001 15:44	
Aroclor 1254	ND	0.050	mg/Kg	1.00	07/17/2001 15:44	
Aroclor 1260	ND	0.050	mg/Kg	1.00	07/17/2001 15:44	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	68.7	50-125	%	1.00	07/17/2001 15:44	
Decachlorobiphenyl (PCB/8082)	58.5	46-142	%	1.00	07/17/2001 15:44	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8082
Prep Method: 3550/8082

PCBs

Sample ID:	**SP-EAST**	Lab Sample ID:	**2001-07-0251-007**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 06:45
Sampled:	07/13/2001	QC-Batch:	2001/07/17-01.14
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Aroclor 1016	ND	0.050	mg/Kg	1.00	07/17/2001 16:17	
Aroclor 1221	ND	0.050	mg/Kg	1.00	07/17/2001 16:17	
Aroclor 1232	ND	0.050	mg/Kg	1.00	07/17/2001 16:17	
Aroclor 1242	ND	0.050	mg/Kg	1.00	07/17/2001 16:17	
Aroclor 1248	ND	0.050	mg/Kg	1.00	07/17/2001 16:17	
Aroclor 1254	ND	0.050	mg/Kg	1.00	07/17/2001 16:17	
Aroclor 1260	ND	0.050	mg/Kg	1.00	07/17/2001 16:17	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	68.2	50-125	%	1.00	07/17/2001 16:17	
Decachlorobiphenyl (PCB/8082)	58.3	46-142	%	1.00	07/17/2001 16:17	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8082
Prep Method: 3550/8082

Batch QC Report
PCBs

Method Blank | **Soil** | **QC Batch # 2001/07/17-01.14**

MB: 2001/07/17-01.14-001 | Date Extracted: 07/17/2001 06:45

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Aroclor 1016	ND	0.05	mg/Kg	07/17/2001 15:11	
Aroclor 1221	ND	0.05	mg/Kg	07/17/2001 15:11	
Aroclor 1232	ND	0.05	mg/Kg	07/17/2001 15:11	
Aroclor 1242	ND	0.05	mg/Kg	07/17/2001 15:11	
Aroclor 1248	ND	0.05	mg/Kg	07/17/2001 15:11	
Aroclor 1254	ND	0.05	mg/Kg	07/17/2001 15:11	
Aroclor 1260	ND	0.05	mg/Kg	07/17/2001 15:11	
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	71.0	50-125	%	07/17/2001 15:11	
Decachlorobiphenyl (PCB/8082)	71.8	46-142	%	07/17/2001 15:11	

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 8082
Prep Method: 3550/8082

Batch QC Report

PCBs

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/17-01.14**

LCS: 2001/07/17-01.14-002 Extracted: 07/17/2001 06:45 Analyzed 07/17/2001 15:44
LCSD: 2001/07/17-01.14-003 Extracted: 07/17/2001 06:45 Analyzed 07/17/2001 16:17

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Aroclor 1016	0.0540	0.0550	0.0667	0.0667	81.0	82.5	1.8	65-135	30		
Aroclor 1260	0.0560	0.0570	0.0667	0.0667	84.0	85.5	1.8	65-135	30		
Surrogate(s)											
2,4,5,6-Tetrachloro-m-xyl	37.7	37.2	50	50	75.4	74.4		50-125			
Decachlorobiphenyl	39.2	39.2	50	50	78.4	78.4		46-142			

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-07-0251

To: **Erler and Kalinowski, Inc.**

Attn.: Paul Hoffey

Test Method: 8082

Prep Method: 3550/8082

Batch QC Report

PCBs

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2001/07/17-01.14**

Sample ID: **SP-WEST** Lab Sample ID: 2001-07-0251-006

MS: 2001/07/17-01.14-004 Extracted: 07/17/2001 06:45 Analyzed: 07/17/2001 14:39 Dilution: 1.0

MSD: 2001/07/17-01.14-005 Extracted: 07/17/2001 06:45 Analyzed: 07/17/2001 15:11 Dilution: 1.0

Compound	Conc. [mg/Kg]			Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Aroclor 1016	0.0570	0.0490	ND	0.0665	0.0666	85.7	73.6	15.2	65-135	30		
Aroclor 1260	0.0440	0.0480	ND	0.0665	0.0666	66.2	72.1	8.5	65-135	30		
Surrogate(s)												
2,4,5,6-Tetrachloro-m-xy	32.7	37.0		50	50	65.4	74.0		50-125			
Decachlorobiphenyl	28.0	31.2		50	50	56.0	62.4		46-142			

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-07-0251

TEPH w/ Silica Gel Clean-up

Erler and Kalinowski, Inc.

1870 Ogden Drive
Burlingame, CA 94010-5306

Attn: Paul Hoffey

Phone: (650) 292-9100 Fax: (650) 552-9012

Project #: A10034.00

Project: 1970 Seminary Ave.

Site: Hydraulic Excavation

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
NW 8.5	Soil	07/13/2001 08:29	1
NE 8.5	Soil	07/13/2001 08:37	2
SW 8.0	Soil	07/13/2001 08:43	3
SE 9.0	Soil	07/13/2001 08:35	4
BOTTOM 9.5	Soil	07/13/2001 08:31	5

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

TEPH w/ Silica Gel Clean-up

Sample ID:	**NW 8.5**	Lab Sample ID:	**2001-07-0251-001**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 07:13
Sampled:	07/13/2001 08:29	QC-Batch:	2001/07/17-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	160	5.0	mg/Kg	5.00	07/18/2001 08:14	ndp
Motor Oil	490	250	mg/Kg	5.00	07/18/2001 08:14	
Hydraulic Oil	ND	250	mg/Kg	5.00	07/18/2001 08:14	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	07/18/2001 08:14	sd

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

TEPH w/ Silica Gel Clean-up

Sample ID:	**NE 8.5**	Lab Sample ID:	**2001-07-0251-002**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 07:13
Sampled:	07/13/2001 08:37	QC-Batch:	2001/07/17-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	74	5.0	mg/Kg	5.00	07/18/2001 08:52	ndp
Motor Oil	310	250	mg/Kg	5.00	07/18/2001 08:52	
Hydraulic Oil	ND	250	mg/Kg	5.00	07/18/2001 08:52	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	07/18/2001 08:52	sd

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

TEPH w/ Silica Gel Clean-up

Sample ID:	**SW 8.0**	Lab Sample ID:	**2001-07-0251-003**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 07:13
Sampled:	07/13/2001 08:43	QC-Batch:	2001/07/17-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	200	10	mg/Kg	10.00	07/18/2001 09:30	ndp
Motor Oil	790	500	mg/Kg	10.00	07/18/2001 09:30	
Hydraulic Oil	ND	500	mg/Kg	10.00	07/18/2001 09:30	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	07/18/2001 09:30	sd

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

TEPH w/ Silica Gel Clean-up

Sample ID:	**SE 9.0**	Lab Sample ID:	**2001-07-0251-004**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 07:13
Sampled:	07/13/2001 08:35	QC-Batch:	2001/07/17-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1100	50	mg/Kg	50.00	07/18/2001 08:14	ndp
Motor Oil	3300	2500	mg/Kg	50.00	07/18/2001 08:14	
Hydraulic Oil	ND	2500	mg/Kg	50.00	07/18/2001 08:14	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	50.00	07/18/2001 08:14	sd

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

TEPH w/ Silica Gel Clean-up

Sample ID:	**BOTTOM 9.5**	Lab Sample ID:	**2001-07-0251-005**
Project:	A10034.00 1970 Seminary Ave.	Received:	07/16/2001 18:15
Site:	Hydraulic Excavation	Extracted:	07/17/2001 07:13
Sampled:	07/13/2001 08:31	QC-Batch:	2001/07/17-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	2.1	1.0	mg/Kg	1.00	07/18/2001 07:37	ldr
Motor Oil	ND	50	mg/Kg	1.00	07/18/2001 07:37	
Hydraulic Oil	ND	50	mg/Kg	1.00	07/18/2001 07:37	
Surrogate(s)						
o-Terphenyl	83.5	60-130	%	1.00	07/18/2001 07:37	

To: **Erler and Kalinowski, Inc.**
Attn.: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

Batch QC Report
TEPH w/ Silica Gel Clean-up

Method Blank | **Soil** | **QC Batch # 2001/07/17-01.10**

MB: 2001/07/17-01.10-001

Date Extracted: 07/17/2001 07:13

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	07/17/2001 16:12	
Motor Oil	ND	50	mg/Kg	07/17/2001 16:12	
Hydraulic Oil	ND	50	mg/Kg	07/17/2001 16:12	
Surrogate(s)					
o-Terphenyl	81.5	60-130	%	07/17/2001 16:12	

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

Batch QC Report

TEPH w/ Silica Gel Clean-up

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/17-01.10**

LCS: 2001/07/17-01.10-002 Extracted: 07/17/2001 07:13 Analyzed 07/17/2001 14:56
LCSD: 2001/07/17-01.10-003 Extracted: 07/17/2001 07:13 Analyzed 07/17/2001 15:34

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	30.9	29.5	41.7	41.7	74.1	70.7	4.7	60-130	25		
Surrogate(s)											
o-Terphenyl	17.3	16.8	20.0	20.0	86.5	84.0		60-130			

To: **Erler and Kalinowski, Inc.**
Attn: Paul Hoffey

Test Method: 8015M
Prep Method: 3550/8015M

Legend & Notes

TEPH w/ Silica Gel Clean-up

Analyte Flags

ldr
Hydrocarbon reported is in the late Diesel range, and does not match our Diesel standard

ndp
Hydrocarbon reported does not match the pattern of our Diesel standard

sd
Surrogate recovery not reportable due to required dilution.

Weiss Associates
5801 Christie Avenue, Suite 600
Emeryville, CA 94608-1827

Attn.: Melissa Tumbleson

Attached is our report for your samples received on Thursday July 19, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after September 2, 2001 unless you have requested otherwise. We appreciate the opportunity to be of service to you.
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.
My email address is: asalimpour@chromalab.com

Sincerely,

Afsaneh Salimpour

Afsaneh Salimpour

To: Weiss Associates
Attn.: Melissa Tumbleson

CASE NARRATIVE

General and Sample Comments

We (STL ChromaLab) received 1 Soil samples, on Jul 19 2001 5:20PM.

Total Lead

Weiss Associates

5801 Christie Avenue, Suite 600
Emeryville, CA 94608-1827

Attn: Melissa Tumbleson

Phone: (510) 450-6000 Fax: (510) 547-5043

Project #: 23501530-1

Project:

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
SWL-BIN-001	Soil	07/19/2001	1

To: **Weiss Associates**
Attn.: Melissa Tumbleson

Test Method: 6010B
Prep Method: 3050B

Total Lead

Sample ID:	**SWL-BIN-001**	Lab Sample ID:	**2001-07-0481-001**
Project:	23501530-1	Received:	07/19/2001 17:20
		Extracted:	07/27/2001 10:31
Sampled:	07/19/2001	QC-Batch:	2001/07/27-05.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	55	1.0	mg/Kg	1.00	07/27/2001 18:09	

To: **Weiss Associates**
Attn.: Melissa Tumbleson

Test Method: 6010B
Prep Method: 3050B

Batch QC Report
Total Lead

Method Blank | **Soil** | **QC Batch # 2001/07/27-05.15**

MB: 2001/07/27-05.15-005 | Date Extracted: 07/27/2001 10:31

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	1.0	mg/Kg	07/27/2001 17:11	

To: **Weiss Associates**
Attn: Melissa Tumbleson

Test Method: 6010B
Prep Method: 3050B

Batch QC Report

Total Lead

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/27-05.15**

LCS: 2001/07/27-05.15-006 Extracted: 07/27/2001 10:31 Analyzed 07/27/2001 17:16
LCSD: 2001/07/27-05.15-007 Extracted: 07/27/2001 10:31 Analyzed 07/27/2001 17:20

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	101	93.1	100.0	100.0	101.0	93.1	8.1	80-120	20		

2001-07-0251

CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler & Kalinowski, Inc.

Project Number: A10034.00 Page 1 of 2

Project Name: 1970 SEMINARY AV.

Source of Samples: HYDRAULIC LIFT EXCAVATION

Location: OAKLAND, CA

Analytical Laboratory: CHROMALAB

Date Sampled: 7/13/01

Sampled By: R.D. LION

Report Results To: PAUL HOFFEY

Phone Number: 650-292-9100

Lab Sample I D	Field Sample I D	Sample Type	Number and Type of Containers	Time Collected	Analyses Requested (EPA Method Number)	Results Required By (Date/Time)
	NW 8.5	Soil	1-2x6 SS LINER	08:29	ANALYZE EACH SAMPLE FOR: → EPA 8015M w/SILICA GEL CLEANUP FOR GAS, DIESEL, MOTOR OIL, HYDRAULIC OIL → EPA 8260 for VOCs → EPA 6010 for LUFT METALS: Cd, Cr, Pb, Ni, Zn	10 DAY
	NE 8.5			08:37		
	SW 8.			08:43		
	SE 9.			08:35		
	BOTTOM 9.5			08.31		

Special Instructions:

4.9°C

Relinquished By: Name / Signature / Affiliation	Date	Time	Received By: Name / Signature / Affiliation
Roger Kalinowski RKalinowski EKI	7/16/01	11:00	Denise Harrington / STL-CL 7/16/01 @ 1815

2001-07-0251

CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler & Kalinowski, Inc.

Analytical Laboratory: CHROMALAB

Project Number: EKI A/003400 Page 2 of 2

Date Sampled: 13 July 2001

Project Name: 1970 SEMINARY AV

Sampled By: Roger D. Lion

Source of Samples: STOCKPILES

Report Results To: PAUL HOFFEY

Location: OAKLAND

Phone Number: 650) ~~578-1172~~ 292-9100

Lab Sample I D	Field Sample I D	Sample Type	Number and Type of Containers	Time Collected	Analyses Requested (EPA Method Number)	Results Required By (Date/Time)
	SP-WEST	SOIL	1- 2"x6" S.S. LINER	14:37	COMPOSITE THESE 4 SAMPLES, THEN:	10 DAY
				14:38	→ EPA 8015m w/SILICAGEL - TPHd	
				14:39	→ EPA 8260 for VOCs	
				14:40	→ EPA 8082 PCBs ONLY	
	SP-EAST	SOIL	1- 2"x6" S.S. LINER	14:50	COMPOSITE ~~THESE~~ 4 SAMPLES, THEN:	10 DAY
				14:51	EPA 8015m w/SILICAGEL TPHd	
				14:52	EPA 8260 for VOCs	
				14:53	EPA 8082 PCBs only	

Special Instructions: MAKE 4 POINT SAMPLE ~~BEFORE~~ COMPOSITES BEFORE ANALYSIS

Relinquished By: Signature /Name / Affiliation	Date	Time	Received By: Name / Signature / Affiliation
Roger D. Lion /EKI	7/16/01	11:00	Denise Harrington /STL-CC 7/16/01 @ 1815

APPENDIX D

COPIES OF SOIL STOCKPILE TRANSPORTATION MANIFESTS

1970 Seminary Avenue
Oakland, California

FORWARD
INCORPORATED

9999 South Austin Road / WEIGHING LOCATION — P.O. Box 6336
Manteca, CA 95336 — Stockton, CA 95206
Landfill: (209) 982-4298 / WEIGHING LOCATION — Main Office: (209) 466-4482
Resource Recovery: (209) 982-4936 — Fax: (209) 465-0681

01	82542	
[illegible]		
27 August 2001	1:05 pm	
27 August 2001	1:33 pm	
GRIF 42		
	OAKLAND	

7001056
CORNERSTONE ENV. CONST.
RANDY FOWLER
3527 MT. DIABLO BLVD., SUITE 200
LAFAYETTE, CA 945497009
Contract: 1056#

00 Gross Weight 58,260.00 LB — Inbound - SCALE TICKET
Tare Weight 30,960.00 LB
Net Weight 27,300.00 LB 13.65 TN

QTY	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	
13.65	TN	11	CLASS II SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

D2001 MANIFEST #86131

DRIVER'S SIGNATURE

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: GRANT FAMILY TRUST

MAILING ADDRESS: 945 S. LEHIGH DRIVE

CITY, STATE, ZIP: ANAHEIM HILLS, CA. 92807

PHONE: (714) 282-7475

CONTACT PERSON: ANGELA CAMARILLO

SIGNATURE OF AUTHORIZED AGENT/TITLE: * [signature] AUTHORIZED AGENT — DATE: 8-22-01

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☒ DISPOSAL
- ☒ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 4970 SEMINARY AVE. OAKLAND CA.

WASTE ACCEPTANCE NO.: 10586

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARDHAT
☐ TYVEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: ROBINSON & ROBINSON TRUCKING

ADDRESS: 801 ROTH ROAD

CITY, STATE, ZIP: FRENCH CAMP, CA. 95231

PHONE: (209) 982-5423

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] — DATE: 8-27-01

NOTES: VEHICLE LICENSE NUMBER: 747058X — TRUCK NUMBER: 62

END DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☒
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature] — DATE: 8/27

CUBIC YARDS:

DISPOSAL METHOD (TO BE COMPLETED BY LANDFILL):

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL. ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 36131

FORWARD
INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4986
P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

CORNERSTONE ENV. CONST.
RANDY FOWLER
3527 MT. DIABLO BLVD., SUITE 200
LAFAYETTE, CA 945487009
Contract: 1056#

27 August 2001
27 August 2001
ORIF 821
OAKLAND

Inbound - SCALE TICKET

Gross Weight 73,660.00 LB
Tare Weight 31,320.00 LB
Net Weight 42,340.00 LB 21.17 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION		
21.17	TN	11 CLASS II SOIL				

WEIGHMASTER CERTIFICATE: THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

D2001 MANIFEST #56138

DRIVER'S SIGNATURE

☐ Keller Canyon Sanitary Landfill
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ Ox Mountain Sanitary Landfill
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ Newby Island Sanitary Landfill
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ Forward Landfill
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1909

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Grant Family Trust

MAILING ADDRESS: 945 S. Highland Drive

CITY, STATE, ZIP: Anaheim Hills, CA 92807

PHONE: (714) 282-7975

CONTACT PERSON:

SIGNATURE OF AUTHORIZED AGENT / TITLE: [signature] Authorized Agent — DATE: 8-27-01

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE ACCEPTANCE NO: 1032 –

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TYVEK ☐ OTHER

SPECIAL HANDLING PROCEDURES

WASTE TYPE:
☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY: 1990 Seminary Ave, Oakland, CA

RECEIVING FACILITY

TRANSPORTER: Robinson & Robinson Trucking

ADDRESS: 801 Roth Road

CITY, STATE, ZIP: French Camp, CA 95231

PHONE: (209) 982-5123

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: [signature] — DATE: 8/27/01

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
6C6521	G21

END DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☒
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: [signature] — DATE: 8/27/01

CUBIC YARDS

DISPOSAL METHOD — (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL - ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 36132