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20 November 2000
42.25527.0001

City of Santa Fe Springs Fire Department
11300 Greenstone Avenue
City of Santa Fe Springs, CA 90670

Via Overnight Delivery

Attention: Ms. Brenda Nelson

SUBJECT: TRANMITTAL OF SUMMARY REPORT OF SOIL REMEDIATION AT HATHAWAY/JALK FEE LEASE PROPERTY LOCATED AT 10607 NORWALK BOULEVARD, SANTA FE SPRINGS, CALIFORNIA 90607

Dear Ms. Nelson:

On behalf of Hathaway Oil Company we are submitting a copy of the referenced report (dated 17 November 2000) to you and the City of Santa Fe Springs Planning Department for with a request that the City issue a no further action (NFA) letter once additional information is transmitted by Mobil Oil Company's representatives.

The work documented in the referenced report addresses confirmation soil sampling during piping removal, excavation of soil during the abandonment of four oil wells, and demolition of the tank farm and excavation of impacted soil beneath the tank farm. During the excavation of the piping, a number of areas of impacted soil were encountered in the vicinity of Mobil Oil Company piping. It is ATC's understanding that these areas are being characterized and remediated as necessary under Mobil Oil Company's direction. It is also ATC's understanding that these activities will be documented in a separate report to be issued on behalf of Mobil Oil Company.

We would appreciate your timely review of this report and, following review of the Mobil Oil Company's report, issuance of the NFA letter. I will call you next week to address any questions regarding this report. If, in the interim you wish to contact me, please fee free to do so at your convenience. My direct dial telephone number is (714) 505-7053.

Very Truly Yours,
ATC ASSOCIATES INC.

JON R. LOVEGREEN, Certified Engineering Geologist No. EG 1164
Director, Technical Operations

enclosure: One Copy of Summary Report

cc: Mr. Andrew Lazzaretto, City of Santa Fe Springs Planning Department, w/enc.
Mr. Pat Park, Hathaway Oil Company, w/enc.
Mr. Greg Chila, THE ODONNELL GROUP, INC., w/enc.
Ms. Maureen Toumey, Mobil Foundation, w/enc.

17 November 2000

Prepared for:

Hathaway Oil Company
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by:

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SUMMARY REPORT OF SOIL REMEDIATION AT HATHAWAY/JALK FEE LEASE PROPERTY LOCATED AT 10607 NORWALK BOULEVARD, SANTA FE SPRINGS, CALIFORNIA

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SUMMARY REPORT OF SOIL REMEDIATION AT HATHAWAY/JALK FEE LEASE PROPERTY LOCATED AT 10607 NORWALK BOULEVARD, SANTA FE SPRINGS, CALIFORNIA

1.0 INTRODUCTION

This report summarizes the results of soil remediation activities conducted for the Hathaway Oil Company (Hathaway) at the Jalk Fee Lease, located at 10607 Norwalk Boulevard in Santa Fe Springs, Los Angeles County, California (**Figure 1**). At the time of the assessment, the site was an undeveloped oil-field property located on the west side of Norwalk Boulevard north of Florence Avenue. The assessment was conducted by ATC Associates Inc. (ATC) in response to the request and written authorization of Mr. Pat Parks, with Hathaway and in general accordance with the contract dated May 26, 2000, between Hathaway and ATC. The site remediation was initiated on 15 August 2000.

2.0 SITE DESCRIPTION

The site is a former oil field and consists of approximately 8.9 acres of oil-field production land covered with native vegetation (grasses and weeds) and dirt access roads. Prior to the activities described in this report, there were nine oil wells (and related piping) and a tank farm on the site.

It is ATC's understanding that the site in the past was owned and operated by General Petroleum Company and later by Mobil Oil Company. These companies conducted operations at the site. Hathaway has leased the property and conducted oil-field production operations since the 1920s. The Mobil foundation now is the property owner. Mobil Foundation, the Hathaway and THE O'DONNELL GROUP, INC. (O'Donnell) are involved in a pending transaction whereby O'Donnell plans to acquire the property for redevelopment with three, two-story concrete tilt-up warehouse/distribution buildings once remediation has been completed and accepted by all of the appropriate regulatory agencies.

Nine oil wells have operated at the site. Five of the oil production wells previously were abandoned in place by others. In preparation for site redevelopment, the remaining four oil wells were also abandoned in place by others during the site remediation activities described in this report. The abandonment was done by Allenco under contract with the Hathaway with regulatory oversight by the California Division of Oil, Gas, and Geothermal Resources (CADOGGR) and the City of Santa Fe Springs Fire Department (SFSFD).

Piping, ranging in diameter from 2 to 12 inches was located throughout the property. In general, some of the piping on the property's perimeter was used by Hathaway while

piping in the interior portions as well as some of the piping on the perimeter of the site was used by Mobil Oil Company. Both companies used their piping to transport crude oil. As discussed below, Hathaway removed both theirs and Mobil's piping and ATC monitored the piping removal and collected confirmation soil samples for the Hathaway piping and some of the Mobil Oil Company piping. During the conduct of the field activities, Mobil Oil Company elected to have its representatives monitor areas of Mobil Oil Company piping where impacted soil was encountered.

It is ATC's understanding that Mobil Oil Company will further characterize and excavate areas where impacted soil was encountered in Mobil Oil Company piping excavation trenches. Based on information available to ATC, Mobil Oil Company is taking the responsibility for characterizing and remediating (as needed) fifteen of these areas at the site. Nine of these areas are designated as areas M1 through M9. Limited excavation occurred in these areas prior to Mobil Oil Company's taking responsibility for them. With the exception of the ATC-obtained analytical data (from soil samples collected from eight of these areas), these nine areas, shown on Figure 4, are not discussed in detail in this report. In addition, it is ATC's understanding that Mobil Oil Company will further characterize the following areas that had elevated concentrations of petroleum hydrocarbons or volatile organic compounds (VOCs) but were not excavated during monitoring by ATC. These areas are in the vicinity of samples SB36 and SB37 (trench P26), SB39 (trench P20), SB40 (trench P15), SB49 (trench P29), and SB77 (trench P44). The location of these areas is shown on Figures 2A and 2B. It is ATC's understanding that Mobil Oil Company will be reporting on those activities in a separate report.

A tank farm containing twelve aboveground storage tanks (ASTs) occupied the northwest corner of the site and was demolished by Reliable Equipment under contract to Hathaway in September 2000. The soil beneath the former tank farm area was excavated as part of the remediation process. The tank farm excavation backfilling with engineered fill (by others) is pending as of the date of this report.

Five soil stockpiles related to Hathaway piping and the tank farm excavation were present on the site at the time this report was prepared pending off-site disposal. An additional nine soil stockpiles were also present on the site and awaiting disposal by others (presumably Mobil Oil Company).

The surface housings for three groundwater monitoring wells were observed at the site and are being monitored by Mobil Oil Company. These groundwater monitoring wells are designated MMW-3 to MMW-5. It is ATC's understanding that the wells were installed as part of a regional evaluation of groundwater quality. This evaluation is being overseen by the City of Santa Fe Springs and the State of California Regional Water Quality Control Board (RWQCB).

At the time this report was prepared, the site had been cleared of known underground oil piping and debris. The tank farm excavation was in the process of being backfilled by others with engineered fill and one or more Mobil Oil Company excavations were being backfilled under the oversight of Mobil Oil Company representatives. Stockpiled soil

that remained on the site was to be transported to one or more off-site disposal facilities by Hathaway and Mobil Oil Company.

3.0 HYDROGEOLOGIC SETTING

The site is located within the Santa Fe Springs Oil Field on the Santa Fe Springs Plain, which is part of the Montebello Forebay non-pressure area of the Central Basin. Groundwater is found throughout the region under unconfined conditions in the Recent Alluvium and in the Exposition Aquifer. Within the Santa Fe Springs Oil Field, the upper 100 feet of sediments consist of Recent Alluvium, predominantly of permeable sands, with lenses of silty sand and sandy clay, underlain by more than 400 feet of Older Alluvium. Beneath this alluvium is approximately 300 feet of Tertiary sediments, underlain by basement complex, which is considered bedrock for the purposes of this report.

The depth to groundwater present beneath the site in July 1996 was reported to range from 62 to 67 feet bgs and the direction of the groundwater flow was to the southwest (ATC, 2000b).

4.0 REGULATORY STANDARDS

The City of Santa Fe Springs Fire Department (SFSFD) and the City of Santa Fe Springs Planning Department (SFSPLD) have jurisdiction regarding remediation of impacted soil on the site. The SFSFD has taken the lead role in consultation with the SFSPLD. The clean-up standards cited in the table on the following page have been approved by the SFSFD to guide site remediation.

SFSFD-Approved Clean-Up Standards

Compound	Standard
From Ground Surface to 6 feet bgs	
Petroleum Hydrocarbons (C6 to C12)	100 mg/kg
Petroleum Hydrocarbons (C13 to C22)	1,000 mg/kg
Petroleum Hydrocarbons (greater than C23)	1,000 mg/kg
Volatile Organic Compounds (VOCs)	PRGs
Arsenic and Lead	12 mg/kg with supporting background information
Below 6 feet bgs	
Petroleum Hydrocarbons (C6 to C12)	500 mg/kg
Petroleum Hydrocarbons (C13 to C22)	1,000 mg/kg
Petroleum Hydrocarbons (greater than C23)	10,000 mg/kg
Volatile Organic Compounds (VOCs)	PRGs
Arsenic and Lead	12 mg/kg with supporting background information

Notes:
1. PRGs = Industrial Preliminary Remediation Goals as promulgated by the U.S. Environmental Protection Agency (USEPA) Region IX.
2. mg/kg = milligrams per kilogram (equal to parts per million (ppm)).

For stockpiled soil with a total lead result greater than 130 mg/kg will be transported off-site for disposal. If total lead exceeds 50 mg/kg soluble analysis will be performed. If soluble analysis exceeds the STLC for lead of 5 mg/kg the stockpiled soil will be transported off-site for disposal. If the soluble lead result is between 5 mg/l with the total result between 50 and 130 mg/kg, the soil will be left on-site and used as fill below future proposed parking lot areas or driveways.

A copy of the SFSFD work plan approval letter, dated 19 October 2000, with clean-up standards for the Hathaway Lease is included in Appendix A.

5.0 OBJECTIVE

The objective of the work described in this report was to document the removal of near-surface soils impacted with elevated levels of petroleum hydrocarbons (crude oil) and volatile organic compounds at the Hathaway Lease site located at 10607 Norwalk Boulevard, in Santa Fe Springs, California.

6.0 SCOPE

ATC scope of work included:

- Monitoring and confirmation soil sampling and analysis during piping excavation and removal throughout the site. A total of 63 trenches were excavated and sampled.
- Monitoring and soil sample collection from four oil well excavations.
- Monitoring of the ASTs' removal from the former tank farm and excavation of impacted soil; and post-excavation confirmation soil sampling and analysis.

The scope of work was accomplished in general accordance with ATC's "Work Plan for Soil Sampling at the Hathaway Lease" dated 9 August 2000, and approved by the SFSFD in its letter dated 19 October 2000. A copy of the SFSFD work plan approval letter is included in Appendix A. This letter also contains the SFSFD-approved clean-up standards for the site.

7.0 FIELD ACTIVITIES

7.1 Piping Excavation Monitoring and Soil Sampling

Piping excavation and removal was initiated on 3 August 2000 under a contract between Reliable Equipment and Hathaway. ATC was retained by Hathaway to observe and document piping removal, monitor the excavation beneath each piping run for the presence of impacted soil, collect confirmation soil samples from exposed trench excavations, and have the samples analyzed in accordance with the SFSFD-approved work plan.

A photoionization detector (PID) was used to evaluate soil conditions in the field. Observed petroleum-impacted areas in the trench excavations were recorded on site drawings (see Figures 2A, 2B, 3 and 5B) and photo-documented. A hand auger sampler was used to collect confirmation soil samples from the bottom and walls of the trench and/or excavation. The soil samples were labeled with the date, sample number, and project number. The collected soil samples were delivered to a California-certified environmental laboratory with a request for 48-hours turn-around time on analyses. Soil sampling procedures are described in Appendix B.

Throughout the site 63 trenches (P1 through P63) were excavated to depths ranging from 2 to 4 feet bgs. A total of 93 soil samples (SB1 through SB92 and A2-B) were collected from the 63 trench excavations. Areas with observed petroleum hydrocarbon staining were further excavated until no staining was observed. Confirmation soil samples were then collected for laboratory analysis. See Figures 2A and 2B for trench and soil sample locations. Nine impacted areas (M1 through M9) were found during monitoring of Mobil Oil Company piping excavation and removal. The soil in 8 of the 9 petroleum

hydrocarbon impacted areas was initially excavated to depths ranging from 6 to 12 feet bgs. The soil was then sampled by ATC. Stained soil in area M9 was not sampled. Following the excavation work in these nine areas, Mobil Oil Company then took over the responsibility for further characterization (and remediation as needed) of these nine areas and the six areas in the vicinity of samples SB36 and SB37 (trench P26), SB39 (trench P20), SB40 (trench P15), SB49 (trench P29), and SB77 (trench P44).

Eight soil stockpiles (S5, S6, S7, S11, S12, S13, S14 and S15) were generated from areas M1 through M8 and are scheduled to be disposed of off-site by Mobile Oil Company. Seven soil stockpiles (S1, through S4, and S8 through S10) contain soil that was generated from the oil well abandonment activities. Three of the stockpiles (S2, S4, and S9) contain petroleum hydrocarbon impacted soil and are pending disposal by Hathaway. Four soil stockpiles (S16, S17, S18 and S19) were generated from the former tank farm excavation. Two (S16 and S18) are to be disposed of off-site by Hathaway and stockpile S19 is to be disposed of off-site by Mobil Oil Company. Soil stockpiles with petroleum hydrocarbon concentrations below the SFSFD-approved clean-up standards have been used for on-site backfill. These were stockpiles S1, S3, S8, S10 and S17. They were reworked with subsurface soils on the south side of the site, in the proposed parking lot areas. See Figures 3, 4 and/or 5B for excavation, soil stockpile, soil sample, and reworked soil placement locations.

7.2 Oil Well Abandonment Excavation Monitoring and Soil Sampling

Four oil wells (Jalk 111, Jalk 112, Jalk 113 and Jalk 117) were abandoned by others under contract with Hathaway and the supervision of the CADOGGR and the SFSFD. During abandonment of these oil wells, the upper section of the well casings were cut off and capped approximately 10 feet bgs. The soils were excavated around the well casing to a depth of approximately 10 feet bgs by Reliable Equipment in August 2000. For sample identification purposes these wells were designated W4, W3, W2 and W1, respectively. Their American Petroleum Institute (API) numbers are 037-15486, 037-15487, 037-15488, and 037-15490, respectively. Twelve soil samples were collected from the base and two walls of each well excavation for analysis. In addition duplicate soil samples were collected from the excavation for well Jalk 112 (W3) for additional analysis.

A total of approximately 95 cubic yards (estimated to be approximately 125 tons) of petroleum hydrocarbon impacted soil was removed from the oil well excavations and stockpiled on-site pending off-site disposal. See Figure 4 for abandoned oil well excavation and soil sample locations.

7.3 Tank Farm Monitoring and Soil Sampling

Reliable Equipment removed a total of 12 ASTs (designated as tanks A through L to facilitate soil sample labeling and identification) and associated piping from the former tank farm located on the northwest corner of the site. A crude oil sump (approximately 10 feet in length, 10 feet wide and 8 feet in depth) located on the northeast corner of the tank farm was also removed. A total of 46 soil samples (T1 through T46) were collected from the vicinity of the former crude oil ASTs' clean-out sumps, the former wastewater

ASTs, and the former surface runoff and the crude oil sumps. Three petroleum-impacted areas (P1, P2 and P3) within the tank farm excavation were observed and further excavated to depths ranging from 8 to 12 feet bgs. The average depth in the remaining tank farm excavation was approximately 4 feet bgs. A total of approximately 1,840 cubic yards (estimated to be approximately 2,400 tons) of impacted soil were excavated from the former tank farm area pending off-site disposal by others under contract to Hathaway. Post-excavation confirmation soil samples were collected from the tank farm area. See Figures 5A and 5B for soil sample locations.

8.0 ANALYTICAL RESULTS

The soil samples collected were delivered to SunStar Laboratories, Inc., a State-certified laboratory, in Tustin, California. Sample control was maintained by standard chain-of-custody procedures. The soil samples collected were analyzed as follow:

- Confirmation soil samples collected from piping trench excavations were analyzed for total petroleum hydrocarbons (TPH-cc, in the SFSFD-requested carbon ranges C6 to C12, C13 to C22, and >C23) and arsenic in general accordance with EPA Method Nos. 8015M and 6010, respectively.

- Confirmation soil samples collected from the piping trench excavations, located along the south property line (perimeter) in the vicinity of the adjacent, off-site Continental Heat Treating facility, were analyzed for volatile organic compounds (VOCs) in general accordance with EPA Method No. 8260B.

- Confirmation soil samples collected from the oil well excavations were analyzed for TPH-cc in general accordance with EPA Method 8015M, VOCs in general accordance with EPA Method 8260B, and for semi-VOCs in general accordance with EPA Method No. 8270.

- Confirmation soil samples collected from the former tank farm excavation were analyzed for TPH-cc, VOCs, and Title 22 metals, in general accordance with EPA Method Nos. 8015M, 8260B, and 6010, respectively.

- Soil samples collected from the soil stockpiles were analyzed for TPH-cc, semi-VOCs, PCBs, and Title 22 metals in general accordance with EPA Method Nos. 8015M, 8270, 8080, and 6010, respectively.

See Tables 2 through 5 for a summary of the detected concentrations in the analyzed soil samples. The laboratory reports are in Appendix C through Appendix F.

8.1 Piping Excavation Trenches

Elevated concentrations of TPH-cc, primarily in the C13-C22 and >C23 carbon ranges, above the SFSFD-approved clean-up standards, were reported in soil samples collected from piping excavations designated as M1, M2, M3, M6, M7 and M8. The TPH-cc

concentrations reported in soil samples collected from M4 and M5 were below the SFSFD clean-up standards. In addition, elevated concentrations of TPH-cc were also reported in soil samples SB36 and SB37 (trench P26), SB39 (trench P20), SB40 (trench P15), SB49 (trench P29), and SB77 (trench P44). An elevated concentration of tetrachloroethene (PCE) (100 milligrams per kilograms (mg/kg)) was only reported in sample SB49 collected from trench P29 located near the site south perimeter. Arsenic concentrations in all of the analyzed confirmation soil samples collected from the piping excavation trenches were below the SFSFD-approved clean-up standards (Table 2).

8.2 Oil Well Excavations

The TPH-cc, VOC and semi-VOCs concentrations in all of the analyzed confirmation soil samples collected from the four oil well excavations were well below the SFSFD-approved clean-up standards (Table 3). For the most part there were no detectable concentrations.

8.3 Former Tank Farm Excavation

In the excavation below the former tank farm, three areas of stained soil indicative of petroleum hydrocarbon impacted soil were encountered. These areas were:

- P1 in the northeastern part of the excavation beneath the former sump and adjacent areas;
- P2 in the center of the excavation (beneath former tank B's clean-out; this was a former crude oil aboveground storage tank); and
- P3 in the northwestern part of the excavation north of the northwest corner of the former tank farm.

In area P1 the soil beneath the former sump was prominently stained with petroleum hydrocarbons and had a noticeable petroleum hydrocarbon odor. Because the bottom of the former sump was at a depth of approximately 11 feet bgs, the visually stained soil was removed to this depth even though the laboratory did not report elevated concentrations of petroleum hydrocarbons in the initial soil samples (e.g., T4 and T11 collected at a depth of approximately 5.5 feet bgs as shown on Table 4). The following table summarizes results of the confirmation soil sampling in this area.

Area P1 Confirmation Soil Samples

Sample No.	Wall/Bottom	Depth (ft)	C13-C22 (mg/kg)	>C23 (mg/kg)
T9	Bottom	11	150	40
T25	East Wall	6	ND	ND
T35	Bottom	10	ND	ND
T40	Bottom	10	ND	ND
T41	East Wall	8	ND	ND
T42	North Wall	7	ND	ND
T43	South Wall	8	ND	ND
T44	West Wall	7	ND	ND
T45	North Wall	8	ND	ND

In area P2, soil sample T5 collected at a depth of approximately 5.5 feet bgs had a C13-C22 concentration of 1,100 mg/kg which was slightly above the standard of 1,000 mg/kg. Soil was subsequently excavated in this area to a depth of approximately 8 feet bgs as shown on Figure 5B. The following table summarizes the results of the confirmation soil sampling in this area.

Area P2 Confirmation Soil Samples

Sample No.	Wall/Bottom	Depth (ft)	C13-C22 (mg/kg)
T3	West Wall	5.5	120
T33	Bottom	8	ND
T34	South Wall	7	ND
T38	East Wall	7	ND
T39	North Wall	6	ND

In area P3, soil samples T15 and T31 had elevated concentrations of C13-C22 and T15 also had an elevated concentration of >C23 carbon range petroleum hydrocarbons as summarized in the table below and in Table 4.

Soil was subsequently excavated to a depth of 12 feet as shown on Figure 5B. The following table summarizes the results of the confirmation soil sampling in this area.

Area P3 Confirmation Soil Samples

Sample No.	Wall/Bottom	Depth (ft)	C13-C22 (mg/kg)	>C23 (mg/kg)
		Before Additional Excavation		
T15	West Wall	5.5	8,500	2,100
		After Additional Excavation		
T31	Bottom	8	5,200	2,500
		After Additional Excavation		
T32	West Wall	7	ND	ND
T36	North Wall	6	680	820
T37	East Wall	6	ND	ND
T46	Bottom	12	ND	ND

The VOC concentrations in the analyzed confirmation soil samples collected from the former tank farm excavation were well below concentrations that would be of concern (e.g., U.S. EPA PRGs for industrial sites). The metals' concentrations were consistent with background concentrations reported for the Western United States (Fink, 1996; Shacklette and Boerngen, 1984). The total lead concentration was 12 and 3 mg/kg in soil samples T1 and T2, respectively. Both these soil samples were collected at a depth of

approximately 5.5 feet bgs. Both of these are below the inferred SFSFD-approved clean-up standard of 50 mg/kg.

8.4 Stockpiled Soil

Selected stockpiles had elevated concentrations of petroleum hydrocarbons. The elevated concentrations included all three carbon ranges with maximum concentrations of C6-C12: 9,500 mg/kg; C13-C22: 35,000 mg/kg; and >C23: 44,000 mg/kg. Those concentrations are summarized in Table 5. The laboratory reports are presented in Appendix F. Maximum concentrations of semi-VOCs included 17 mg/kg 2-methylnaphthalene, 8.8 mg/kg fluorene, 8.4 mg/kg phenanthrene, 2.3 mg/kg pyrene, and 2.0 mg/kg chrysene. These were the only detected compounds in soil samples collected from the oil well excavations' soil stockpiles. No semi-VOCs concentrations were reported in the analyzed soil samples collected from the oil well excavations. No PCBs concentrations were detected in the analyzed soil samples collected from the oil well excavations' stockpiles. Metals concentrations were considered to be background concentrations with the exception of the reported total lead concentration of 210 mg/kg in one soil sample collected from stockpile S9.

9.0 STOCKPILED SOIL DISPOSAL

Soil generated during remedial excavation activities was temporarily stockpiled on-site. Stockpiles S1, S3, S8, S10, and S17 were temporarily stored on site until being reworked with other surficial soils and then placed in areas where planned on-site parking is to be paved.

Stockpiles S2, S4, S9, S16, and S18 have been temporarily stored on-site waiting for transport (by others under contract to Hathaway) to a State-certified disposal facility. These stock piles included approximately 95 cubic yards (estimated to be approximately 125 tons) of impacted soil, generated from the excavations for abandoned oil wells Jalk 111 and Jalk 112 and approximately 1,840 cubic yards (estimated to be approximately 2,400 tons) of impacted soil generated from the former tank farm remedial activities. Copies of the soil disposal manifest forms will be forwarded to the SFSFD when they are received by ATC. See Table 5 for the soil stockpiles' laboratory analytical results.

Stockpiles S5 through S7, S11 through S15, and S19 have been temporarily stored on-site waiting for transport by others under contract to Mobil Oil Company to a State-certified disposal facility. Analysis of the concentrations of petroleum hydrocarbons, VOCs, semi-VOCs, PCBs, and/or metals is the responsibility of Mobil Oil Company as is disposal of the soil in those stockpiles.

10.0 BACKFILL AND COMPACTION

The piping excavations (with the exception of areas M1 through M9) were backfilled with adjacent soils by Reliable Equipment. The soil was compacted using a backhoe-mounted small "sheepsfoot" roller.

The four oil well excavations were backfilled with fill from West Coast Sand and Gravel facility and site soils that was compacted by Reliable Equipment in September 2000. Reliable Equipment compacted the fill using a backhoe-mounted "rumbler" unit. It is ATC's understanding that the soil above the abandoned oil wells is to be re-excavated at a later date, during site development, when vent cones are to be installed.

According to Reliable Equipment, the former tank farm excavation will be backfilled with fill materials from West Coast Sand and Gravel facility in Irwindale and/or Riverside, California. The fill will be placed as engineered backfill in the excavation and compacted by Reliable Equipment and under the supervision and testing of Norcal Engineering Company, as requested by THE O'DNNELL GROUP, INC. It is ATC's understanding that copies of the compaction test results and certifications for backfill of the tank farm excavation are to be provided by Reliable Equipment to Hathaway.

11.0 DISCUSSION

11.1 Piping Trenches - Hathaway

Based on the results of this remedial investigation, relatively low concentrations of TPH-cc were reported in soil samples collected from the piping trenches located on the site that were Hathaway's responsibility. These concentrations are well below the SFSFD standards for remediation of impacted soil at Hathaway Lease site. No elevated concentrations of VOCs or arsenic were reported in the sampled soil from the Hathaway piping trenches. The piping excavation trenches have been backfilled with adjacent soils by Reliable Equipment.

11.2 Piping Trenches - Mobil

During this remedial investigation, elevated concentrations of TPH-cc were reported in soil samples collected from selected piping trenches (Mobil Oil Company piping as reported to ATC) located on the site that are Mobil Oil Company's responsibility. These concentrations are above the SFSFD-approved clean-up standards for impacted soil remediation. These impacted areas are included in the excavated areas designated as M1 through M8 in the vicinity of trenches P10, P15, P34, P52, P55, and the area of Boring A2 and piping confirmation trench T1 (collectively also designated as area M9). The TPH-cc impacted areas were also encountered in the areas where samples were collected: SB36 and SB37 (trench P26), SB39 (trench P20), SB40 (trench P15), and SB77 (trench P44). In addition, an area of elevated VOC concentration above the SFSFD-approved clean-up standard was encountered in soil sample SB49 (collected from trench P29). It is ATC's understanding that the areas with elevated TPH-cc and VOC concentrations are to be further investigated (and remediated as necessary) by Mobil Oil Company. No elevated concentrations of arsenic were reported in sampled soil from the Mobil Oil Company piping trenches.

11.3 Abandoned Oil Well Excavations

Based on the results of this remedial investigations, no elevated concentrations of TPH-cc, VOCs or semi-VOCs were reported to be above the SFSFD-approved clean-up standards for the site in the analyzed soil samples collected from the four abandoned oil well excavations.. These excavations were backfilled and compacted by Reliable Equipment in September 2000.

11.4 Former Tank Farm Excavation

A total of 12 crude oil/ wastewater ASTs (designated as Tanks A through L to facilitate sample labeling and tracking), associated piping and a sump were demolished and removed for reuse as scrap. Soil samples were collected from the vicinity of the crude oil ASTs clean-out sumps, the waste water ASTs, the surface water runoff sump, and the oil sump adjacent to the northeast corner of the former tank farm for analysis. After the ASTs, related piping, and sumps were removed, soil was excavated to a depth of approximately 4 feet bgs. Soil in three areas was observed to be visually stained with petroleum hydrocarbons. Impacted soil in these three areas (designated P1 through P3) were further removed and sampled. This resulted in the three areas being excavated to depths of approximately 8 to 12 feet bgs. None of the subsequent confirmation soil samples had concentrations of analyzed constituents that exceeded their respective SFSFD-approved clean-up standards as discussed further below.

During excavation and abandonment of the crude oil sump, staining indicative of petroleum-impacted soil was observed in the former tank farm excavation, southwest of the crude oil sump. The stained soil appeared to be from piping which was removed along with the ASTs. The petroleum-impacted soil was excavated from this area (P1) to an approximate depth of 10 feet bgs. Confirmation soil samples (T9, T25, T35, and T40 through T45) were collected from the base and walls of the P1 excavation. Based on the laboratory results, no petroleum hydrocarbons exceeded the SFSFD-approved clean-up standards in the analyzed confirmation soil samples collected from area P1.

According to the laboratory analytical results, elevated concentrations of TPH-cc were detected in soil sample T5 which was taken from the vicinity of Tank B clean-out sump. This area (T5) became part of excavation P2, which later excavated to approximate depth of 8 feet bgs. Confirmation soil samples (T3, T33, T34, T38 and T39) were collected from the bottom and walls of P2 excavation. Based on the laboratory results, no petroleum hydrocarbons exceeded the SFSFD-approved clean-up standards in the analyzed confirmation soil samples collected from area P2.

Surface stains were also observed in soils beneath the northwest corner of the former tank farm. It was reported to ATC by a representative of Hathaway that the impacted soil in this area was due to a crude oil spill by Mobil Oil Company. Soil samples T15 and T31 were collected from this area (P3). Elevated concentration of TPH-cc were reported in these soil samples. Impacted soils in excavation P3 were subsequently excavated to an approximate depth of 12 bgs. Confirmation soil samples (T32, T36, T37, and T46) were then collected from the bottom and walls of the area P3 excavation. Based on the

laboratory results, no petroleum hydrocarbons exceeded the SFSFD-approved clean-up standards in the analyzed confirmation soil samples collected from area P3.

11.5 Soil Stockpiles - Petroleum Hydrocarbon Impacted Soil

Approximately 95 cubic yards (estimated to be approximately 125 tons) of impacted soil were removed from two of the four abandoned oil well excavations. These soils have been stockpiled on site pending off-site disposal (by others under contract to Hathaway) at an off-site State-licensed facility.

Approximately 1,840 cubic yards (estimated to be approximately 2,400 tons) of impacted soil were removed from the former tank farm and have been stockpiled on site pending off-site disposal by others (under contract to Hathaway) at an off-site State-licensed facility.

In addition to the impacted soil that is scheduled to be disposed of by Hathaway, stockpiles S5 through S7, S11 through S15, and S19 have been temporarily stored on-site waiting for transport by others under contract to Mobil Oil Company to a State-certified disposal facility.

11.6 Soil Stockpiles - Non-Impacted Soil

Based on field observations and the receipt of laboratory analytical results, the TPH-cc concentrations in the analyzed soil samples from stockpile S1, S3, S4, S8, S10 and S17 were below SFSFD-approved clean-up standards for site soils. The soil in all of these stockpiles except S4 were reworked with near-surface soils and placed as fill in planned parking areas along the southern part of the site. Although the sampled soil in stockpile S4 had TPH-cc concentrations below the SFSFD-approved clean-up standards, Hathaway elected to dispose of the soil in stockpile S4 along with the soil in the stockpiles cited above in Section 11.5 at an off-site State-licensed disposal facility.

12.0 CONCLUSIONS

Based on the information presented in this report, current regulatory standards, the SFSFD-approved cleanup standards, and the judgment of ATC, the following conclusions have been drawn:

12.1 Piping

- The TPH-cc or VOC concentrations in analyzed soil samples collected from the piping trenches were below the SFSFD clean-up standards, except for areas included in the excavations designated as M1 through M9 and the areas in the vicinity of samples SB36 and SB37 (trench P26), SB39 (trench P20), SB40 (trench P15), SB49 (trench P29), and SB77 (trench P44). These areas are being characterized (and remediated as necessary) by Mobil Oil Company

12.2 Four Abandoned Oil Wells

- The TPH-cc, VOC and semi-VOCs concentrations in analyzed soil samples from the four abandoned oil well excavations are below the SFSFD clean-up standards.

12.3 Former Tank Farm

- The TPH-cc and VOC concentrations in confirmation soil samples collected from the former tank farm are below the SFSFD clean-up standards.

12.4 Stockpiled Soil

- The TPH-cc concentrations in the analyzed soil samples from stockpiles S2, S5, S6, S7, S9, S11, S12, S13, S14, S15, S16, S18 and S19 are above the SFSFD clean-up standards.

- The TPH-cc concentrations in analyzed soil samples in stockpiles S1, S3, S4, S8, and S10 are below the SFSFD clean-up standards.

12.5 Completion of Remediation

- There is a very low likelihood that petroleum hydrocarbons (TPH-cc), VOCs, semi-VOCs, or metals-impacted soil remain in the areas of the former piping, four recently abandoned oil wells or former tank farm with the exception of areas included in those designated M1 to M9 and the areas in the vicinity of samples SB36 and SB37 (trench P26), SB39 (trench P20), SB40 (trench P15), SB49 (trench P29), and SB77 (trench P44) that are being addressed by Mobil Oil Company.

13.0 RECOMMENDATIONS

Based on the information presented in this report, current regulatory standards, the SFSFD-approved cleanup standards, and the judgment of ATC, the following recommendations are presented for consideration:

13.1 Former Tank Farm

- Backfill the former tank farm excavation with engineered fill.

13.2 Stockpiled Soil

- Dispose of the soil from stockpiles S2, S5, S6, S7, S9, S11, S12, S13, S14, S15, S16, S18 and S19 at a facility licensed by the State of California.

- The placement of soil from stockpiles S1, S3, S4, S8, S10 and S17 as fill in planned, parking areas (that are to be paved) at the site is consistent the SFSFD-approved cleanup standards.

- Characterization and remediation (as necessary) of areas M1 through M9 is the responsibility of Mobil Oil Company.

13.3 Manifests

- Manifests for the disposal of soil handled by Hathaway's contractors are to be forwarded to the SFSFD following receipt by ATC.

13.4 Issuance of a No Further Action Letter

- Following Mobil's submittal of the appropriate documentation, the SFSFD and SFSPLD are requested to grant site closure and issue a no further action (NFA) letter.

14.0 LIMITATIONS

The judgments, conclusions, and recommendations described in this report pertain to the conditions judged to be present or applicable at the time the work was performed. Future conditions may differ from those described herein and this report is not intended for use in future evaluations of the site unless an update is conducted by a consultant familiar with environmental assessments and/or subsurface investigations. Use of this report is provided to Hathaway Oil Company and THE O'DONNELL GROUP, INC. solely for their exclusive use and shall be subject to the terms and conditions in the applicable contract between Hathaway Oil Company and ATC. There is to be no third-party use of this report without the express written authorization of ATC. Any authorized third-party use of this report shall also be subject to the terms and conditions governing the work in the contract between Hathaway Oil Company and ATC. Any unauthorized release, use, or misuse of this report shall be without risk or liability to ATC.

Certain information contained in this report may have been rightfully provided to ATC by third parties or other outside sources. ATC does not make any warranties or representations, whether expressed or implied, regarding the accuracy of such information, and shall not be held accountable or responsible in the event that any such inaccuracies are present.

15.0 REFERENCES

ATC Associates Inc., 2000a, Methane gas survey results at the Hathaway lease property at 10607 Norwalk Boulevard in Santa Fe Springs, CA: Unpublished letter report prepared for THE O'DONNELL GROUP, INC., Newport Beach, CA, dated 6 January 2000.

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Shacklette H.T., and Boerngen, J.G., 1984, Element concentrations in soils and other surficial materials of the conterminous United States: U.S. Geological Survey Professional Paper 1270, U.S. Government Printing Office, Washington, D.C., 105p.

TABLES

TABLE 1. PIPING DIAMETER SUMMARY

Trench No.	Number of Pipes	Piping Diameter (inches)
Trench P1	1	3
Trench P2	1	3
Trench P3	1	3
Trench P4	1	3
Trench P5	1	3
Trench P6	1	3
Trench P7	1	3
Trench P8	1	6
Trench P9	1	3
Trench P10	2	4 and 6
Trench P11	1	3
Trench P12	1	3
Trench P13	1	3
Trench P14	1	3
Trench P15	1	6
Trench P16	2	2 and 3
Trench P17	2	3 and 3
Trench P18	1	6
Trench P19	1	3
Trench P20	2	3 and 6
Trench P21	1	6
Trench P22	1	3
Trench P23	1	4
Trench P24	4	1.5, 2, 3 and 4
Trench P25	2	2 and 4
Trench P26	2	4 and 6
Trench P27	1	3
Trench P28	1	2
Trench P29	5	2, 3, 4, 4, and 6
Trench P30	1	3
Trench P31	1	12
Trench P32	1	4
Trench P33	1	2
Trench P34	1	3
Trench P35	1	2
Trench P36	1	3
Trench P37	1	3
Trench P38	1	3
Trench P39	1	3
Trench P40	1	3
Trench P41	1	3
Trench P42	1	3
Trench P43	1	3
Trench P44	1	2
Trench P45	1	3
Trench P46	1	3
Trench P47	1	3
Trench P48	1	3
Trench P49	1	3
Trench P50	1	4

Sample No.	Depth (ft)	Sample Location/ Trench/Pipe Owner	C6-C12	C13-C22	>C23	VOCs	Arsenic
SB38	2	Trench P28/ Hathaway	ND	ND	ND	---	---
SB39	5	Trench P20/Mobil	**16**	**2,500**	**3,400**	---	---
SB40	5	Trench P15/Mobil	ND	**180**	**1,200**	---	---
SB41	4	Trench P25/Mobil	ND	ND	ND	---	---
SB42	4	Trench P25/Mobil	ND	ND	ND	---	---
SB43	4	Trench P25/Mobil	ND	**45**	**510**	---	---
SB44	4	Trench P25/Mobil	ND	ND	ND	---	---
SB45	4	Trench P25/Mobil	ND	ND	ND	---	---
SB46	4	Trench P25/Mobil	ND	**35**	**500**	---	---
SB47	4	Trench P25/Mobil	ND	ND	ND	---	---
SB48	4	Trench P29/ Hathaway/Mobil	ND	ND	ND	**0.019 (tetrachloroethene)**	---
SB49	4	Trench P29/ Hathaway/ Mobil	**19**	**150**	**710**	**100 (tetrachloroethene)**	---
SB50	5	Trench P29/ Hathaway/ Mobil	ND	ND	ND	**0.840 (tetrachloroethene)**	---
SB51	5	Trench P29/ Hathaway/Mobil	ND	ND	ND	**0.065 (tetrachloroethene)**	---
SB52	4	Trench P29/ Hathaway/ Mobil	ND	ND	ND	ND	---
SB53	4	Trench P31/Mobil	ND	**32**	**690**	---	---
SB54	4	Trench P31/Mobil	ND	**16**	**190**	---	---
SB55	3	Trench P33/Mobil	ND	ND	ND	---	---
SB56	3	Trench P33/Mobil	ND	**17**	**300**	---	---
SB57	3	Trench P32/Mobil	ND	**22**	**160**	---	---
SB58	3	Trench P32/Mobil	ND	**37**	**480**	---	---
SB59	3	Trench P35/Mobil	ND	**30**	**340**	---	---
SB60-B	5	M5/Bottom/Mobil	ND	ND	ND	---	---
SB61-NW	4	M5/North Wall/ Mobil	ND	ND	ND	---	---
SB62-B	6	M6/Bottom/Mobil	**110**	**890**	**390**	---	---
SB63-EW	5	M6/East Wall/ Mobil	ND	**110**	**360**	---	---
SB64	2	Trench P36/ Hathaway	ND	ND	ND	---	---
SB65	3	Trench P37/Mobil	ND	**33**	**140**	---	---
SB66	2	Trench P39/ Hathaway	ND	**32**	**200**	---	ND
SB67	3	Trench P38/Mobil	ND	ND	ND	**0.023 (tetrachloroethene)**	ND
SB68	3	Trench P38/Mobil	ND	ND	ND	ND	---
SB69	3	Trench P38/Mobil	ND	**40**	**300**	---	---
SB70	3	Trench P42/Mobil	ND	ND	ND	**0.009 (cis-1,2-dichloroethene)**	---
SB71	2	Trench P46/ Hathaway	ND	ND	ND	ND	---
SB72	4	Trench P54/Mobil	ND	ND	ND	---	---
SB73-B	6	M4/Bottom/Mobil	36	**490**	**510**	---	---
SB74-WW	5	M4/West Wall/ Mobil	**39**	**430**	**570**	---	---

TABLE 3. OIL WELLS EXCAVATION

Sample No	Location/Owner	Depth (ft)	C6-C12	C13-C22	>C23	VOCs	Semi-VOCs
W1-B	JALK 117 (W1)/Hathaway	10	ND	ND	ND	ND	---
W1 (west side)	JALK 117 (W1)/Hathaway	8	ND	ND	ND	---	---
W1-S (east side)	JALK 117 (W1)/Hathaway	8	ND	ND	ND	ND	---
W2-B	JALK 113 (W2)/Hathaway	10	ND	**78**	**180**	ND	---
W2-S (south side)	JALK 113 (W2)/Hathaway	8	ND	ND	ND	ND	---
W2 (west side)	JALK 113 (W2)/Hathaway	8	ND	ND	ND	---	---
W3-B	JALK 112 (W3)/Hathaway	11	ND	ND	ND	ND	---
W3-SW	JALK 112 (W3)/Hathaway	8	ND	ND	ND	ND	---
W3-NW	JALK 112 (W3)/Hathaway	7	ND	ND	ND	ND	---
W3-B1	JALK 112 (W3)/Hathaway	11	---	---	---	---	ND
W3-NW1	JALK 112 (W3)/Hathaway	8	---	---	---	---	ND
W3-SW1	JALK 112 (W3)/Hathaway	7	---	---	---	---	ND
W4-B	JALK 111 (W4)/Hathaway	10	ND	ND	ND	ND	---
W4-EW	JALK 111 (W4)/Hathaway	8	ND	ND	ND	ND	---
W4-WW	JALK 111 (W4)/Hathaway	7	**15**	ND	ND	ND	---

ND = not detected above the laboratory detection limits
--- = not analyzed
Concentrations are in milligrams per kilograms (mg/kg)
C6-C12, C13-C22, >C23, etc. are the total petroleum hydrocarbon concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8015m-cc
VOC's = Volatile organic compounds' concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8260B.
Semi-VOC's = Volatile organic compounds' concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8270.

TABLE 4. TANK FARM EXCAVATION

Sample No.	Location/ Owner	Depth (ft)	C6-C12	C13-C22	>C23	VOCs	Metals
T1	TF-Tanks I, J & K/ Hathaway	5.5	ND	ND	ND	ND	**93 Barium** **3 Cadmium** **25 Chromium** **14 Cobalt** **19 Copper** **12 Lead** **4 Molybdenum** **16 Nickel** **5 Thallium** **30 Vanadium** **50 Zinc**
T2	TF-Tanks G & H/ Hathaway	5.5	ND	ND	ND	ND	**120 Barium** **3 Cadmium** **21 Chromium** **14 Cobalt** **20 Copper** **3 Lead** **4 Molybdenum** **17 Nickel** **5 Thallium** **31 Vanadium** **53 Zinc**
T3	TF-Tanks E & F/ Hathaway	5.5	ND	**120**	ND	ND	---
T4	TF-Tank A clean-out/Hathaway	5.5	**14**	**340**	**140**	**.006 sec-butylbenzene** **.023 naphthalene**	---
T5	TF-Tank B clean-out /Hathaway	5.5	**14**	**1,100**	**260**	**.016 sec-butylbenzen** **.046 naphthalene**	---
T6	TF-Tank C clean-out/ Hathaway	5.5	**23**	**730**	**290**	**.15 ethylbenzene** **.005 o-xylene** **.026 iso-propylbenzene** **.041 n-propylbenzene** **.007 1,3,5-trimethylbenzene** **.008 1,2,4-trimethylbenzene** **.024 sec-butylbenzene** **.007 p-isopropylbenzene** **.012 n-butylbenzene** **.013 naphthalene**	---
T7	TF-Tank D clean-out/ Hathaway	5.5	ND	**300**	**160**	ND	---

Sample No.	Location/ Owner	Depth (ft)	C6-C12	C13-C22	>C23	VOCs	Metals
T8	TF-runoff sump/ Hathaway	5.5	ND	**190**	**ND**	**.011 1,1,2,2-tetrachloroethane .006 sec-butylbenzene .021 naphthalene**	---
T9	TF-oil sump/ Hathaway	11	ND	**150**	**40**	ND	---
T10	TF-Tank L/ Hathaway	5.5	ND	ND	ND	ND	---
T11	TF-southwest of oil sump/ Hathaway	5.5	ND	ND	ND	ND	---
T12	TF-northeast of Tank F/ Hthaway	5.5	ND	**520**	**340**	**.053 benzene .190 toluene .030 ethylbenzene .096 m&p-xylene .045 o-xylene .470 iso-propylbenzene .820 n-propylbenzene .009 1,3,5-trimethylbenzene .091 tert-butylbenzene .021 1,2,4-trimethylbenzene .570 sec-butylbenzene .059 n-butylbenzene 3 naphthalene**	---
T13	TF-south of Tank H/ Hathaway	5.5	ND	ND	ND	**.007 benzene .009 toluene .015 naphthalene**	---
T14	TF- northwest corner-bottom/Mobil	6	ND	ND	ND	---	---
T15	TF- northwest corner-wall/Mobil	5.5	**130**	**85,00**	**2,100**	---	---
T16	TF-west wall/Mobil	5.5	ND	ND	ND	---	---
T17	TF-west wall/ Hathaway	5.5	ND	ND	ND	---	---
T18	TF-west wall/ Hathaway	5.5	ND	ND	ND	---	---
T19	TF-southwest corner/ Hathaway	4	ND	ND	ND	---	---
T20	TF-south wall/ Hathaway	4	ND	ND	ND	---	---

Sample No.	Location/ Owner	Depth (ft)	C6-C12	C13-C22	>C23	VOCs	Metals
T21	TF-south wall/ Hathaway	4	ND	ND	ND	---	---
T22	TF-south wall/ Hathaway	4	ND	ND	ND	---	---
T23	TF-south wall/ Hathaway	4	ND	ND	ND	---	---
T24	TF-east wall/ Hathaway	4	ND	ND	ND	---	---
T25	TF-east wall/ Hathaway	6	ND	ND	ND	---	---
T26	TF-north wall/ Hathaway	4	ND	ND	ND	---	---
T27	TF-north wall/ Hathaway	5	ND	ND	ND	---	---
T28	TF-north wall/ Hathaway	5	ND	ND	ND	---	---
T29	TF-north wall/ Hathaway	4	ND	ND	ND	---	---
T30	TF-north wall/ Hathaway	4	ND	ND	ND	---	---
T31	TF/P3-bottom/Mobil	8	**270**	**5,200**	**2,500**	---	---
T32	TF/P3-west wall/Mobil	7	ND	ND	ND	---	---
T33	TF/P2-bottom/ Hathaway	8	ND	ND	ND	---	---
T34	TF/P2-south / Hathaway wall	7	ND	ND	ND	---	---
T35	TF/P1-bottom/ Hathaway	10	ND	ND	ND	---	---
T36	TF/P3-north wall/Mobil	6	**23**	**680**	**820**	---	---
T37	TF/P3-east wall/ Hathaway	6	ND	ND	ND	---	---
T38	TF/P2-east wall/ Hathaway	6	ND	ND	ND	---	---
T39	TF/P2-north wall/ Hathaway	6	ND	ND	ND	---	---
T40	TF/P1-bottom/ Hathaway	10	ND	ND	ND	---	---
T41	TF/P1-east wall/ Hathaway	8	ND	ND	ND	---	---
T42	TF/P1-north wall/ Hathaway	7	ND	ND	ND	---	---
T43	TF/P1-south wall/ Hathaway	8	ND	ND	ND	---	---
T44	TF/P1-west wall/ Hathaway	7	ND	ND	ND	---	---
T45	Oil sump-north wall/ Hathaway	8	ND	ND	ND	---	---
T46	TF/P3-bottom/Mobil	12	ND	ND	ND	---	---

Sample No.	Location/ Owner	Depth (ft)	C6-C12	C13-C22	>C23	VOCs	Metals

T1 = soil sample
TF = former tank farm excavation
P1 = post sampling excavation
ND = not detected above the laboratory detection limits
--- = not analyzed
Concentrations are in milligrams per kilograms (mg/kg) = parts per million (ppm)
C6-C12, C13-C22, >C23, etc. are the total petroleum hydrocarbon concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8015m-cc
Semi-VOCs = Semi-volatile organic compounds' concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8270
PCBs = Polychlorinated biphenyls' concentrations based on analysis conducted in general with US EPA Method 8080.
CAM 17 metals concentrations based on analysis conducted in general with US EPA Method No. 6000/7000

TABLE 5. STOCKPILE SOIL

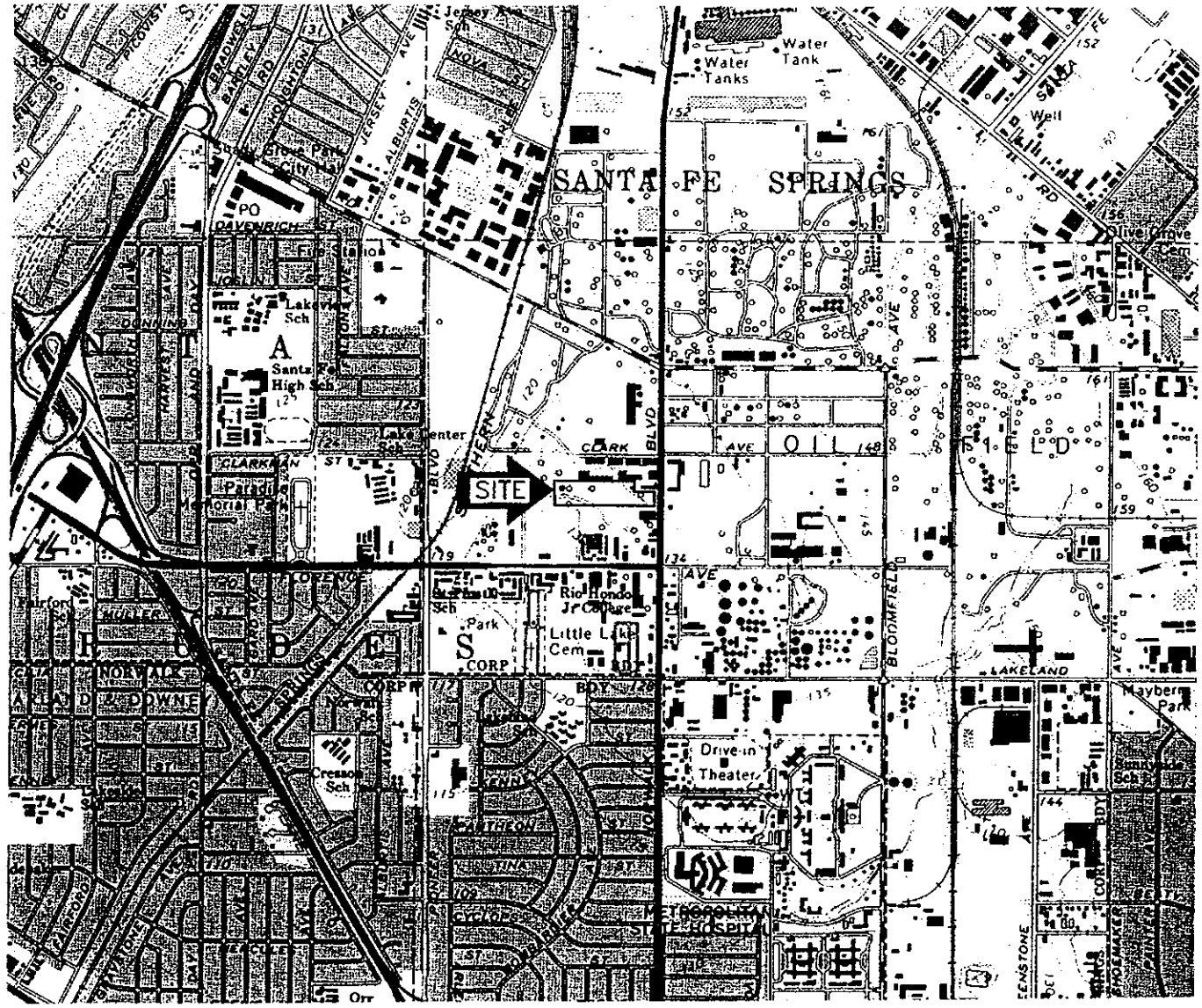
Sample No.	Location/ Owner	C6-C12	C13-C22	>C30	Semi-VOCs	BTEX	PCBs	Metals
S1	JALK 117 W1/Hathaway	ND	**350**	**480**	ND	---	ND	---
S2	JALK 112 W3/Hathaway	**1,400**	**35,000**	**12,000**	**17 (2-methylnaph-thalene) 8.80 (fluorene) 8.40 (phenan-threne) 2.30 (pyrene) 2 (chrysene)**	---	ND	---
S2-1	JALK 112 W3/Hathaway	---	---	---	---	ND	---	---
S3	JALK 113 W2/Hathaway	ND	ND	ND	---	---	---	---
S4-1	JALK 112 W3/Hathaway	ND	**110**	**1,200**	---	---	---	---
S4-2	JALK 112 W3/Hathaway	ND	**180**	**2,600**	ND	---	ND	---
S4-3	JALK 112 W3/Hathaway	---	---	---	---	ND	---	**320 (barium) 4 (cadmium) 71 (chrom.) 12 (cobalt) 45 (copper) 110 (lead) 4 (molybden.) 30 (nickel) 20 (vanad.) 260 (zinc)**
S5	M3/P15/Mobil	**46**	**2,300**	**2,100**	---	---	---	---
S6-1	M1/P10/Mobil	**150**	**370**	**270**	---	---	---	---
S6-2	M1/P10/Mobil	**1,900**	**5,600**	**2,600**	---	---	---	---
S7-1	M2/P10/Mobil	**74**	**760**	**590**	---	---	---	---
S7-2	M2/P10/Mobil	**16**	**1,300**	**17,000**	---	---	---	---
S8	JALK 112 W3/Hathaway	**12**	**480**	**580**	---	---	---	---
S9	JALK 111 W4/Hathaway	ND	**1,600**	**44,000**	---	---	---	---
S9-1	JALK 111 W4/Hathaway	---	---	---	---	ND	---	**250 (barium) 5 (cadmium) 21 (chrom.) 13 (cobalt) 71 (copper) 210 (lead) 5 (molybden.) 30 (nickel) 23 (vanad.) 340 (zinc)**

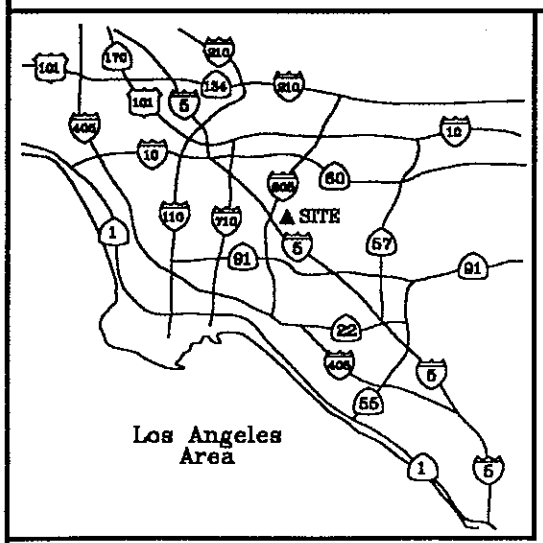
Sample No.	Location/ Owner	C6-C12	C13-C22	>C30	Semi-VOCs	BTEX	PCBs	Metals
S10-1	JALK 111 W4/Hathaway	ND	**230**	**380**	ND	---	ND	---
S10-2	JALK 111 W4/Hathaway	**67**	**820**	**590**	**0.690 (2-methylnaph-thalene) 0.610 (fluorene) 0.90 (phenan-threne)**	---	ND	---
S11	M5/P34/Mobil	**5,000**	**12,000**	**6,800**	---	---	---	---
S12	M6/P34/Mobil	**1,400**	**13,000**	**10,000**	---	---	---	---
S13	M4/P52/Mobil	**160**	**840**	**630**	---	---	---	---
S14	M7/P55/Mobil	**410**	**4,500**	**1,100**	---	---	---	---
S15	M8/Boring A2 Mobil	**110**	**1,400**	**1,400**	---	---	---	---
S16-1	Tank Farm Hathaway	**6,000**	**9,700**	**3,400**	---	---	---	---
S16-2	Tank Farm Hathaway	ND	**280**	**280**	---	---	---	---
S16-3	Tank Farm Hathaway	ND	**69**	**110**	---	---	---	---
S16-4	Tank Farm Hathaway	---	---	---	---	ND	---	---
S17-1	Tank Farm Hathaway	ND	**19**	**28**	---	---	---	---
S17-2	Tank Farm Hathaway	ND	ND	ND	---	---	---	---
S18-1	Tank Farm Hathaway	**140**	**1,500**	**1,500**	---	---	---	---
S18-2	Tank Farm Hathaway	**120**	**610**	**690**	---	---	---	---
S18-3	Tank Farm Hathaway	**9,500**	**15,000**	**8,000**	---	---	---	---
S18-4	Tank Farm Hathaway	---	---	---	---	ND	---	---
S19-1	Tank Farm Mobil	**5,000**	**17,000**	**11,000**	---	---	---	---
S19-2	Tank Farm Mobil	**97**	**2,000**	**1,600**	---	---	---	---
Com-posit	(Samples S4-3, S9-1, T1, T2)	---	---	---	---	---	---	ND (Lead)

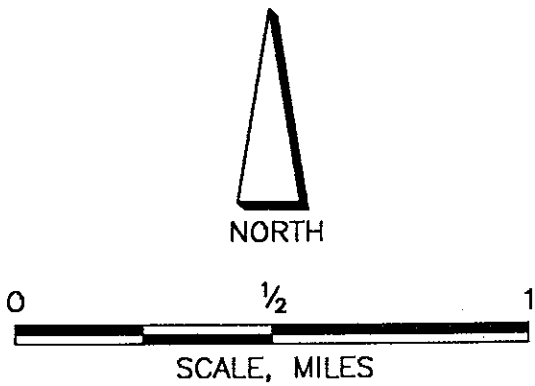
Sample No.	Location/ Owner	C6-C12	C13-C22	>C30	Semi-VOCs	BTEX	PCBs	Metals

ND = not detected above the laboratory detection limits
--- = not analyzed
Concentrations are in milligrams per kilograms (mg/kg) = parts per million (ppm)
C6-C12, C13-C22, >C23, etc. are the total petroleum hydrocarbon concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8015m-cc
Semi-VOCs = Semi-volatile organic compounds' concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8270
BTEX = benzene, toluene, ethylbenzene, xylene concentrations based on analysis conducted in general accordance with U.S. EPA Method No. 8020
PCBs = Polychlorinated biphenyls' concentrations based on analysis conducted in general with US EPA Method No. 8080.
CAM 17 metals concentrations based on analysis conducted in general with US EPA Method No. 6000/7000
S = soil stockpile, M1 = excavation, P10 = piping trench

FIGURES







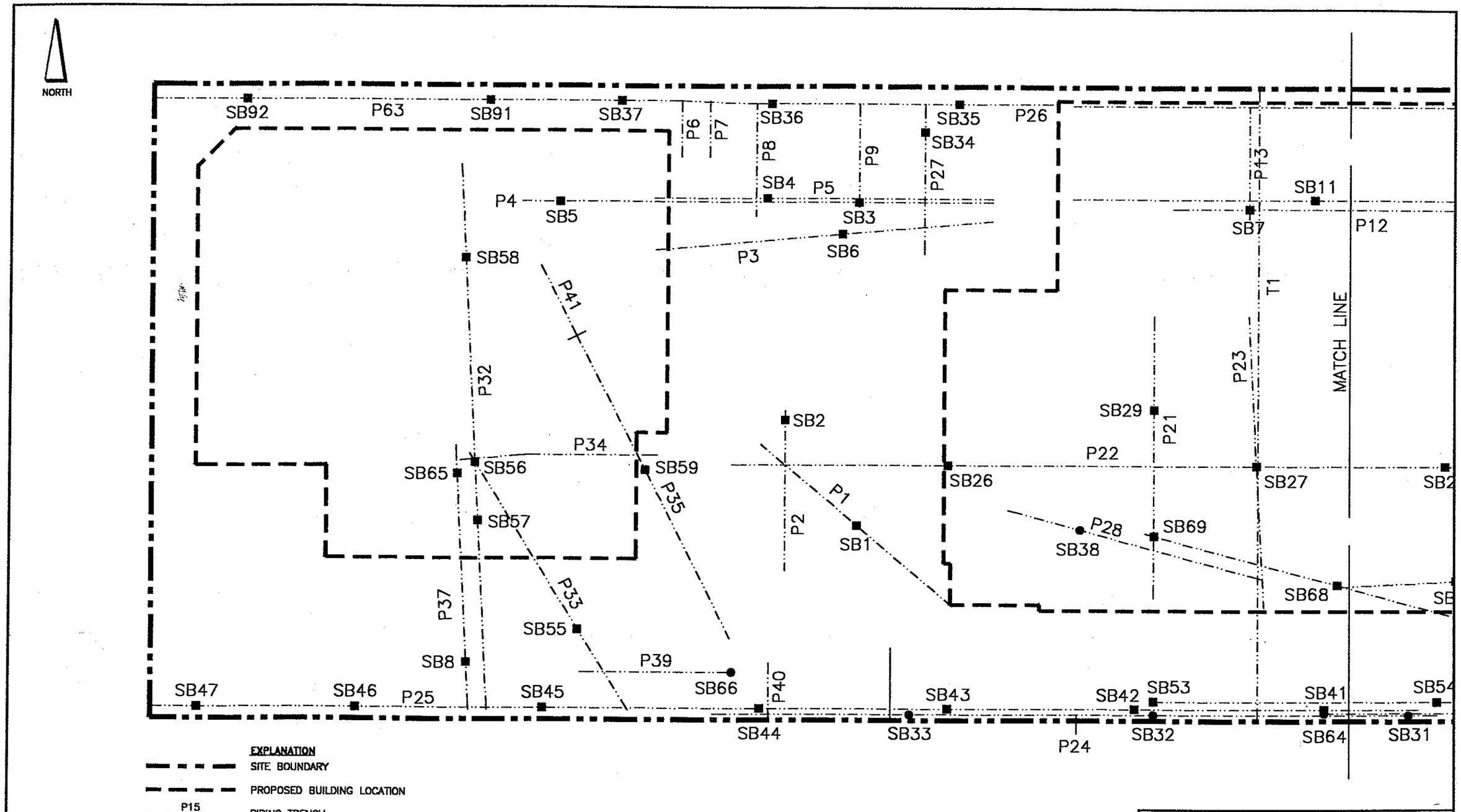
NOTE

BASE MAP IS TAKEN FROM USGS WHITTIER QUADRANGLE, CALIFORNIA, LOS ANGELES CO., 7.5-MINUTE SERIES (TOPOGRAPHIC), 1965, PHOTOREVISED 1981

VATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

SITE LOCATION MAP

PROJECT NUMBER 42.25527.0001	FIGURE 1



EXPLANATION

- SITE BOUNDARY
- PROPOSED BUILDING LOCATION
- P15 — PIPING TRENCH
- ● SB48 — PIPING TRENCH SOIL SAMPLE LOCATION AND DESIGNATION (HATHAWAY SAMPLE)
- ■ SB15 — PIPING TRENCH SOIL SAMPLE LOCATION AND DESIGNATION (MOBIL SAMPLE)
- ▲ SB50 — PIPING TRENCH SOIL SAMPLE LOCATION AND DESIGNATION (HATHAWAY/MOBIL SAMPLE)

NOTES

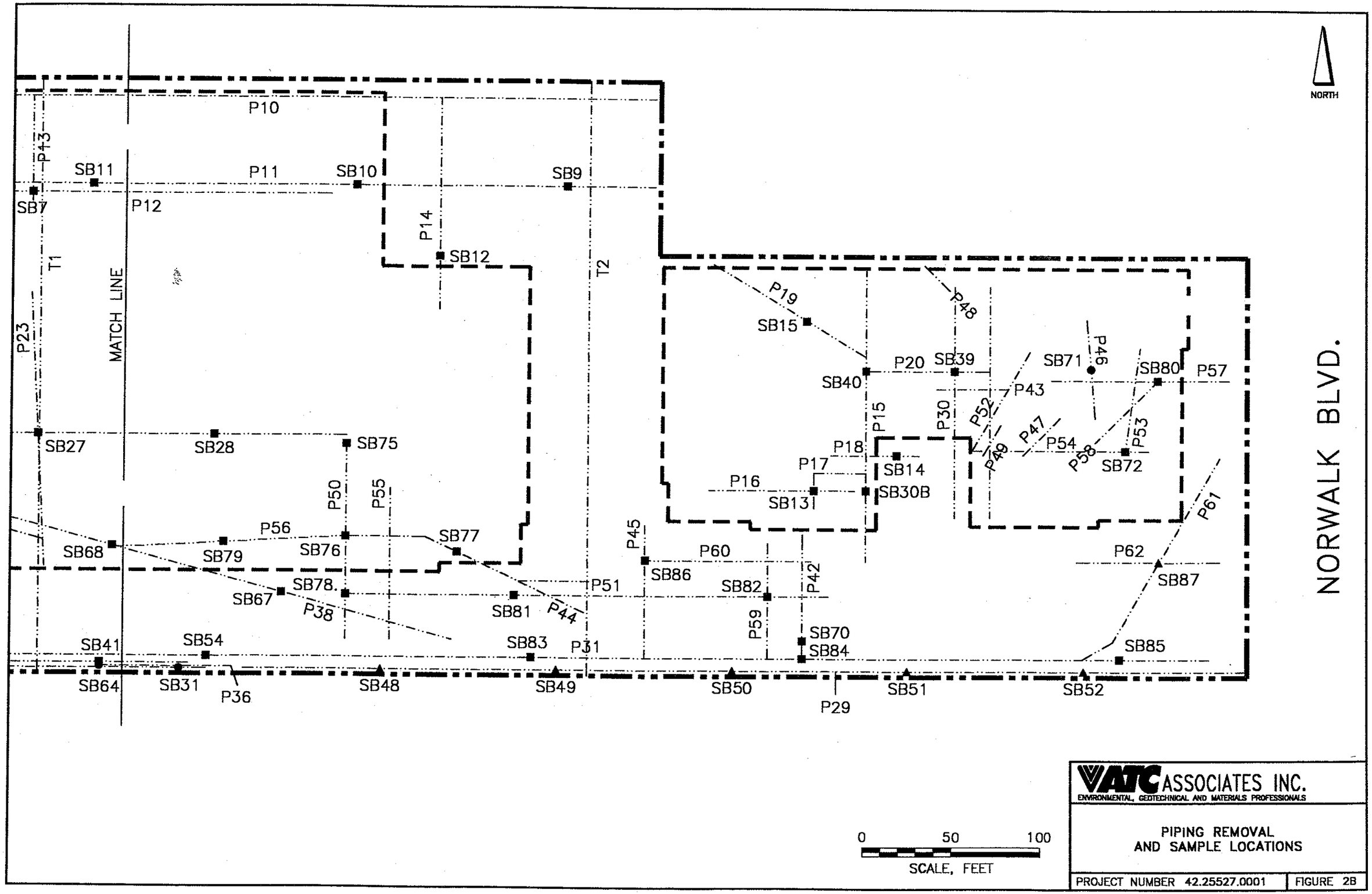
1) ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
2) BASE MAP OBTAINED FROM DRAWING BY HILL PINCKERT ARCHITECTS, INC., DATED 21 JANUARY 1999
3) TRENCH LOCATIONS PLOTTED BY ATC BASED ON FIELD MEASUREMENTS DURING EXCAVATION OF THE PIPING

0 50 100
SCALE, FEET

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

PIPING REMOVAL AND SAMPLE LOCATIONS

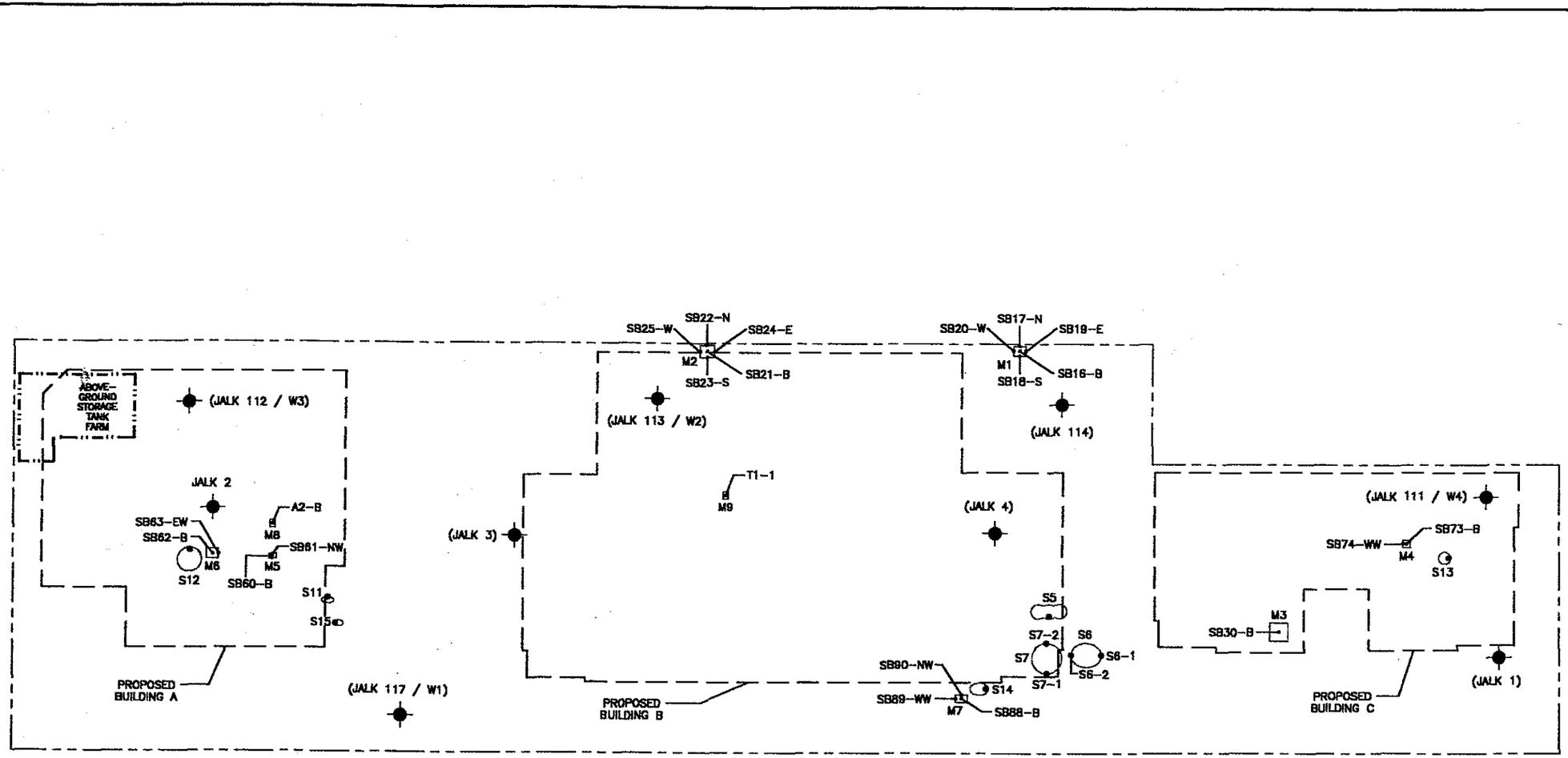
PROJECT NUMBER 42.25527.0001 | FIGURE 2A



VATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

PIPING REMOVAL
AND SAMPLE LOCATIONS

PROJECT NUMBER 42.25527.0001 | FIGURE 2B



0 100 200

SCALE, FEET

EXPLANATION

— — — —	SITE BOUNDARY
— — — —	PROPOSED BUILDINGS
—·—·—·—	LIMIT OF ABOVEGROUND STORAGE TANK FARM
□ M2	EXCAVATION LOCATION AND DESIGNATION (MOBIL)
S6 ◯	SOIL STOCKPILE LOCATION AND DESIGNATION (MOBIL)
JALK 112	ABANDONED OIL WELL LOCATION AND DESIGNATION
• SB62-B	SOIL SAMPLE LOCATION AND DESIGNATION (MOBIL SAMPLE)

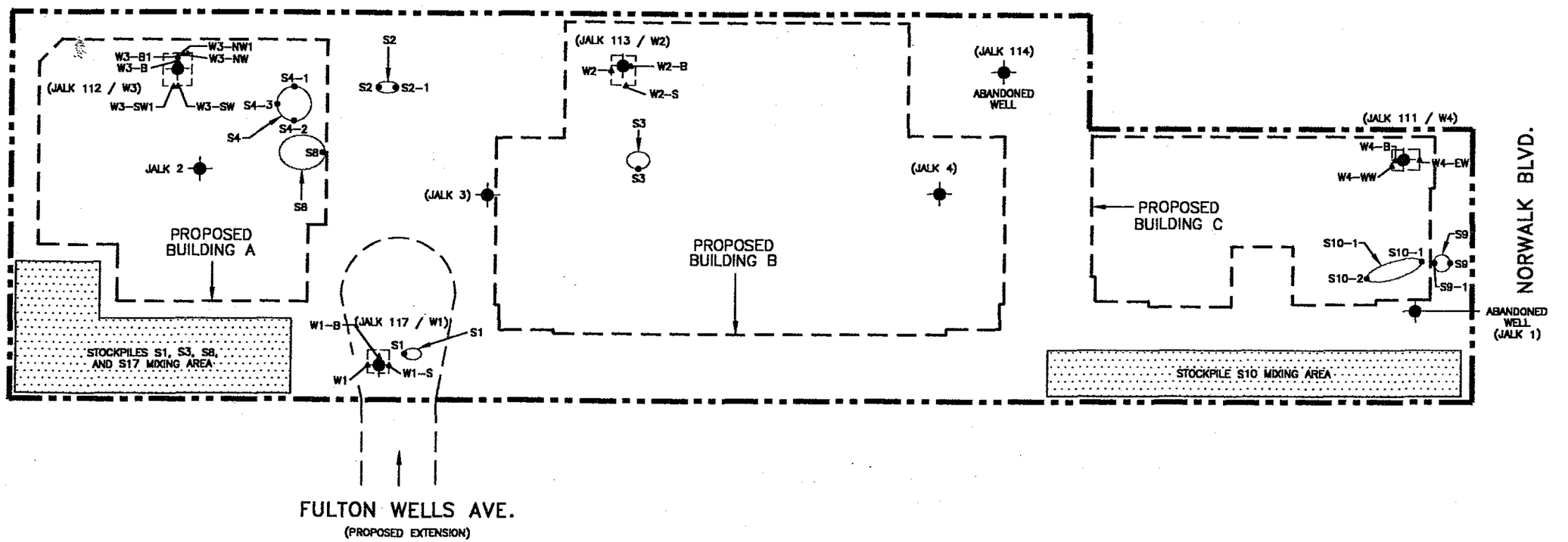
NOTES

1) ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
2) BUILDING LOCATION AND SITE BOUNDARY OBTAINED FROM DRAWING BY HILL PINCKERT ARCHITECTS, INC., DATED 21 JANUARY 2000
3) OIL WELL LOCATIONS OBTAINED FROM DRAWING BY HILL PINCKERT ARCHITECTS, INC., DATED 12 SEPTEMBER 1999
4) WHERE A SINGLE STOCKPILE DESIGNATION IS SHOWN, BOTH THE STOCKPILE NUMBER AND THE SAMPLE NUMBER ARE THE SAME (E.G. S12 IS THE NUMBER FOR STOCKPILE S12 AND THE NUMBER FOR SOIL SAMPLE S12.
5) "MOBIL" MEANS THAT THE EXCAVATION BECAME THE RESPONSIBILITY OF MOBIL OIL COMPANY AFTER INITIAL SAMPLING BY ATC

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

PIPING EXCAVATIONS, STOCKPILES AND SOIL SAMPLE LOCATIONS

PROJECT NUMBER 42.25527.0001 | FIGURE 3



EXPLANATION

- SITE BOUNDARY
- PROPOSED BUILDINGS
- JALK 112 / W3 — ABANDONED OIL WELL LOCATION NUMBER/ ATC EXCAVATION DESIGNATION
- W4-B — ABANDONED OIL WELL EXCAVATION SOIL SAMPLE LOCATION AND DESIGNATION
- ABANDONED OIL WELL EXCAVATION
- S9 — SOIL STOCKPILE LOCATION AND DESIGNATION
- S8 — SOIL STOCKPILE SOIL SAMPLE LOCATION AND DESIGNATION
- STOCKPILE MIXING AREA

NOTES

1) ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
2) BUILDING LOCATION AND SITE BOUNDARY OBTAINED FROM DRAWING BY HILL PINCKERT ARCHITECTS, INC., DATED 21 JANUARY 2000
3) OIL WELL LOCATIONS OBTAINED FROM DRAWING BY HILL PINCKERT ARCHITECTS INC., DATED 12 SEPTEMBER 1999

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

OIL WELL EXCAVATIONS AND SOIL SAMPLE LOCATIONS

PROJECT NUMBER 42.25527.0001 | FIGURE 4

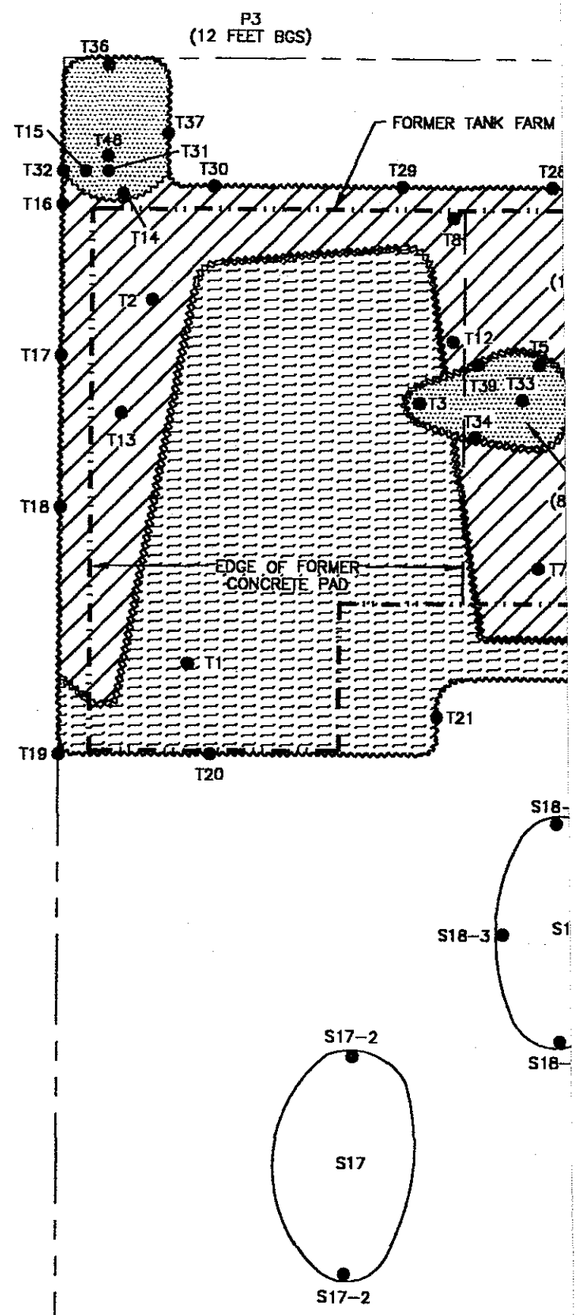
NORTH

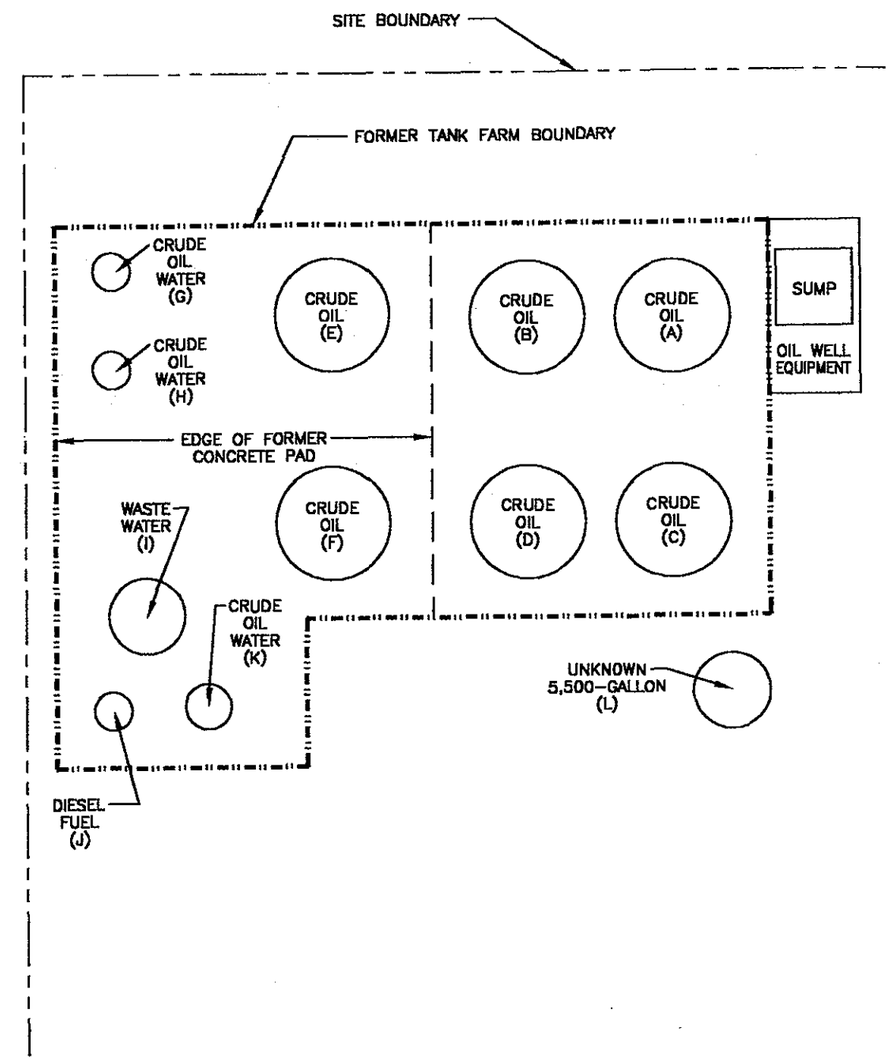
EXPLANATION

- ● T22 — SAMPLE LOCATION AND DESIGNATION (HATHAWAY)
- ● T14 — SAMPLE LOCATION AND DESIGNATION (MOBIL)
- P1 (10 FEET BGS) — EXCAVATION DESIGNATION AND DEPTH (IN PARENTHESES) IN FEET BGS
- S16 — STOCKPILE
- EXCAVATION BOUNDARIES
- FORMER TANK FARM CONTAINMENT
- FORMER SUMP
- 3 TO 4 FOOT EXCAVATION DEPTH
- 5 TO 6 FOOT EXCAVATION DEPTH
- 8 TO 12 FOOT EXCAVATION DEPTH

NOTES

1) ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
2) BASE MAP WAS DEVELDPED DURING A SITE RECONNAISSANCE CONDUCTED BY PERSONNEL FROM ATC ASSOCIATES INC.





EXPLANATION

- AST — ABOVEGROUND STORAGE TANK
- ○ DIESEL FUEL (J) — FORMER AST LOCATION AND REPORTED CONTENTS AND DESIGNATION

0 20 40
SCALE, FEET

NOTES

1) ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
2) BASE MAP WAS DEVELOPED DURING A SITE RECONNAISSANCE CONDUCTED BY PERSONNEL FROM ATC ASSOCIATES INC.

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

ABOVEGROUND STORAGE TANK FARM PRIOR TO ABANDONMENT

PROJECT NUMBER 42.25527.0001 | FIGURE 5A

APPENDIX A

REGULATORY STANDARDS

City of Santa Fe Springs

Headquarters Fire Station

11300 Greenstone Ave. • CA • 90670-4619 • (562) 944-9713 • Fax (562) 941-1817 • www.santafesprings.org

RECEIVED

OCT 2 7 2000

JNC ATC

October 19, 2000

Jon Lovegreen
ATC Environmental
17321 Irvine Blvd., Suite 200
Tustin, CA 92780-3010

Dear Mr. Lovegreen:

SUBJECT: WORKPLAN FOR SOIL SAMPLING AT THE HATHAWAY LEASE LOCATED AT 10607 NORWALK BOULEVARD IN SANTA FE SPRINGS, CALIFORNIA

The Santa Fe Springs Fire Department (SFSFD) has reviewed the above subject report submitted by ATC Associates Inc. on behalf of Hathaway Company. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the site is greatly appreciated.

The SFSFD approves the submitted workplan contingent upon the following conditions:

1. Soil samples collected in the aboveground tank farm shall be done in accordance with the attached diagram.

2. For future excavations, confirmation samples shall be collected at the bottom of the excavation and on two side walls for excavations less than 20 feet long on any side. For excavations exceeding twenty feet on any side, bottom and side wall confirmation samples shall be collected every 20 feet.

3. The clean up standards for the proposed work are as follows:

From ground surface to 6 feet:

Petroleum hydrocarbons ($C_4 - C_{12}$)	100 mg/kg
Petroleum hydrocarbons ($C_{12} - C_{22}$)	1,000 mg/kg
Petroleum hydrocarbons (greater than C_{22})	1,000 mg/kg
Volatile Organic Compounds	Industrial Preliminary Remediation Goals
Arsenic	12 mg/kg with supporting background information

Lead	Stockpiled soil with a total lead result greater than 130 mg/kg, will be transported offsite for legal treatment or disposal. If total lead exceeds 50 mg/kg, soluble analysis will be performed. If soluble analysis exceeds the STLC for lead of 5 mg/kg, the stockpiled will be transported offsite for treatment or disposal. If the soluble lead result is below 5 mg/l with the total result between 50 and 130 mg/kg, the soil will be left onsite and used as fill below future proposed parking lot areas or driveways.

Below 6 feet	
Petroleum hydrocarbons ($C_4 - C_{12}$)	500 mg/kg
Petroleum hydrocarbons ($C_{12} - C_{22}$)	1,000 mg/kg
Petroleum hydrocarbons (greater than C_{22})	10,000 mg/kg
Volatile Organic Compounds	To be determined
Arsenic and lead	Same as ground surface to six feet requirements

It is noted that metals other than arsenic and lead were "ruled out" in earlier site assessments.

4. Blending of crude oil contaminated soil with "clean" soil may be acceptable, provided it complies with any Department of Toxic Substance Control, Regional Water Quality Control Board, Department of Oil and Gas, and Air Quality Management District Requirements. Blended soil may be used elsewhere on site such as under paved parking lots and private driveways provided a scaled plot plan is submitted, precisely identifying the location and maximum concentration of the blended soil. Blended crude oil contaminated soil may not be used in the street.

5. EPA preparatory Method 5035 must be used for future soil sampling analysis for volatile organic compounds as required by the Los Angeles Regional Water Quality Control Board.

The City of Santa Fe Springs reserves the authority to re-evaluate this case and the clean up standards should future findings warrant such action.

Also, please be advised, a fee of $2,310.00 is due by November 22, 2000. This fee is based on 10 additional hours of time spent reviewing reports and attending meetings regarding this project. Our billing rate is $105.00 per hour. Also, three additional submittals pertaining to the site also require our review. A minimum fee of $420.00 is charged per report. Checks may be made payable to the City of Santa Fe Springs. Should you wish to expedite these plans additional fees will be required.

Please request soil sampling inspections a minimum of 24 hours in advance. Should you have any questions regarding this matter, please contact Environmental Protection Inspector Brenda Nelson at (562) 941-7483 extension 155. We will be happy to assist you in any way possible.

Sincerely,

Neal Welland

Neal Welland DK
Fire Chief

NW/bn

Enclosure

cc:

Walt Summers
Reliable Equipment Rentals, Inc.
8331 Commonwealth Avenue
Buena Park, CA 90621

F.E. Buddy Hand Jr.
Exxon/Mobil Environmental Remediation
1200 Timberloch Place
The Woodlands, Texas 77380

Pat Park
Hathaway Company
10607 Norwalk Blvd.
Santa Fe Springs, CA 90670

Bob Orpin
City of Santa Fe Springs
11710 Telegraph Road
Santa Fe Springs, CA 90670

Jeff Hensel
TRC
21 Technology Drive
Irvine, CA 92618

Andy Lazzaretto
City of Santa Fe Springs
11710 Telegraph Road
Santa Fe Springs, CA 90670

APPENDIX B

FIELD PROCEDURES

APPENDIX B

FIELD PROCEDURES

1. An ATC Associates Inc. representative was present to observe piping removal and removal of the former tank farm.

2. A Photoionization Air Monitor (Model 2020) brand organic vapor meter (OVM) calibrated to isobutylene was used to monitor soil samples from the piping removal excavations and the excavation following removal of the former tank farm.

3. The OVM monitoring involved placement of the field soil sample in a ziploc-type baggy, the soil was disaggregated for a few seconds, and then the reading was taken by inserting the OVM probe into the top of the ziploc-type baggy. Readings were recorded in the daily field report for the date the field sample was monitored.

4. In addition to use of the OVM, the excavations were examined for evidence of staining.

5. Observations regarding stained soil in the excavations were recorded in the daily field report for the date the observation was made and/or annotated on field drawings.

6. Soil samples (for laboratory analysis) were collected from the piping removal and tank farm excavations by driving a pre-washed brass or stainless steel sample tube into the soil with a slide hammer or hammer. The sample tubes ends were capped with teflon foil followed by polyvinyl chloride (PVC) endcaps.

7. Soil samples from the four abandoned oil well excavations were collected by driving the sample tubes in soil excavated from the bottom or walls of the excavation by the backhoe. The sample tubes were then capped, labeled and stored as described above in item 4.

8. Soil sample locations were recorded on field drawings and/or in the daily field report for the date the soil sample was collected.

9. The sampled tubes were annotated with the sample number, date of collection and the sampler's initials.

10. The samples were then placed in ziploc-type bags and stored in a portable ice chest cooled to approximately 40 degrees Fahrenheit with ice or dry ice.

11. The soil samples were delivered to a State-certified environmental laboratory within approximately 48 hours of collection using chain of custody procedures including use of a chain-of-custody form.

APPENDIX C

LABORATORY REPORT AND CHAIN OF CUSTODY – PIPING TRENCHES

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: SB1
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone: (714) 505-4010 Fax: (714) 505-4028

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: SB2
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: SB3
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	**31	10
C23>	ND	10

**Hydrocarbon does not display diesel pattern

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: SB4
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: SB5
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	**140	10
C23>	240	10

**Hydrocarbon does not display diesel pattern

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: SB6
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone: (714) 505-4010 Fax: (714) 505-4028

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: SB7
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-07
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone: (714) 505-4010 Fax: (714) 505-4028

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: SB8
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-08
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	**66	10
C23>	41	10

**Hydrocarbon does not display diesel pattern

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: SB9
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-09
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: SB10
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-10
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: SB11
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-11
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	**270	10
C23>	390	10

**Hydrocarbon does not display diesel pattern

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB12
Date Sampled: 8/16/00
Date Received: 8/16/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1947-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone: (714) 505-4010 Fax: (714) 505-4028

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB13
Date Sampled: 8/17/00
Date Received: 8/17/00
Date Extracted: 8/18/00
Date Analyzed: 8/18/00
Laboratory ID: T1952-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C23	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB14
Date Sampled: 8/17/00
Date Received: 8/17/00
Date Extracted: 8/18/00
Date Analyzed: 8/18/00
Laboratory ID: T1952-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C23	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB15
Date Sampled: 8/17/00
Date Received: 8/17/00
Date Extracted: 8/18/00
Date Analyzed: 8/18/00
Laboratory ID: T1952-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C23	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: SB16-B
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	2900	10
C13-C22	6800	10
C23>	3100	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	1800	10
C10-C22	8300	10
C22-C30	2100	10
>C30	1100	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: SB17-N
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	5000	10
C13-C22	11000	10
C23>	4700	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	2800	10
C10-C22	13000	10
C22-C30	3000	10
>C30	2400	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: SB18-S
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: SB19-E
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	2800	10
C13-C22	6800	10
C23>	3000	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	1600	10
C10-C22	8000	10
C22-C30	1400	10
>C30	1200	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: SB20-W
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	33	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	49	10
C22-C30	ND	10
>C30	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: SB21-B
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	320	10
C13-C22	1700	10
C23>	750	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	120	10
C10-C22	1800	10
C22-C30	670	10
>C30	420	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: SB22-N
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-07
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	580	10
C13-C22	2600	10
C23>	1100	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	220	10
C10-C22	3000	10
C22-C30	820	10
>C30	450	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: SB23-S
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-08
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	15	10
C23>	11	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	7.5	5
C22-C30	5	5
>C30	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: SB24-E
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-09
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	41	10
C23>	200	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	73	10
C22-C30	100	10
>C30	110	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: SB25-W
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-10
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	26	10
C23>	260	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	56	10
C22-C30	120	10
>C30	300	10

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ATC ASSOCIATES INC.

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Fax 714.734.0510

19 January 2001
42.25527.0001

The Hathaway Oil Company
P.O. Box 3404
Santa Fe Springs, CA 90670

Via U.S. Mail

Attention: Mr. Pat Park

SUBJECT: REPORT ENTITLED SUMMARY REPORT OF SOIL REMEDIATION AT HATHAWAY/JALK FEE LEASE PROPERTY, 10607 NORWALK BOULEVARD, SANTA FE SPRINGS, CALIFORNIA 90607 RETRANSMITTAL TO EXXONMOBIL

Dear Pat:

At your request, ATC Associates Inc. (ATC) is retransmitting to ExxonMobil another copy of the above referenced report dated 17 November 2000 and a brief summary document regarding how costs for oversight work at the site were apportioned between Hathaway Oil Company and ExxonMobil. Subsequent to our telephone conversation today, Ms. Maureen Toomey of Mobil Foundation called and requested that we send the document to F.E. Buddy Hand, Jr.'s attention in Houston, TX rather than the Bonaventure Hotel. She also requested that we send a copy of the report to ExxonMobil's consultant. As I anticipated that you would have no problem with the latter request, we are also transmitting a copy of that report to TRC Alton Geoscience.

Sincerely yours,
ATC ASSOCIATES INC.

JON R. LOVEGREEN
Certified Engineering Geologist No. EG 1164
Director, Technical Operations

enclosures
1. Referenced Report (transmitted to ExxonMobil and TRC)
2. Summary Cost Apportionment (Enclosed and transmitted to ExxonMobil)

cc: Mr. F.E. Buddy Hand, Jr., w/enc. via FedEx
Mr. Jeff Hensel, TRC, w/enc. via FedEx

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB26
Date Sampled: 8/21/00
Date Received: 8/21/00
Date Extracted: 8/22/00
Date Analyzed: 8/22/00
Laboratory ID: T1957-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB27
Date Sampled: 8/21/00
Date Received: 8/21/00
Date Extracted: 8/22/00
Date Analyzed: 8/22/00
Laboratory ID: T1957-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB28
Date Sampled: 8/21/00
Date Received: 8/21/00
Date Extracted: 8/22/00
Date Analyzed: 8/22/00
Laboratory ID: T1957-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB29
Date Sampled: 8/21/00
Date Received: 8/21/00
Date Extracted: 8/22/00
Date Analyzed: 8/22/00
Laboratory ID: T1957-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB30-B
Date Sampled: 8/21/00
Date Received: 8/21/00
Date Extracted: 8/22/00
Date Analyzed: 8/22/00
Laboratory ID: T1957-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	53	10
C13-C22	1700	10
C23>	320	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	56	10
C10-C22	1100	10
C22-C30	400	10
>C30	240	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB31
Date Sampled: 8/21/00
Date Received: 8/21/00
Date Extracted: 8/22/00
Date Analyzed: 8/22/00
Laboratory ID: T1957-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	31	10
C23>	230	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	40	10
C22-C30	84	10
>C30	100	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB32
Date Sampled: 8/21/00
Date Received: 8/21/00
Date Extracted: 8/22/00
Date Analyzed: 8/22/00
Laboratory ID: T1957-07
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	110	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	12	10
C22-C30	36	10
>C30	28	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB33
Date Sampled: 8/21/00
Date Received: 8/21/00
Date Extracted: 8/22/00
Date Analyzed: 8/22/00
Laboratory ID: T1957-08
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	600	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	180	10
>C30	360	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Co.

Sample ID: SB34
Date Sampled: 8/22/00
Date Received: 8/22/00
Date Extracted: 8/23/00
Date Analyzed: 8/23/00
Laboratory ID: T1959-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Co.

Sample ID: SB35
Date Sampled: 8/22/00
Date Received: 8/22/00
Date Extracted: 8/23/00
Date Analyzed: 8/23/00
Laboratory ID: T1959-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	21	10
C23>	130	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Co.

Sample ID: SB36
Date Sampled: 8/22/00
Date Received: 8/22/00
Date Extracted: 8/23/00
Date Analyzed: 8/23/00
Laboratory ID: T1959-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	99	10
C23>	4100	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Co.

Sample ID: SB37
Date Sampled: 8/22/00
Date Received: 8/22/00
Date Extracted: 8/23/00
Date Analyzed: 8/23/00
Laboratory ID: T1959-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	84	10
C23>	1100	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB38
Date Sampled: 8/23/00
Date Received: 8/25/00
Date Extracted: 8/28/00
Date Analyzed: 8/28/00
Laboratory ID: T1969-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB39
Date Sampled: 8/24/00
Date Received: 8/25/00
Date Extracted: 8/28/00
Date Analyzed: 8/28/00
Laboratory ID: T1969-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	16	10
C13-C22	2500	10
C23>	3400	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB40
Date Sampled: 8/24/00
Date Received: 8/25/00
Date Extracted: 8/28/00
Date Analyzed: 8/28/00
Laboratory ID: T1969-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	180	10
C23>	1200	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB41
Date Sampled: 8/24/00
Date Received: 8/25/00
Date Extracted: 8/28/00
Date Analyzed: 8/28/00
Laboratory ID: T1969-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB42
Date Sampled: 8/24/00
Date Received: 8/25/00
Date Extracted: 8/28/00
Date Analyzed: 8/28/00
Laboratory ID: T1969-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB43
Date Sampled: 8/24/00
Date Received: 8/25/00
Date Extracted: 8/28/00
Date Analyzed: 8/28/00
Laboratory ID: T1969-07
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	45	10
C23>	510	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB44
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-09
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB45
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-10
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB46
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-11
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	35	10
C23>	500	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB47
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-12
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB48
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-13
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C8-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB48
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-13
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	43.47	109
Toluene-d8	40.79	102
4-Bromofluorobenzene	38.85	97

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	19	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB49
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-14
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	19	10
C13-C22	150	10
C23>	710	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB49
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-14
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	42.17	105
Toluene-d8	41.75	104
4-Bromofluorobenzene	35.67	89

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	100,000	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB50
Date Sampled: 8/29/00
Date Received: 8/30/00
Date Extracted: 8/30/00
Date Analyzed: 8/31/00
Laboratory ID: T1979-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB50
Date Sampled: 8/29/00
Date Received: 8/30/00
Date Analyzed: 8/31/00
Laboratory ID: T1979-01
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	45.75	114
Toluene-d8	41.02	103
4-Bromofluorobenzene	37.19	93

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	840	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB51
Date Sampled: 8/29/00
Date Received: 8/30/00
Date Analyzed: 8/31/00
Laboratory ID: T1979-02
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	44.00	110
Toluene-d8	41.23	103
4-Bromofluorobenzene	37.90	95

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	65	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB52
Date Sampled: 8/29/00
Date Received: 8/30/00
Date Extracted: 8/30/00
Date Analyzed: 8/31/00
Laboratory ID: T1979-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB52
Date Sampled: 8/29/00
Date Received: 8/30/00
Date Analyzed: 8/31/00
Laboratory ID: T1979-03
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	46.35	116
Toluene-d8	42.10	105
4-Bromofluorobenzene	36.83	92

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB53
Date Sampled: 8/29/00
Date Received: 8/30/00
Date Extracted: 8/30/00
Date Analyzed: 8/31/00
Laboratory ID: T1979-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	32	10
C23>	690	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB54
Date Sampled: 8/29/00
Date Received: 8/30/00
Date Extracted: 8/30/00
Date Analyzed: 8/31/00
Laboratory ID: T1979-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	16	10
C23>	190	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB55
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB56
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	17	10
C23>	300	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB57
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	22	10
C23>	160	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB58
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	37	10
C23>	480	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB59
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	30	10
C23>	340	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB60-B
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB61-NW
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-07
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB62-B
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-08
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	110	10
C13-C22	890	10
C23>	390	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB63-EW
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-09
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	110	10
C23>	360	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: SB64
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Extracted: 9/5/00
Date Analyzed: 9/5/00
Laboratory ID: T1995-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: SB65
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Extracted: 9/5/00
Date Analyzed: 9/5/00
Laboratory ID: T1995-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	33	10
C23>	140	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: SB66
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Extracted: 9/5/00
Date Analyzed: 9/5/00
Laboratory ID: T1995-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	32	10
C23>	200	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: SB67
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Extracted: 9/5/00
Date Analyzed: 9/5/00
Laboratory ID: T1995-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: SB67
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Analyzed: 9/10/00
Laboratory ID: T1995-04
Matrix: Soil

Surrogate Compounds	Conc.(ug/Kg)	%Rec.
Dibromofluoromethane	40.52	101
Toluene-d8	40.15	100
4-Bromofluorobenzene	37.42	94

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	23	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: SB68
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Extracted: 9/5/00
Date Analyzed: 9/5/00
Laboratory ID: T1995-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: SB68
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Analyzed: 9/10/00
Laboratory ID: T1995-05
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	41.74	104
Toluene-d8	39.91	100
4-Bromofluorobenzene	38.64	97

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: SB69
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Extracted: 9/5/00
Date Analyzed: 9/5/00
Laboratory ID: T1995-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	40	10
C23>	300	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: SB70
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Extracted: 9/5/00
Date Analyzed: 9/5/00
Laboratory ID: T1995-07
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: SB70
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Analyzed: 9/10/00
Laboratory ID: T1995-07
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	39.72	99
Toluene-d8	40.05	100
4-Bromofluorobenzene	37.30	93

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	9	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: SB71
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Extracted: 9/5/00
Date Analyzed: 9/5/00
Laboratory ID: T1995-08
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: SB71
Date Sampled: 8/31/00
Date Received: 8/31/00
Date Analyzed: 9/10/00
Laboratory ID: T1995-08
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	43.38	108
Toluene-d8	40.27	101
4-Bromofluorobenzene	42.38	106

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: 01SB72
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Extracted: 9/8/00
Date Analyzed: 9//8/00
Laboratory ID: T2006-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: 02SB73-B
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Extracted: 9/8/00
Date Analyzed: 9//8/00
Laboratory ID: T2006-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	36	10
C13-C22	490	10
C23>	510	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: 03SB74-WW
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Extracted: 9/8/00
Date Analyzed: 9//8/00
Laboratory ID: T2006-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	39	10
C13-C22	430	10
C23>	570	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: 04SB75
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Extracted: 9/8/00
Date Analyzed: 9//8/00
Laboratory ID: T2006-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	63	10
C23>	470	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: 05SB76
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Extracted: 9/8/00
Date Analyzed: 9//8/00
Laboratory ID: T2006-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: 05SB76
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Analyzed: 9/11/00
Laboratory ID: T2006-05
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	37.77	94
Toluene-d8	39.33	98
4-Bromofluorobenzene	39.73	99

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: 06SB77
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Extracted: 9/8/00
Date Analyzed: 9//8/00
Laboratory ID: T2006-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	490	10
C23>	1700	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: 06SB77
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Analyzed: 9/11/00
Laboratory ID: T2006-06
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	41.71	104
Toluene-d8	38.92	97
4-Bromofluorobenzene	38.17	95

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	7,200	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: 07SB78
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Extracted: 9/8/00
Date Analyzed: 9//8/00
Laboratory ID: T2006-07
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: 07SB78
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Analyzed: 9/11/00
Laboratory ID: T2006-07
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	40.89	102
Toluene-d8	39.53	99
4-Bromofluorobenzene	39.18	98

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: 08SB79
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Extracted: 9/8/00
Date Analyzed: 9//8/00
Laboratory ID: T2006-08
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
bathaway Company

Sample ID: 08SB79
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Analyzed: 9/11/00
Laboratory ID: T2006-08
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	38.95	97
Toluene-d8	39.51	99
4-Bromofluorobenzene	38.07	95

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: SB80
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2008-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	14	10
C23>	330	10

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: SB80
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2008-01
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Arsenic	ND	1

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: SB81
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2008-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: SB81
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Analyzed: 9/12/00
Laboratory ID: T2008-02
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	40.16	100
Toluene-d8	39.19	98
4-Bromofluorobenzene	36.58	91

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	90	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: SB82
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2008-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	18	10
C23>	260	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: SB82
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Analyzed: 9/12/00
Laboratory ID: T2008-03
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	40.55	101
Toluene-d8	38.86	97
4-Bromofluorobenzene	38.00	95

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	150	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: SB83
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2008-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: SB83
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Analyzed: 9/12/00
Laboratory ID: T2008-04
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	42.59	106
Toluene-d8	39.01	98
4-Bromofluorobenzene	38.91	97

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	330	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: SB84
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2008-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	35	10
C23>	530	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: SB84
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Analyzed: 9/12/00
Laboratory ID: T2008-05
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	39.78	99
Toluene-d8	39.33	98
4-Bromofluorobenzene	36.33	91

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	70	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: SB85
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2008-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: SB85
Date Sampled: 9/4/00
Date Received: 9/5/00
Date Analyzed: 9/12/00
Laboratory ID: T2008-06
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	40.88	102
Toluene-d8	39.24	98
4-Bromofluorobenzene	38.37	96

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB86
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2010-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB86
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Analyzed: 9/12/00
Laboratory ID: T2010-01
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	38.49	96
Toluene-d8	39.92	100
4-Bromofluorobenzene	38.70	97

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	8	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	9,500	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB87
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2010-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	230	10
C23>	590	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB87
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Analyzed: 9/12/00
Laboratory ID: T2010-02
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	49.05	123
Toluene-d8	40.85	102
4-Bromofluorobenzene	39.69	99

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	43	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB88-B
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2010-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	710	10
C13-C22	7700	10
C23>	1200	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB88-B
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Analyzed: 9/12/00
Laboratory ID: T2010-03
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	38.89	97
Toluene-d8	39.49	99
4-Bromofluorobenzene	36.67	92

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	38	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	15	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	23	5
1,2-Dichloroethane	ND	5
Trichloroethene	170	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	.ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	49	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	320	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	200	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	350	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	13	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	130	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	24	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	1,400	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB89-WW
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2010-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	1100	10
C13-C22	4800	10
C23>	780	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB89-WW
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Analyzed: 9/12/00
Laboratory ID: T2010-04
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	38.01	95
Toluene-d8	39.89	100
4-Bromofluorobenzene	48.37	121

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	7	5
1,2-Dichloroethane	ND	5
Trichloroethene	19	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	9	5
tert-Butylbenzene	9	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	7	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	37	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB90-NW
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2010-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	5600	10
C13-C22	6400	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB91
Date Sampled: 9/22/00
Date Received: 9/22/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2064-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23+	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: SB92
Date Sampled: 9/22/00
Date Received: 9/22/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2064-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23+	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: A2-B
Date Sampled: 9/7/00
Date Received: 9/7/00
Date Extracted: 9/25/00
Date Analyzed: 9/25/00
Laboratory ID: T2013-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	13	10
C13-C22	5400	10
C23>	340	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 8/22/00
Date Analyzed: 8/22/00
Laboratory ID: T1957-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Co.

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 8/23/00
Date Analyzed: 23-Aug
Laboratory ID: T1959-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 8/28/00
Date Analyzed: 8/28/00
Laboratory ID: T1969-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 8/30/00
Date Analyzed: 8/31/00
Laboratory ID: T1979-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 9/5/00
Date Analyzed: 9/5/00
Laboratory ID: T1995-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 9/8/00
Date Analyzed: 9//8/00
Laboratory ID: T2006-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hataway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2008-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2010-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2064-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23+	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Analyzed: 8/31/00
Laboratory ID: T1979-MB
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	43.91	110
Toluene-d8	39.97	100
4-Bromofluorobenzene	38.47	96

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2.2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1.1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1.2-Dichloroethane	ND	5
Trichloroethene	ND	5
1.2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1.2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1.3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1.2.4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Analyzed: 10/6/00
Laboratory ID: T2097-MB
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	34.54	86
Toluene-d8	39.70	99
4-Bromofluorobenzene	37.49	94

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Quality Control Analysis EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Analyzed: 10/6/00
Batch: T-2097
Matrix: Soil
Sample Spiked: 2083-04

Matrix Spike and Matrix Spike Duplicate Analysis

								QC Limits	
Compound	Conc.Spike Added(µg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
1,1 Dichloroethene	100	0.1	79	79	84	84	6.1	20	75-125
Benzene	100	7.7	95	87	96	88	1.1	20	75-125
Trichloroethene	100	0.5	96	96	97	97	1.0	20	75-125
Toluene	100	0.7	92	91	92	91	0.0	20	75-125
Chlorobenzene	100	0.1	95	95	99	99	4.1	20	75-125

SunStar Laboratories, Inc.

TTLC Metal Analysis

MS/MSD Report

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Extracted: 9/27/00
Date Analyzed: 9/27/00
Batch: T-2071
Matrix: Soil
Sample Spiked: 2052-08

Metal Analysis by I.C.P. EPA 6010

							QC Limits	
Element	Amt Spiked	MS rec.	MS %	MSD rec.	MSD %	RPD	RPD	%Rec.
Arsenic	100	96	96	102	102	6.1	30	40-150
Barium	100	90	90	91	91	1.1	30	40-150
Cadmium	100	90	90	91	91	1.1	30	40-150
Chromium	100	90	90	91	91	1.1	30	40-150
Lead	100	89	89	91	91	2.2	30	40-150

TTLC= Total Threshold Limit Concentration.

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I-1440

ATC ASSOCIATES INC.

Chain of Custody

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS
17321 Irvine Blvd, 2nd Floor
Tustin, CA 92780-3010
(714) 734-0303 • Fax (714) 734-0510

Project Name: HATHWAY COMPANY

Project Number: 42.25527.0001

Project Manager: John Louisgnean

Laboratory Name: Sun Star Laboratories

Method of Shipment:

Special QA / QC:

Sample I.D.	Boring / Well	Depth / Time	Date of Collection	Matrix: Soil	Matrix: Water	Matrix: Other	Pres.: Ice	Pres.: Acid	TPH 8015 Modified Gas / Diesel	BTEX EPA 8020	BTEX / TPH EPA 8015 / 8020	TPH EPA 418.1	VOCs EPA 8260 / 8240	VOCs EPA 8021	BNAs EPA 8270					Lab ID
SB1	P1	3/9:00 Am	8/15/00	X					✓											01
SB2	P2	2/9:35	"	X					✓											02
SB3	P4	3/10:15	"	X					✓											03
SB4	P5	3/10:20	"	X					✓											04
SB5	P4	3/10:30	"	X					✓											05
SB6	P3	3/10:50	"	X					✓											06
SB7	P12	3/2:10 Pm	"	X					✓											07
SB8	West JALK117	3/3:00 Pm	"	X					✓											08
SB9	P11	3/3:30	"	X					✓											09
SB10	P11	3/3:45	"	X					✓											10
SB11	P11	3/4:10	"	X					✓											11
W1	Well #1 CAVITY	1/8:50 Am	"	X					✓											12
W2	Well #2 CAVITY	1/8:30	"	X					✓											13
S1	Stockpile #1	1/10:05	"	X					✓											14
S2	Stockpile #2	1/11:35	"	X					✓											15
S3	Stockpile #3	1/1:00	"	X					✓											16

Remarks: TPH/ 8015-M-GC
C6 - C10 -- GAS
C10 - C22 -- Diesel
C22 - C30 -- Motor oil
> C30

Relinquished by sampler	Date	Time	Received by
Nabhan Odeh	8/15/00	4:30	[signature]
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by laboratory / Date / Time

Turnaround Time
- Same Day ☐
- Priority Rush 1 Business Day ☐
- Rush 2 Business Days ☐
- Standard 5 to 10 Business Days ☒
- Other ___ Business Days ☐

ATC ASSOCIATES INC.

Chain of Custody

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS
17321 Irvine Blvd, 2nd Floor
Tustin, CA 92780-3010
(714) 734-0303 • Fax (714) 734-0510

Project Name: HATHAWAY [illegible]

Project Number: [illegible]

Project Manager: [illegible]

Laboratory Name: [illegible]

Method of Shipment: [illegible]

Special QA / QC: [illegible]

Sample I.D.	Boring / Well	Depth / Time	Date of Collection	Matrix: Soil	Matrix: Water	Matrix: Other	Pres.: Ice	Pres.: Acid	TPH 8015 Modified Gas__ Diesel__	BTEX EPA 8020	BTEX / TPH EPA 8015 / 8020	TPH EPA 418.1	VOCs EPA 8260 / 8240	VOCs EPA 8021	BNAs EPA 8270	Arsenic			
[illegible]	[illegible]	[illegible]	[illegible]	X					✓										
[illegible]	[illegible]	[illegible]							✓										
[illegible]	[illegible]	[illegible]							✓										
[illegible]	[illegible]	[illegible]							✓										
[illegible]	[illegible]	[illegible]							✓										
[illegible]	[illegible]	[illegible]							✓										
[illegible]	[illegible]	[illegible]							✓										
[illegible]	[illegible]	[illegible]							✓										
[illegible]	[illegible]	[illegible]							✓										
[illegible]	[illegible]	[illegible]							✓										
[illegible]	[illegible]	[illegible]							✓										
[illegible]	[illegible]	[illegible]							✓							X			
W1	[illegible]	[illegible]							✓										
W2	[illegible]	[illegible]							✓										
S1	[illegible]	[illegible]							✓										
S2	[illegible]	[illegible]							✓										
[illegible]	[illegible]	[illegible]							✓										

Remarks: [illegible]

Turnaround Time

- Same Day ☐
- Priority Rush 1 Business Day ☐
- Rush 2 Business Days ☐
- Standard 5 to 10 Business Days ☒
- Other ___ Business Days ☐

Relinquished by sampler	Date	Time	Received by
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by laboratory	Date	Time

ATC ASSOCIATES INC.

Chain of Custody

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS
17321 Irvine Blvd, 2nd Floor
Tustin, CA 92780-3010
(714) 734-0303 • Fax (714) 734-0510

Project Name: HATHAWAY COMPANY
Project Number: 42.25527.0001
Project Manager: John Lowgreen

Laboratory Name: SunStar Laboratories
Method of Shipment: Pickup from Field
Special QA / QC:

Sample I.D.	Boring / Well	Depth / Time	Date of Collection	Matrix: Soil	Matrix: Water	Matrix: Other	Pres.: Ice	Pres.: Acid	TPH 8015 Modified Gas__ Diesel__	BTEX EPA 8020	BTEX / TPH EPA 8015 / 8020	TPH EPA 418.1	VOCs EPA 8260 / 8240	VOCs EPA 8021	BNAs EPA 8270					Lab ID
W1-B	Well #1	1'/8:20	8/16/00	X					✓											01
W1-S	"	8'/8:25	"	X					✓											02
W2-B	Well #2	1'/8:40	"	X					✓											03
W2-S	"	8'/8:45	"	X					✓											04
S4-1	Well #3 Stockpile	1'/10:40	"	X					✓											05
SB12	P14	1'/1:40	8/16/00	X					✓											06
S4-2	W#3 Stockpile	1'/2:50	8/16/00	X					✓											07
SG-1	W#1	1'/9:45														HOLD				08
SG-2	W#2	1'/11:00														HOLD				09

Remarks:
TPH/8015M-cc
Carbon chain
C6 - C10
C10 - C22
C22 - C30
> C30

Turnaround Time
- Same Day ☐
- Priority Rush 1 Business Day ☐
- Rush 2 Business Days ☐
- Standard 5 to 10 Business Days ☒
- Other ___ Business Days ☐

Relinquished by	Date	Time	Received by	Date	Time
Nabhan Odeh	8/16/00		[illegible]	8/16/00	
Relinquished by	Date	Time	Received by		
Relinquished by	Date	Time	Received by laboratory	Date	Time

ATC ASSOCIATES INC.

T-1952

Chain of Custody

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS
17321 Irvine Blvd, 2nd Floor
Tustin, CA 92780-3010
(714) 734-0303 • Fax (714) 734-0510

Project Name: HATHAWAY COMPANY

Project Number: 42.25527.0001

Project Manager: John Lovegreen

Laboratory Name: SunStar

Method of Shipment: Pickup From Field

Special QA / QC:

Sample I.D.	Boring / Well	Depth / Time	Date of Collection	Matrix: Soil	Matrix: Water	Matrix: Other	Pres.: Ice	Pres.: Acid	TPH 8015 Modified Gas __ Diesel __	BTEX EPA 8020	BTEX / TPH EPA 8015 / 8020	TPH EPA 418.1	VOCs EPA 8260 / 8240	VOCs EPA 8021	BNAs EPA 8270					Lab ID
S5	Stockpile	1½'	8/17	X					✓											01
SB13	P16	1'	8/17	X					✓											02
SB14	P18	1'	8/17	X					✓											03
SB15	P19	1'	8/17	X					✓											04

Remarks:
Carbon chain
TPH/8015 M-cc
C6 - C10
C10 - C22
C22 - C30
> C30

Turnaround Time:
- Same Day ☐
- Priority Rush 1 Business Day ☐
- Rush 2 Business Days ☒ Per Quita
- Standard 5 to 10 Business Days ☐
- Other ___ Business Days ☐

Relinquished by	Date	Time	Received by	Date	Time
Nathan Odell	8/17/00		[illegible]	8/17/00	
Relinquished by	Date	Time	Received by		
Relinquished by	Date	Time	Received by laboratory	Date	Time

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc
Address: 17321 Irvine Blvd, 2nd Floor, Tustin, CA 92780
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lowgreen

Date: 8-18-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42-25527.0001
Batch #: 1454 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline) Ext.	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals				Laboratory ID #	Preservative	Comments	Total # of containers
SB16 - B	8/18/00	9:30A	Soil	Brass						X							01		Carbon Chain	1
SB17 - N	"	9:35	"	"						X							02		TPH/8015M - CC	1
SB18 - S	"	9:40	"	"						X							03			1
SB19 - E	"	9:45	"	"						X							04		C6 - C10	1
SB20 - W	"	9:50	"	"						X							05		C10 - C22	1
SB21 - B	"	10:10	"	"						X							06		C22 - C36	1
SB22 - N	"	11:15	"	"						X							07		>C36	1
SB23 - S	"	11:20	"	"						X							08			1
SB24 - E	"	11:25	"	"						X							09			1
SB25 - W	"	11:30	"	"						X							10			1
SB6 - 1	"	1:10 PM	"	"						X							11			1
SB6 - 2	"	1:30	"	"						X							12			1
SB7 - 1	"	1:35	"	"						X							13			1
SB7 - 2	"	1:40	"	"						X							14			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	8/18/00	Mark [illegible]	8/18/00
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 14
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold
Turn around time: 48hr

Notes
* 48-Hour Turn Around analysis

Sample disposal instructions: Disposal @ $2.00 each Return to client Pickup

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc
Address: 17321 Irvine Blvd., Tustin, CA 92780
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovejoy

Date: 8-21-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odoh Client Project #: 42.25527.0001
Batch #: 1957 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-cc			Laboratory ID #	Preservative	Comments	Total # of containers
SB26	8/21/00	9:30 AM	Soil	Brass										✓			01		Carbon chain	1
SB27	"	9:50	"											✓			02		TPH 8015M-cc	1
SB28	"	10:15	"											✓			03			1
SB29	"	11:30	"											✓			04		C6 - C10	1
SB30-B	"	12:15	"											✓			05		C10 - C22	1
SB31	"	1:20	"											✓			06		C22 - C30	1
SB32	"	1:30	"											✓			07		>C30	1
SB33	"	1:45	"											✓			08			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nathan Odoh	8-21-00 3:30 pm	[illegible]	8/21/00 3:30 pm
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 8
Chain of Custody seals Y/N/NA:
Seals intact? Y/N/NA:
Received good condition/cold:

Turn around time: 48 hr

Notes: 48 hr Analysis

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc
Address: 17321 Irvine Blvd., 2nd. Floor, Tustin CA.
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 8-22-00 Page: 1 Of 1
Project Name: Hathaway Co
Collector: N. Odeh Client Project #: 42.25527.0001
Batch #: T-1959 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015 M-CC			Laboratory ID #	Preservative	Comments	Total # of containers
SB34	8/22/00	9:30 AM	Soil	Brass										✓			01		Carbon Chain	1
SB 35	"		"	"										✓			02			1
SB 36	"		"	"										✓			03		$C_6 - C_{10}$	1
SB 37	"		"	"										✓			04		$C_{10} - C_{22}$	1
SB 8	"		"	"										✓			05		$C_{22} - C_{30}$	1
																			$> C_{30}$	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabihan Odeh	8/22/00	[illegible]	8-22-00 3:45
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 5
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/Cold

Turn around time: 48 hrs

Notes
48 hrs Analysis

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd, 2nd Floor, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 8-25-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42.25527.0001
Batch #: 1969 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M - cc			Laboratory ID #	Preservative	Comments	Total # of containers
SB38	8/23/00	12:30 PM	Soil	Brass										✓			01		Carbon chain	1
SB39	8/24/00	10 Am	"	"										✓			02		C6 - C10	1
SB40	"	11:30 Am	"	"										✓			03		C10 - C22	1
SB	"	12:30 PM	"	"										✓			04		C22 - C30	1
SB41	"	1:30	"	"										✓			05		>C30	1
SB42	"	2:15	"	"										✓			06			1
SB43	"	2:30	"	"										✓			07			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	8/25/00	[illegible]	8/25/00 3:10
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 47
Chain of Custody seals Y/N/NA:
Seals intact? Y/N/NA:
Received good condition/cold:

Turn around time: 48 hr.

Notes: 48-Hour Analysis

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc
Address: 17321 Irvine Blvd, 2nd Flor, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 8/28/00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42.25527.002
Batch #: 1974 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260B VOC's	EPA 8270 Semi-VOC's	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-cc	8080 PCBs		Laboratory ID #	Preservative	Comments	Total # of containers
S10-1	8/28/00	11:15 A	Soil	Brass				X						X	X		01		Carbon Chain	
S10-2	"	11:30	"	"				X						X	X		02		C6-C10	
W4-B	"	1:30 P	"	"			X							X			03		C10-C22	
W4-EW	"	1:45	"	"			X							X			04		C22-C30	
W4-WW	"	2:00	"	"			X							X			05		>C30	
W3-B	"	11:45	"	"			X							X			06			
W3-SW	"	12:00	"	"			X							X			07			
W3-NW	"	12:15	"	"			X							X			08			
SB44	"	8:00	"	"										X			09			
SB45	"	8:20	"	"										X			10			
SB46	"	9:00	"	"										X			11			
SB47	"	9:15	"	"										X			12			
SB48	"	9:30	"	"			X							X			13			
SB49	"	10:00	"	"			X							X			14			

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	8/28/00	[illegible]	8/28/00 15:30
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 14
Chain of Custody seals Y/N/NA: N
Seals intact? Y/N/NA:
Received good condition/cold:
Turn around time: 48 hrs.

Notes

Sample disposal instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc
Address: 17321 Irvine Bld. 2nd Floor, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 8/29/00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: Al Odah Client Project #: 42-25527.0001
Batch #: T-1979 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260 B - VOC's	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-CC			Laboratory ID #	Preservative	Comments	Total # of containers
SB50	8/29/00	11:10 pm	Soil	Brass			X							X			C1		Carbon Chain	1
SB51	"	11:30	"	"			X							X			C2		8015M-CC	1
SB52	"	11:45	"	"			X							X			C3		C6 - C10	1
SB53	"	2:10	"	"										X			C4		C10 - C22	1
SB54	"	2:30	"	"										X			C5		C22 - C30	1
																			> C22	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	8/29/00 3:30	[illegible]	8-29-00 3:30 pm
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
			8/30/00
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 5
Chain of Custody seals Y/N/NA: (N)
Seals intact? Y/N/NA:
Received good condition/cold: (C)

Turn around time: 48 hr.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc.
Address: 7321 Irvine Blvd, 2nd Floor, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 8/30/00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odell Client Project #: 42-25527-0001
Batch #: 1987 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-CC			Laboratory ID #	Preservative	Comments	Total # of containers
SB55	8/30/00		Soil	Brass										X			01		Carbon Chain	1
SB56	"		"	"													02			1
SB57	"		"	"													03		C6-C10	1
SB58	"		"	"													04		C10-C22	1
SB59	"		"	"													05		C22-C30	1
SB60-B	"		"	"													06		>C30	1
SB61-NW	"		"	"													07			1
SB62-B	"		"	"													08			1
SB63-EW	"		"	"													09			1
S11	"		"	"													10			1
S12	"		"	"										X			11			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabham Odeh	8/30/00	J. [illegible]	8-30-00 3:10 pm
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers 11
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 hrs!

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

shelf 32

Client: ATC
Address: 17321 Irvine Boulevard 2nd Floor
Phone: (714) 734-0303 Fax:
Project Manager: J. Lovegreen

Date: 8/31/00 Page: 1 Of 1
Project Name: Hathaway
Collector: A Martinez Client Project #: 42 25527.000 1
Batch #: 1995 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	TPH-carbon chain		Arsenic	Laboratory ID #	Preservative	Comments	Total # of containers
SB64	8/31/00	7:25	soil	sleeve										X			01			
SB65		8:30												X			02			
SB66		9:05												X		X	03		Arsenic	
SB67		10:00					X							X		X	04		Arsenic	
SB68		10:10					X							X			05			
SB69		12:00												X			06			
SB70		12:40					X							X			07			
SB71		2:20					X							X			08			

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
acm	8/31/00	[signature]	8/31/00
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 hr

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: A+C Assoc.
Address:
Phone: Fax:
Project Manager: John Lovegreen

Date: 9-1-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: Nubbin Client Project #: 42.25527.0001
Batch #: T-2006 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015 CL			Laboratory ID #	Preservative	Comments	Total # of containers
SB 72	9-1-00	11:30	Soil	Brass										X			01			1
SB 73-B		11:45															02		C 6-10	1
SB 74-WW		11:55															03		C 10-22	1
SB 75		12:30															04		C 22-30	1
SB 76		12:35					X										05		C 30+	1
SB 77		12:45					X										06			1
SB 78		12:50					X										07			1
SB 79		1:30					X										08			1
S 13		12:10												X			09			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nubbin Cobb	9/1/00	[signature]	9-1-00 3:30pm
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 9
Chain of Custody seals Y/N/NA: NA
Seals intact? Y/N/NA: NA
Received good condition/Cold: Cold

Turn around time: N

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc
Address: 17321 Irvine Blvd., Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lanegnean

Date: 9-4-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42.25527.0001
Batch #: T2008 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260 B	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-CC			Laboratory ID #	Preservative	Comments	Total # of containers
SB80	9/4/00		Soil	Brass										X			01	None	Carbon Chain	1
SB81							X							X			02		C6 - C10	1
SB82							X							X			03		C10 - C22	1
SB83							X							X			04		C22 - C30	1
SB84							X							X			05		> C32	1
SB85							X							X			06			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabshen Odeh	9/5/00	[illegible]	9/5/00 1530
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 6
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold
Turn around time: 48 hrs.

Notes

Sample disposal Instructions Disposal @ $2.00 each ____ Return to client ____ Pickup ____

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc
Address: [illegible]
Phone: [illegible] Fax: [illegible]
Project Manager: [illegible]

Date: [illegible] Page: [illegible] Of [illegible]
Project Name: [illegible]
Collector: [illegible] Client Project #: [illegible]
Batch #: [illegible] Proposal #: [illegible]

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260 B	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	[illegible]		Arsenic	Laboratory ID #	Preservative	Comments	Total # of containers
[illegible]	[illegible]		[illegible]	[illegible]										X		X				
[illegible]							X							X						
[illegible]							X							X						
[illegible]							X							X						
[illegible]							X							X						
[illegible]							X							X						
						X														
																	X			

Arsenic

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nicholas Odle	9/5/10	[illegible]	9/5/10 [illegible]
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: [illegible]
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: [illegible]

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd 2nd Flr, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 9-6-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42.25527.0001
Batch #: T2010 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260 B	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-CC			Laboratory ID #	Preservative	Comments	Total # of containers
SB86	9/6/00	9 Am	Soil	Brass			X							X			01		Carbon Chain	1
SB87	↓	1:30 pm	↓	↓			X							X			02			1
SB88-B		2:15					X							X			03		C_6-C_{10}	1
SB89-WW		2:25					X							X			04		$C_{10}-C_{22}$	1
SB90-NW		2:30												X			05		$C_{22}-C_{30}$	1
S14		2:35												X			06		$>C_{30}$	1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nathan Odeh	9/6/00	[illegible]	9/6/00 3:45pm
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 6
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 Hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd. 2nd Floor, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovespreen

Date: 9-7-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42.25527.0001
Batch #: 2013 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-cc			Laboratory ID #	Preservative	Comments	Total # of containers
S15	9-7-00	10:50A	Soil	Brass										X			01		Carbon Chain	1
A2-B	9-7-00	11:00A	"	"								H	O	L	D		02			1
T1-1	9-7-00	2:30PM	"	"								H	O	L	D		03		C4-C12	1
																			C13-C22	
																			>C22	
																			"Hold Sample A2-B and T1-1"	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nakhan Odeh	9/7/00	[illegible]	9/7/00
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 3
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 Hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

APPENDIX D

LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS – FOUR ABANDONED OIL WELLS

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W1-B
Date Sampled: 8/16/00
Date Received: 8/16/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1947-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone: (714) 505-4010 Fax: (714) 505-4028

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W1-B
Date Sampled: 8/16/00
Date Received: 8/16/00
Date Analyzed: 8/29/00
Laboratory ID: T1947-01
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	37.81	95
Toluene-d8	40.38	101
4-Bromofluorobenzene	36.38	91

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: W1
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-12
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W1-S
Date Sampled: 8/16/00
Date Received: 8/16/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1947-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W1-S
Date Sampled: 8/16/00
Date Received: 8/16/00
Date Analyzed: 8/29/00
Laboratory ID: T1947-02
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	40.61	102
Toluene-d8	40.71	102
4-Bromofluorobenzene	37.87	95

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W2-B
Date Sampled: 8/16/00
Date Received: 8/16/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1947-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	78	10
C23>	180	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	130	10
C22-C30	70	10
>C30	100	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W2-S
Date Sampled: 8/16/00
Date Received: 8/16/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1947-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: W2
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-13
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W3-B
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W3-B
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-06
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	43.53	109
Toluene-d8	40.62	102
4-Bromofluorobenzene	36.80	92

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: ATC Associates, Inc.
Project Manager: John Lovegreen
Project Name: Hathaway Company
Laboratory ID: T2041-01
Matrix: Soil

Sample ID: W3-B1
Date Sampled: 9/15/00
Date Received: 9/18/00
Date Extracted: 9/20/00
Date Analyzed: 9/20/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	48.51	97.0
Phenol-d6	30.56	61.1
Nitrobenzene-d5	28.18	56.4

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	45.72	91.4
2,4,6-Tribromophenol	44.95	89.9
Terphenyl-d14	64.28	128.6

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthrancene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W3-SW
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-07
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W3-SW
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-07
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	42.03	105
Toluene-d8	39.73	99
4-Bromofluorobenzene	37.51	94

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	1o
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: ATC Associates, Inc.
Project Manager: John Lovegreen
Project Name: Hathaway Company
Laboratory ID: T2041-03
Matrix: Soil

Sample ID: W3-SW1
Date Sampled: 9/15/00
Date Received: 9/18/00
Date Extracted: 9/20/00
Date Analyzed: 9/20/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	45.17	90.3
Phenol-d6	28.36	56.7
Nitrobenzene-d5	36.85	73.7

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	40.22	80.4
2,4,6-Tribromophenol	49.08	98.2
Terphenyl-d14	47.89	95.8

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthrancene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W3-NW
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-08
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W3-NW
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-08
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	42.93	107
Toluene-d8	40.48	101
4-Bromofluorobenzene	37.36	93

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: ATC Associates, Inc.
Project Manager: John Lovegreen
Project Name: Hathaway Company
Laboratory ID: T2041-02
Matrix: Soil

Sample ID: W3-NW1
Date Sampled: 9/15/00
Date Received: 9/18/00
Date Extracted: 9/20/00
Date Analyzed: 9/20/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	43.60	87.2
Phenol-d6	28.84	57.7
Nitrobenzene-d5	27.15	54.3

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	41.19	82.4
2,4,6-Tribromophenol	45.32	90.6
Terphenyl-d14	62.49	125.0

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobuladiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthrancene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W4-B
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W4-B
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-03
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	43.47	109
Toluene-d8	40.14	100
4-Bromofluorobenzene	37.23	93

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W4-EW
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W4-EW
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-04
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	41.78	104
Toluene-d8	39.74	99
4-Bromofluorobenzene	38.36	96

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W4-WW
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	15	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: W4-WW
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-05
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	43.32	108
Toluene-d8	42.23	106
4-Bromofluorobenzene	39.17	98

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1947-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

Compound	Concentration (mg/Kg)	ction Limit (mg/Kg)
C6-C10	ND	10
C10-C22	ND	10
C22-C30	ND	10
>C30	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 10/3/00
Date Analyzed: 10/5/00
Laboratory ID: T2097-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Quality Control Analysis EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Analyzed: 10/5/00
Batch: T-2097
Matrix: Soil
Sample Spiked: 2097-04

Matrix Spike and Matrix Spike Duplicate Analysis

								QC Limits	
Compound	Conc. Spike Added (mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
8015M TPH	500	0	546	109.2	578	115.6	5.7	20	70-130

SunStar Laboratories, Inc.

Quality Control Analysis EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Analyzed: 9/29/00
Batch: T-2079
Matrix: Soil
Sample Spiked: 2060-16

Matrix Spike and Matrix Spike Duplicate Analysis

								QC Limits	
Compound	Conc.Spike Added(µg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
1,1 Dichloroethene	100	0.0	106	106	100	100	5.8	20	75-125
Benzene	100	0.0	102	102	99	99	3.0	20	75-125
Trichloroethene	100	0.0	112	112	108	108	3.6	20	75-125
Toluene	100	0.0	104	104	101	101	2.9	20	75-125
Chlorobenzene	100	0.0	105	105	102	102	2.9	20	75-125

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Analyzed: 9/29/00
Laboratory ID: T2079-MB
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	37.47	94
Toluene-d8	41.10	103
4-Bromofluorobenzene	36.82	92

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Quality Control Analysis EPA 8260

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Analyzed: 8/29/00
Batch: T-1974
Matrix: Soil
Sample Spiked: 1947-01

Matrix Spike and Matrix Spike Duplicate Analysis

								QC Limits	
Compound	Conc.Spike Added(µg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
1,1 Dichloroethene	100	0.0	83	83	85	85	2.4	20	75-125
Benzene	100	0.0	96	96	97	97	1.0	20	75-125
Trichloroethene	100	0.0	103	103	107	107	3.8	20	75-125
Toluene	100	0.0	89	89	89	89	0.0	20	75-125
Chlorobenzene	100	0.0	91	91	94	94	3.2	20	75-125

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Analyzed: 8/29/00
Laboratory ID: T1974-MB
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	39.15	98
Toluene-d8	40.11	100
4-Bromofluorobenzene	38.44	96

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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ATC ASSOCIATES INC.

Chain of Custody

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS
17321 Irvine Blvd, 2nd Floor
Tustin, CA 92780-3010
(714) 734-0303 • Fax (714) 734-0510

Project Name: HATHWAY COMPANY
Project Number: 42.25527.0001
Project Manager: John Lougheed

Laboratory Name: SunStar Laboratories
Method of Shipment:
Special QA / QC:

Sample I.D.	Boring / Well	Depth / Time	Date of Collection	Matrix: Soil	Matrix: Water	Matrix: Other	Pres.: Ice	Pres.: Acid	TPH 8015 Modified Gas ✓ Diesel ✓	BTEX EPA 8020	BTEX / TPH EPA 8015 / 8020	TPH EPA 418.1	VOCs EPA 8260 / 8240	VOCs EPA 8021	BNAs EPA 8270					Lab ID
SB1	P1	3/9:05 AM	8/15/00	X					✓											01
SB2	P2	2/9:35	"	X					✓											02
SB3	P4	3/10:15	"	X					✓											03
SB4	P5	3/10:20	"	X					✓											04
SB5	P4	3/10:30	"	X					✓											05
SB6	P3	3/10:50	"	X					✓											06
SB7	P12	3/2:10 PM	"	X					✓											07
SB8	West JALK117	3/3:20 PM	"	X					✓											08
SB9	P11	3/3:30	"	X					✓											09
SB10	P11	3/3:45	"	X					✓											10
SB11	P11	3/4:10	"	X					✓											11
W1	Well #1 CAVITY	1/8/9:50 AM	"	X					✓											12
W2	WELL #2 CAVITY	1/8/12:30	"	X					✓											13
S1	Stockpile #1	6/10:05	"	X					✓											14
S2	Stockpile #2	1/11:35	"	X					✓											15
S3	Stockpile #3	1/1:00	"	X					✓											16

Remarks: TPH/ 8015-M-cc
C6 – C10 — GAS
C10 – C22 — Diesel
C22 – C30 — Motor oil
> C30

Turnaround Time
- Same Day ☐
- Priority Rush 1 Business Day ☐
- Rush 2 Business Days ☐
- Standard 5 to 10 Business Days ☒
- Other ___ Business Days ☐

Relinquished by	Date	Time	Received by	Date	Time
Nashaw Odeh	8/15/00	8:30	[illegible]		
Relinquished by	Date	Time	Received by		
Relinquished by	Date	Time	Received by laboratory	Date	Time

ATC ASSOCIATES INC.

Chain of Custody

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS
17321 Irvine Blvd, 2nd Floor
Tustin, CA 92780-3010
(714) 734-0303 • Fax (714) 734-0510

Project Name: HATHAWAY COMPANY
Project Number: 42.25527.0001
Project Manager: John Longneck

Laboratory Name: SunStar Laboratories
Method of Shipment: Pickup from Field
Special QA / QC:

Sample I.D.	Boring / Well	Depth / Time	Date of Collection	Matrix: Soil	Matrix: Water	Matrix: Other	Pres.: Ice	Pres.: Acid	TPH 8015 Modified Gas__ Diesel__	BTEX EPA 8020	BTEX / TPH EPA 8015 / 8020	TPH EPA 418.1	VOCs EPA 8260 / 8240	VOCs EPA 8021	BNAs EPA 8270					Lab ID
W1-B	Well #1	1'/8:20	8/16/00	X					✓											01
W1-S	"	8'/8:25	"	X					✓											02
W2-B	Well #2	1'/8:40	"	X					✓											03
W2-S	"	8'/8:45	"	X					✓											04
S4-1	Well #3 Stockpile	1'/10:40	"	X					✓											05
SB12	P14	1'/1:50	8/16/00	X					✓											06
SB-2	W#3 Stockpile	1'/2:50	8/16/00	X					✓											07
SG1	W#1	1'/9:45														HOLD				08
SG2	W#2	1'/11:00														HOLD				09

Remarks:
TPH/8015M-CC
Carbon chain
C6 - C10
C10 - C22
C22 - C30
> C30

Turnaround Time
- Same Day ☐
- Priority Rush 1 Business Day ☐
- Rush 2 Business Days ☐
- Standard 5 to 10 Business Days ☒
- Other ___ Business Days ☐

Relinquished by sampler: Nabhan Odah	Date: 8/16/00	Time	Received by: [illegible] 8/16/00
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by laboratory: Date: Time:

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc
Address: 17321 Irvine Blvd, 2nd flor, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 8/28/00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42.25527.0001
Batch #: 1974 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260B VOC's	EPA 8270 Semi-Vocs	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-cc	8080 PCBs		Laboratory ID #	Preservative	Comments	Total # of containers
S10-1	8/28/00	11:15 A	Soil	Brass				X						X	X		01		Carbon Chain	
S10-2	"	11:30	"	"				X						X	X		02		C6-C10	
W4-B	"	1:30 P	"	"			X							X			03		C10-C22	
W4-EW	"	1:45	"	"			X							X			04		C22-C30	
W4-WW	"	2:00	"	"			X							X			05		>C30	
W3-B	"	11:45	"	"			X							X			06			
W3-SW	"	12:00	"	"			X							X			07			
W3-NW	"	12:15	"	"			X							X			08			
SB 44	"	8:00	"	"										X			09			
SB45	"	8:20	"	"										X			10			
SB46	"	9:00	"	"										X			11			
SB47	"	9:15	"	"										X			12			
SB48	"	9:30	"	"			X							X			13			
SB49	"	10:00	"	"			X							X			14			

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	8/28/00	[illegible]	8/28/00 1530
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 14
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc
Address: 17321 Irvine Bld. 2nd Floor, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: Jon Lovegreen

Date: 9-18-00 Page: 1 of 1
Project Name: Hathaway Company
Collector: A. Odah Client Project #: 42.25527.0001
Batch #: 2041 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270 Semi. VOCs	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals				Laboratory ID #	Preservative	Comments	Total # of containers
W3-B1	9/15/00	11:00A	Soil	Brass				X									01			1
W3-NW1	"	11:05	"	"				X									02			1
W3-SW1	"	11:10	"	"				X									03			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Abbhaw Odah	9-12-00/845 Am	[illegible]	9/12/00 9:30
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48-Hr.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

APPENDIX E

LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS – FORMER TANK FARM

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T1
Date Sampled: 9/25/00
Date Received: 9/26/00
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2071-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample I.D.: T1
Date Sampled: 9/25/00
Date Received: 9/26/00
Date Extracted: 9/27/00
Date Analyzed: 9/27/00
Laboratory ID: T2071-01
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	93	1
Beryllium	ND	1
Cadmium	3	1
Chromium	25	1
Cobalt	14	1
Copper	19	1
Lead	12	1
Mercury	ND	0.1
Molybdenum	4	1
Nickel	16	1
Selenium	ND	5
Silver	ND	2
Thallium	5	2
Vanadium	30	1
Zinc	50	1

TTLC= Total Threshold Limit Concentration.

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T1
Date Sampled: 9/25/00
Date Received: 9/26/00
Date Analyzed: 9/29/00
Laboratory ID: T2071-01
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	38.76	97
Toluene-d8	41.01	103
4-Bromofluorobenzene	37.17	93

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T2
Date Sampled: 9/25/00
Date Received: 9/26/00
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2071-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample I.D.: T2
Date Sampled: 9/25/00
Date Received: 9/26/00
Date Extracted: 9/27/00
Date Analyzed: 9/27/00
Laboratory ID: T2071-02
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	120	1
Beryllium	ND	1
Cadmium	3	1
Chromium	21	1
Cobalt	14	1
Copper	20	1
Lead	3	1
Mercury	ND	0.1
Molybdenum	4	1
Nickel	17	1
Selenium	ND	5
Silver	ND	2
Thallium	5	2
Vanadium	31	1
Zinc	53	1

TTLC= Total Threshold Limit Concentration.

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T2
Date Sampled: 9/25/00
Date Received: 9/26/00
Date Analyzed: 9/29/00
Laboratory ID: T2071-02
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	48.76	122
Toluene-d8	38.54	96
4-Bromofluorobenzene	39.84	100

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T3
Date Sampled: 9/25/00
Date Received: 9/26/00
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2071-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	51	10
C23>	96	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T3
Date Sampled: 9/25/00
Date Received: 9/26/00
Date Analyzed: 9/29/00
Laboratory ID: T2071-03
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	37.95	95
Toluene-d8	41.86	105
4-Bromofluorobenzene	35.76	89

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T4
Date Sampled: 9/22/00
Date Received: 9/22/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2064-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	14	10
C13-C22	340	10
C23+	140	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T4
Date Sampled: 9/22/00
Date Received: 9/22/00
Date Analyzed: 10/5/00
Laboratory ID: T2064-03
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	39.45	99
Toluene-d8	39.72	99
4-Bromofluorobenzene	34.97	87

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	6	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	23	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T5
Date Sampled: 9/22/00
Date Received: 9/22/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2064-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	14	10
C13-C22	1100	10
C23+	260	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T5
Date Sampled: 9/22/00
Date Received: 9/22/00
Date Analyzed: 10/5/00
Laboratory ID: T2064-04
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	37.84	95
Toluene-d8	39.33	98
4-Bromofluorobenzene	39.72	99

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	16	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	46	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T6
Date Sampled: 9/22/00
Date Received: 9/22/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2064-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	23	10
C13-C22	730	10
C23+	290	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T6
Date Sampled: 9/22/00
Date Received: 9/22/00
Date Analyzed: 10/5/00
Laboratory ID: T2064-05
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	37.63	94
Toluene-d8	38.20	96
4-Bromofluorobenzene	39.77	99

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	15	5
m&p-Xylene	ND	10
o-Xylene	5	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	26	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	41	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	7	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	8	5
sec-Butylbenzene	24	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	7	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	12	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	13	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T7
Date Sampled: 9/22/00
Date Received: 9/22/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2064-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	300	10
C23+	160	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T7
Date Sampled: 9/22/00
Date Received: 9/22/00
Date Analyzed: 10/5/00
Laboratory ID: T2064-06
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	38.14	95
Toluene-d8	39.16	98
4-Bromofluorobenzene	37.32	93

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T8
Date Sampled: 9/25/00
Date Received: 9/26/00
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2071-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	110	10
C23>	92	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T9
Date Sampled: 9/26/00
Date Received: 9/27/00
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2079-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	74	10
C23>	120	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T10
Date Sampled: 9/25/00
Date Received: 9/26/00
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2071-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T11
Date Sampled: 9/26/00
Date Received: 9/27/00
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2079-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T11
Date Sampled: 9/26/00
Date Received: 9/27/00
Date Analyzed: 9/29/00
Laboratory ID: T2079-02
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	35.44	89
Toluene-d8	42.06	105
4-Bromofluorobenzene	37.32	93

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T12
Date Sampled: 9/29/00
Date Received: 9/29/00
Date Extracted: 10/3/00
Date Analyzed: 10/5/00
Laboratory ID: T2097-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	520	10
>C23	340	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T12
Date Sampled: 9/29/00
Date Received: 9/29/00
Date Analyzed: 10/6/00
Laboratory ID: T2097-01
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	36.33	91
Toluene-d8	38.78	97
4-Bromofluorobenzene	44.55	111

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	53	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	190	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	30	5
m&p-Xylene	96	10
o-Xylene	45	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	470	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	820	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	9	5
tert-Butylbenzene	91	5
1,2,4-Trimethylbenzene	21	5
sec-Butylbenzene	570	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	59	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	3,000	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T13
Date Sampled: 9/29/00
Date Received: 9/29/00
Date Extracted: 10/3/00
Date Analyzed: 10/5/00
Laboratory ID: T2097-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T13
Date Sampled: 9/29/00
Date Received: 9/29/00
Date Analyzed: 10/6/00
Laboratory ID: T2097-02
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	36.75	92
Toluene-d8	38.69	97
4-Bromofluorobenzene	37.12	93

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	7	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	9	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	15	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T14
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T15
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	130	10
C13-C22	8500	10
>C23	2100	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T16
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T17
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T18
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T19
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T20
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-07
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T21
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-08
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T22
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-09
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T23
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-10
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T24
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-11
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T25
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-12
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T26
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-13
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T27
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-14
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T28
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-15
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T29
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-16
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T30
Date Sampled: 10/2/00
Date Received: 10/2/00
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-17
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T31
Date Sampled: 10/10/00
Date Received: 10/10/00
Date Extracted: 10/11/00
Date Analyzed: 10/12/00
Laboratory ID: T2133-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	270	10
C13-C22	5200	10
>C23	2500	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T32
Date Sampled: 10/10/00
Date Received: 10/10/00
Date Extracted: 10/11/00
Date Analyzed: 10/12/00
Laboratory ID: T2133-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T33
Date Sampled: 10/10/00
Date Received: 10/10/00
Date Extracted: 10/11/00
Date Analyzed: 10/12/00
Laboratory ID: T2133-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T35
Date Sampled: 10/10/00
Date Received: 10/10/00
Date Extracted: 10/11/00
Date Analyzed: 10/12/00
Laboratory ID: T2133-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T36
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	23	10
C13-C22	680	10
>C23	820	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T37
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T38
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T39
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T40
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T41
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T42
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-07
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T43
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-08
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T44
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-09
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T45
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-10
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: T46
Date Sampled: 10/17/00
Date Received: 10/18/00
Date Extracted: 10/18/00
Date Analyzed: 10/18/00
Laboratory ID: T2158-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2071-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2079-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 10/3/00
Date Analyzed: 10/5/00
Laboratory ID: T2097-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 10/2/00
Date Analyzed: 10/5/00
Laboratory ID: T2099-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Quality Control Analysis EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Analyzed: 10/13/00
Batch: T-2137
Matrix: Soil
Sample Spiked: T2017-16

Matrix Spike and Matrix Spike Duplicate Analysis

								QC Limits	
Compound	Conc. Spike Added (mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
8015M TPH	500	0	497	99.4	582	116.4	15.8	20	70-130

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 10/18/00
Date Analyzed: 10/18/00
Laboratory ID: T2158-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	ND	10

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SunStar Laboratories, Inc.

Quality Control Analysis EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Analyzed: 10/18/00
Batch: T-2158
Matrix: Soil
Sample Spiked: 2155-01

Matrix Spike and Matrix Spike Duplicate Analysis

								QC Limits	
Compound	Conc. Spike Added (mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
8015M TPH	500	0	621	124.2	620	124	0.2	20	70-130

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Analyzed: 9/28/00
Laboratory ID: T2071-MB
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	35.54	89
Toluene-d8	39.96	100
4-Bromofluorobenzene	37.74	94

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

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SunStar Laboratories, Inc.

Quality Control Analysis EPA 8260

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Analyzed: 9/28/00
Batch: T-2071
Matrix: Soil
Sample Spiked: 2060-16

Matrix Spike and Matrix Spike Duplicate Analysis

								QC Limits	
Compound	Conc.Spike Added(µg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
1,1 Dichloroethene	100	0.0	106	106	100	100	5.8	20	75-125
Benzene	100	0.0	102	102	99	99	3.0	20	75-125
Trichloroethene	100	0.0	112	112	108	108	3.6	20	75-125
Toluene	100	0.0	104	104	101	101	2.9	20	75-125
Chlorobenzene	100	0.0	105	105	102	102	2.9	20	75-125

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SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample I.D.: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 9/27/00
Date Analyzed: 9/27/00
Laboratory ID: T2071-MB
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	ND	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	ND	1
Cobalt	ND	1
Copper	ND	1
Lead	ND	1
Mercury	ND	0.1
Molybdenum	ND	1
Nickel	ND	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	ND	1
Zinc	ND	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Bld., Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 9-26-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector:
Client Project #: 42.25527.0001
Batch #: T-2071
Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260 B	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-cc			Laboratory ID #	Preservative	Comments	Total # of containers
T1	9-25-00	1:30	Soil	Brass			X						X	X			01		Carbon Chain	1
T2	"	1:50	"	"			X						X	X			02		C6-C10	1
T3	"	3:00	"	"			X							X			03		C11-C22	1
T8	"	2:30	"	"			X							X			04		C22-C30	1
T10	"	2:35	"	"			X							X			05		>C30	1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	9/26/00 8:45	[signature]	9-26-00 8:45
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 5
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold
Turn around time: 48 hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd., Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: Tom Langness

Date: 9-26-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odol Client Project #: 42.255.25.0001
Batch #: 2079 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260 B	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-CC			Laboratory ID #	Preservative	Comments	Total # of containers
T9	9/26/00	2:00 pm	Soil	Brass			X							X			01		Carbon Chain	1
T11	"	2:10	"	"			X							X			02			1
S16-1	"	2:15	"	"										X			03		C6 - C10	1
S16-2	"	2:22	"	"										X			04		C10 - C22	1
S16-3	"	2:30	"	"										X			05		C22 - C36	1
																			> C36	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	9/27/00 9:20 Am	[illegible]	9-27-00 9:20 am
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 3
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 hrs

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd. Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: Tom Lovegreen

Date: 9-29-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42 45593.000
Batch #: T2097 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-cc			Laboratory ID #	Preservative	Comments	Total # of containers
T12	9/29/00	1:30	Soil	Brass			X							X			01		Carbon Chain	1
T13		1:45	"	"			X							X			02			1
S17-1		2:00	"	"										X			03		C6 - C12	1
S17-2		2:15	"	"										X			04		C13 - C22	1
																			> C23	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	9/29/00	[illegible]	9-29-00 6pm
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 4
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd., Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: Jan Lovegreen

Date: 10-2-00 Page: 1 Of 2
Project Name: Hathaway Camp.
Collector: N. Odell Client Project #: 42-25527.001
Batch #: 2099 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015 M1 - C			Laboratory ID #	Preservative	Comments	Total # of containers
T14	10/2/00	9:45	Soil	Brass										X			01		Carbon Chain	1
T15		9:55															02		C6 - C12	1
T16		10:05															03		C13 - C2[illegible]	1
T17		10:15															04		> C23	1
T18		10:30															05			1
T19		10:45															06			1
T20		10:50															07			1
T21		11:10															08			1
T22		11:25															09			1
T23		11:30															10			1
T24		11:50															11			1
T25		11:55															12			1
T26		12:00															13			1
T27		12:10															14			1
T28		12:15															15			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nelsbyne Odell	10/2/00	[illegible]	10/2/00
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 15
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 Hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each Return to client Pickup

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd., Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: Jon Lovegreen

Date: 10-2-00 Page: 2 Of 2
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42.25527.001
Batch #: 2099 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-CC			Laboratory ID #	Preservative	Comments	Total # of containers
T29	10/2/00	12:20	Soil	Brass										X			16		Carbon chain	1
T30	"	12:25	"	"										X			17			1
																			C10-C12	
																			C13-C22	
																			>C23	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabihan Odeh	10/2/00	[illegible]	10/2/00
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 2
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 Hrs.

Notes

Sample disposal instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: Jon Langgren

Date: 10-10-00 Page: 1 Of 1
Project Name: Hathaway P.O.
Collector: N. Odell Client Project #: 42-25527.0001
Batch #: T2133 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-cc			Laboratory ID #	Preservative	Comments	Total # of containers
T31	10/10/00	4:45	Soil	Brass										X			01		Carbon Chain	1
T32	"	"	"	"										X			02			1
T33	"	"	"	"										X			03		C6 - C12	1
T34	"	"	"	"										X			04		C13 - C22	1
T35	"	"	"	"										X			05		> C25	1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nicholas Odell	10/10/00	[illegible]	10-10-00 5pm
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 5
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each Return to client Pickup

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd., Tustin, CA.
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: Jon Lovegreen

Date: 10-11-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odah Client Project #: 42.25527.0001
Batch #: T2137 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M - cc			Laboratory ID #	Preservative	Comments	Total # of containers
																			Carbon Chain C6-C12 C13-C22 >C23	
T36	10/11/00	8:15A	Soil	Brass										X			04			1
T37		8:30												X			05			1
T38		8:45												X			03			1
T39		8:50												X			04			1
T40		9:15												X			05			1
T41		10:45												X			06			1
T42		11:00												X			07			1
T43		11:10												X			08			1
T44		11:20												X			09			1
T45		11:45												X			10			1
S18-1		12:15pm												X			11			1
S18-2		12:25												X			12			1
S18-3		12:30												X			13			1
S19-1		12:45												X			14			1
S19-2		1:00												X			15			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odah	10/11/00 2pm	[illegible]	10/11/00 1400
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 15
Chain of Custody seals Y/N/NA:
Seals intact? Y/N/NA:
Received good condition/cold: Y/N

Turn around time: 48 hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd., Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 10-17-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: Nabahan Odah Client Project #: 42-25527.001
Batch #: 2158 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-cc			Laboratory ID #	Preservative	Comments	Total # of containers
T46	10/17/00	8:30 Am	Soil	Brass										X				01		1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabahan Odah	10/18/00 9:15	[signature]	10/18/00 9:15
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers	1
Chain of Custody seals Y/N/NA	
Seals intact? Y/N/NA	
Received good condition/cold	Yes

Turn around time: 24 hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

APPENDIX F

LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS – SOIL STOCKPILES

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: S1
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-14
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	350	10
C23>	480	10

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone: (714) 505-4010 Fax: (714) 505-4028

SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: S1
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/28/00
Date Analyzed: 8/29/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	3.27	65.4
Phenol-d6	1.28	25.6
Nitrobenzene-d5	2.01	40.2

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	2.90	58.0
2,4,6-Tribromophenol	3.05	61.0
Terphenyl-d14	2.77	55.4

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthrancene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PCB's)

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: S1
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/28/00
Date Analyzed: 8/29/00
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
2-Fluorophenol	3.27	65.4
Phenol-d6	1.28	25.6
Nitrobenzene-d5	2.01	40.2
2-Fluorobiphenol	2.90	58.0
2,4,6-Tribromophenol	3.05	61.0
Terphenyl-d14	2.77	55.4

Compound	Concentration (µg/Kg)	Reporting Limits (µg/Kg)
Aroclor-1016	ND	80
Aroclor-1221	ND	80
Aroclor-1232	ND	80
Aroclor-1242	ND	80
Aroclor-1248	ND	80
Aroclor-1254	ND	80
Aroclor-1260	ND	80

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: S2
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-15
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	1400	10
C13-C22	35000	10
C23>	12000	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PCB's)

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: S2
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/28/00
Date Analyzed: 8/29/00
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
2-Fluorophenol	2.57	51.4
Phenol-d6	3.70	74.0
Nitrobenzene-d5	2.91	58.2
2-Fluorobiphenol	3.69	73.8
2,4,6-Tribromophenol	3.59	71.8
Terphenyl-d14	2.95	59.0

Compound	Concentration (µg/Kg)	Reporting Limits (µg/Kg)
Aroclor-1016	ND	80
Aroclor-1221	ND	80
Aroclor-1232	ND	80
Aroclor-1242	ND	80
Aroclor-1248	ND	80
Aroclor-1254	ND	80
Aroclor-1260	ND	80

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SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: S2
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/28/00
Date Analyzed: 8/29/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	2.57	51.4
Phenol-d6	3.70	74.0
Nitrobenzene-d5	2.91	58.2

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	3.69	73.8
2,4,6-Tribromophenol	3.59	71.8
Terphenyl-d14	2.95	59.0

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	17000	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	8800	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	8400	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	2300	300
Butylbenzylphthalate	ND	300
Benzo (a) anthrancene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	2000	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

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SunStar Laboratories, Inc.

Analytical Report EPA 8020

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S2-1
Date Sampled: 10/23/2000
Date Received: 10/24/2000
Date Analyzed: 10/24/2000
Laboratory ID: T2178-05
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
4-Bromofluorobenzene	39.7	79

Compound	Concentration (µg/Kg)	Detection Limit (µg/Kg)
Benzene	ND	5
Toluene	ND	5
Ethyl benzene	78	5
Xylenes	130	15

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: S3
Date Sampled: 8/15/00
Date Received: 8/15/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1946-16
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S4-1
Date Sampled: 8/16/00
Date Received: 8/16/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1947-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	110	10
C23>	1200	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	130	10
C22-C30	480	10
>C30	780	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S4-2
Date Sampled: 8/16/00
Date Received: 8/16/00
Date Extracted: 8/17/00
Date Analyzed: 8/17/00
Laboratory ID: T1947-07
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	180	10
C23>	2600	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	ND	10
C10-C22	210	10
C22-C30	960	10
>C30	2100	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S4-2
Date Sampled: 8/16/00
Date Received: 8/16/00
Date Extracted: 8/28/00
Date Analyzed: 8/29/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	1.50	30.0
Phenol-d6	1.33	26.6
Nitrobenzene-d5	1.44	28.8

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	1.61	32.2
2,4,6-Tribromophenol	3.05	61.0
Terphenyl-d14	1.83	36.6

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthrancene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

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SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PCB's)

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathway Company

Sample ID: S4-2
Date Sampled: 8/16/00
Date Received: 8/16/00
Date Extracted: 8/28/00
Date Analyzed: 8/29/00
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
2-Fluorophenol	1.50	30.0
Phenol-d6	1.33	26.6
Nitrobenzene-d5	1.44	28.8
2-Fluorobiphenol	1.61	32.2
2,4,6-Tribromophenol	3.05	61.0
Terphenyl-d14	1.83	36.6

Compound	Concentration (µg/Kg)	Reporting Limits (µg/Kg)
Aroclor-1016	ND	80
Aroclor-1221	ND	80
Aroclor-1232	ND	80
Aroclor-1242	ND	80
Aroclor-1248	ND	80
Aroclor-1254	ND	80
Aroclor-1260	ND	80

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SunStar Laboratories, Inc.

Analytical Report EPA 8020

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S4-3
Date Sampled: 10/23/2000
Date Received: 10/24/2000
Date Analyzed: 10/24/2000
Laboratory ID: T2178-02
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
4-Bromofluorobenzene	16.9	34

Compound	Concentration (µg/Kg)	Detection Limit (µg/Kg)
Benzene	ND	5
Toluene	ND	5
Ethyl benzene	ND	5
Xylenes	ND	15

*Surrogate out due to matrix effect.

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SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample I.D.: S4-3
Date Sampled: 10/23/2000
Date Received: 10/24/2000
Date Extracted: 10/24/2000
Date Analyzed: 10/24/2000
Laboratory ID: T2178-02
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	320*	1
Beryllium	ND	1
Cadmium	4	1
Chromium	71	1
Cobalt	12	1
Copper	45	1
Lead	110	1
Mercury	ND	0.1
Molybdenum	4	1
Nickel	30	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	20	1
Zinc	260	1

*Reported from a 10:1 dilution.
TTLC= Total Threshold Limit Concentration.

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S5
Date Sampled: 8/17/00
Date Received: 8/17/00
Date Extracted: 8/18/00
Date Analyzed: 8/18/00
Laboratory ID: T1952-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	46	10
C13-C23	2300	10
C23>	2100	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: S6-1
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-11
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	150	10
C13-C22	370	10
C23>	270	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	80	10
C10-C22	530	10
C22-C30	180	10
>C30	130	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: S6-2
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-12
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	1900	10
C13-C22	5600	10
C23>	2600	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	1100	10
C10-C22	6900	10
C22-C30	2100	10
>C30	1300	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: S7-1
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-13
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	74	10
C13-C22	760	10
C23>	590	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	17	10
C10-C22	990	10
C22-C30	390	10
>C30	310	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway company

Sample ID: S7-2
Date Sampled: 8/18/00
Date Received: 8/18/00
Date Extracted: 8/21/00
Date Analyzed: 8/21/00
Laboratory ID: T1954-14
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	16	10
C13-C22	1300	10
C23>	17000	10

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10	10	10
C10-C22	1300	10
C22-C30	7900	10
>C30	12000	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Co.

Sample ID: S8
Date Sampled: 8/22/00
Date Received: 8/22/00
Date Extracted: 8/23/00
Date Analyzed: 8/23/00
Laboratory ID: T1959-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	12	10
C13-C22	480	10
C23>	580	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S9
Date Sampled: 8/24/00
Date Received: 8/25/00
Date Extracted: 8/28/00
Date Analyzed: 8/28/00
Laboratory ID: T1969-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	1600	10
C23>	44000	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8020

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S9-1
Date Sampled: 10/23/2000
Date Received: 10/24/2000
Date Analyzed: 10/24/2000
Laboratory ID: T2178-01
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
4-Bromofluorobenzene	20.1	40

Compound	Concentration (µg/Kg)	Detection Limit (µg/Kg)
Benzene	ND	5
Toluene	ND	5
Ethyl benzene	ND	5
Xylenes	ND	15

*Surrogate out due to matrix effect.

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SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample I.D.: S9-1
Date Sampled: 10/23/2000
Date Received: 10/24/2000
Date Extracted: 10/24/2000
Date Analyzed: 10/24/2000
Laboratory ID: T2178-01
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	*250	1
Beryllium	ND	1
Cadmium	5	1
Chromium	21	1
Cobalt	13	1
Copper	71	1
Lead	210	1
Mercury	ND	0.1
Molybdenum	5	1
Nickel	30	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	23	1
Zinc	340*	1

*Reported from a 10:1 dilution.
TTLC= Total Threshold Limit Concentration.

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S10-1
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	230	10
C23>	380	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: ATC Associates Inc.
Project Manager: John Lovegreen
Project Name: Hathaway Company
Laboratory ID: T1974-01
Matrix: Soil

Sample ID: S10-1
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/28/00
Date Analyzed: 8/29/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	25.63	51.3
Phenol-d6	17.60	35.2
Nitrobenzene-d5	14.00	28.0

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	19.85	39.7
2,4,6-Tribromophenol	22.82	45.6
Terphenyl-d14	18.51	37.0

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthrancene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

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SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PCB's)

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S10-1
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/29/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-01
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
2-Fluorophenol	25.63	51.3
Phenol-d6	17.60	35.2
Nitrobenzene-d5	14.00	28.0
2-Fluorobiphenol	19.85	39.7
2,4,6-Tribromophenol	22.82	45.6
Terphenyl-d14	18.51	37.0

Compound	Concentration (µg/Kg)	Reporting Limits (µg/Kg)
Aroclor-1016	ND	80
Aroclor-1221	ND	80
Aroclor-1232	ND	80
Aroclor-1242	ND	80
Aroclor-1248	ND	80
Aroclor-1254	ND	80
Aroclor-1260	ND	80

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S10-2
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	67	10
C13-C22	820	10
C23>	590	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: ATC Associates Inc.
Project Manager: John Lovegreen
Project Name: Hathaway Company
Laboratory ID: T1974-02
Matrix: Soil

Sample ID: S10-2
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/28/00
Date Analyzed: 8/29/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	26.20	52.4
Phenol-d6	18.88	37.8
Nitrobenzene-d5	22.68	45.4

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	21.66	43.3
2,4,6-Tribromophenol	16.15	32.3
Terphenyl-d14	17.55	35.1

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	690	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	610	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentachlorophenol	ND	1,000
Phenanthrene	900	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthrancene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

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SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PCB's)

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S10-2
Date Sampled: 8/28/00
Date Received: 8/28/00
Date Extracted: 8/29/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-02
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
2-Fluorophenol	26.20	52.4
Phenol-d6	18.88	37.8
Nitrobenzene-d5	22.68	45.4
2-Fluorobiphenol	21.66	43.3
2,4,6-Tribromophenol	16.15	32.3
Terphenyl-d14	17.55	35.1

Compound	Concentration (µg/Kg)	Reporting Limits (µg/Kg)
Aroclor-1016	ND	80
Aroclor-1221	ND	80
Aroclor-1232	ND	80
Aroclor-1242	ND	80
Aroclor-1248	ND	80
Aroclor-1254	ND	80
Aroclor-1260	ND	80

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S11
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-10
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	5000	10
C13-C22	12000	10
C23>	6800	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S12
Date Sampled: 8/30/00
Date Received: 8/30/00
Date Extracted: 8/31/00
Date Analyzed: 9/1/00
Laboratory ID: T1987-11
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	1400	10
C13-C22	13000	10
C23>	10000	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
hathaway Company

Sample ID: S13
Date Sampled: 9/1/00
Date Received: 9/1/00
Date Extracted: 9/8/00
Date Analyzed: 9//8/00
Laboratory ID: T2006-09
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	160	10
C13-C22	840	10
C23>	630	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S14
Date Sampled: 9/6/00
Date Received: 9/6/00
Date Extracted: 9/8/00
Date Analyzed: 9/8/00
Laboratory ID: T2010-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	410	10
C13-C22	4500	10
C23>	1100	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S15
Date Sampled: 9/7/00
Date Received: 9/7/00
Date Extracted: 9/25/00
Date Analyzed: 9/25/00
Laboratory ID: T2013-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	110	10
C13-C22	1400	10
C23>	1400	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S16-1
Date Sampled: 9/26/00
Date Received: 9/27/00
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2079-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	6000	10
C13-C22	9700	10
C23>	3400	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S16-2
Date Sampled: 9/26/00
Date Received: 9/27/00
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2079-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	280	10
C23>	280	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S16-3
Date Sampled: 9/26/00
Date Received: 9/27/00
Date Extracted: 9/29/00
Date Analyzed: 9/29/00
Laboratory ID: T2079-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	69	10
C23>	110	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8020

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S16-4
Date Sampled: 10/23/2000
Date Received: 10/24/2000
Date Analyzed: 10/24/2000
Laboratory ID: T2178-03
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
4-Bromofluorobenzene	41.6	83

Compound	Concentration (µg/Kg)	Detection Limit (µg/Kg)
Benzene	ND	5
Toluene	ND	5
Ethyl benzene	ND	5
Xylenes	ND	15

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S17-1
Date Sampled: 9/29/00
Date Received: 9/29/00
Date Extracted: 10/3/00
Date Analyzed: 10/5/00
Laboratory ID: T2097-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	19	10
>C23	28	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S17-2
Date Sampled: 9/29/00
Date Received: 9/29/00
Date Extracted: 10/3/00
Date Analyzed: 10/5/00
Laboratory ID: T2097-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
>C23	ND	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S18-1
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-11
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	140	10
C13-C22	1500	10
>C23	1500	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S18-2
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-12
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	120	10
C13-C22	610	10
>C23	590	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S18-3
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-13
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	9500	10
C13-C22	15000	10
>C23	8000	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8020

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S18-4
Date Sampled: 10/23/2000
Date Received: 10/24/2000
Date Analyzed: 10/24/2000
Laboratory ID: T2178-04
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
4-Bromofluorobenzene	35.0	70

Compound	Concentration (µg/Kg)	Detection Limit (µg/Kg)
Benzene	ND	5
Toluene	ND	5
Ethyl benzene	17	5
Xylenes	47	15

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S19-1
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-14
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	5000	10
C13-C22	17000	10
>C23	11000	10

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: S19-2
Date Sampled: 10/11/00
Date Received: 10/12/00
Date Extracted: 10/13/00
Date Analyzed: 10/13/00
Laboratory ID: T2137-15
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	97	10
C13-C22	2000	10
>C23	1600	10

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SunStar Laboratories, Inc.

STLC Metal Analysis

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample I.D.: Comp.
Date Sampled: NA
Date Received: NA
Date Extracted: 10/24/00
Date Analyzed: 10/26/00
Laboratory ID: T2178-comp
Matrix: Soil
Conc. Unit: mg/L

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Lead	ND	0.1

STLC= Soluable Threshold Limit Concentration.

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SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 8/18/00
Date Analyzed: 8/18/00
Laboratory ID: T1952-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C23	ND	10
C23>	ND	10

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone: (714) 505-4010 Fax: (714) 505-4028

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 8/30/00
Date Analyzed: 8/30/00
Laboratory ID: T1974-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone: (714) 505-4010 Fax: (714) 505-4028

SunStar Laboratories, Inc.

Quality Control Analysis EPA 8270

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Analyzed: 8/29/00
Batch ID: T-1974
Matrix: Soil
Sample Spiked: LCS

Matrix Spike and Matrix Spike Duplicate Analysis

								QC Limits	
Compound	Conc.Spike Added(mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
Phenol	50	0	26	52	28	56	7	42	12-89
2-Chlorophenol	50	0	35	70	39	78	11	40	27-123
1,4-Dichlorobenzene	50	0	33	66	37	74	11	28	36-97
N-nitroso-di-n-propy	50	0	26	52	28	56	7	38	41-116
1,2,4-Trichlorobenzene	50	0	47	94	43	86	9	28	39-98
4-Chloro-3-methlyphe	50	0	26	52	27	54	4	42	23-97
Acenaphthene	50	0	37	74	38	76	3	31	46-118
4-Nitrophenol	50	0	28	56	19	38	38	50	10-80
2,4-Dinitrotoluene	50	0	14	28	12	24	15	38	24-96
Pentachlorophenol	50	0	48	96	37	74	26	50	9-103
Pyrene	50	0	27	54	29	58	7	31	26-127

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone (714) 550-4010 Fax (714) 505-4028

SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: ATC Associates Inc.
Project Manager: John Lovegreen
Project Name: Hathaway Company
Laboratory ID: T1974-MB
Matrix: Soil

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 8/28/00
Date Analyzed: 8/29/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	26.84	53.7
Phenol-d6	29.34	58.7
Nitrobenzene-d5	21.49	43.0

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	19.55	39.1
2,4,6-Tribromophenol	34.51	69.0
Terphenyl-d14	28.14	56.3

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentaclorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthrancene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone (714) 550-4010 Fax (714) 505-4028

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 9/25/00
Date Analyzed: 9/25/00
Laboratory ID: T2013-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C12	ND	10
C13-C22	ND	10
C23>	ND	10

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone: (714) 505-4010 Fax: (714) 505-4028

SunStar Laboratories, Inc.

Quality Control Analysis EPA 8015M

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Analyzed: 10/5/00
Batch: T-2099
Matrix: Soil
Sample Spiked: 2059-22

Matrix Spike and Matrix Spike Duplicate Analysis

								QC Limits	
Compound	Conc. Spike Added (mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
8015M TPH	500	0	548	109.6	573	114.6	4.5	20	70-130

SunStar Laboratories, Inc.

Quality Control Analysis EPA 8080

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Analyzed: 8/29/00
Batch ID: T-1974
Matrix: Soil
Sample Spiked: LCS

Matrix Spike and Matrix Spike Duplicate Analysis

Compound	Conc.Spike Added(mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	QC Limits RPD	QC Limits Percent Recovery
Phenol	50	0	26	52	28	56	7	42	12-89
2-Chlorophenol	50	0	35	70	39	78	11	40	27-123
1,4-Dichlorobenzene	50	0	33	66	37	74	11	28	36-97
N-nitroso-di-n-propy	50	0	26	52	28	56	7	38	41-116
1,2,4-Trichlorobenzene	50	0	47	94	43	86	9	28	39-98
4-Chloro-3-methlyphe	50	0	26	52	27	54	4	42	23-97
Acenaphthene	50	0	37	74	38	76	3	31	46-118
4-Nitrophenol	50	0	28	56	19	38	38	50	10-80
2,4-Dinitrotoluene	50	0	14	28	12	24	15	38	24-96
Pentachlorophenol	50	0	48	96	37	74	26	50	9-103
Pyrene	50	0	27	54	29	58	7	31	26-127

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone (714) 550-4010 Fax (714) 505-4028

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PCB's)

Client: ATC Associates Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 8/29/00
Date Analyzed: 8/29/00
Laboratory ID: T1974-MB
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
2-Fluorophenol	26.84	53.7
Phenol-d6	29.34	58.7
Nitrobenzene-d5	21.49	43.0
2-Fluorobiphenol	19.55	39.1
2,4,6-Tribromophenol	34.51	69.0
Terphenyl-d14	28.14	56.3

Compound	Concentration (µg/Kg)	Reporting Limits (µg/Kg)
Aroclor-1016	ND	80
Aroclor-1221	ND	80
Aroclor-1232	ND	80
Aroclor-1242	ND	80
Aroclor-1248	ND	80
Aroclor-1254	ND	80
Aroclor-1260	ND	80

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SunStar Laboratories, Inc.

Analytical Report EPA 8020

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Analyzed: 10/24/2000
Laboratory ID: T2178-MB
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
4-Bromofluorobenzene	51.1	102

Compound	Concentration (µg/Kg)	Detection Limit (µg/Kg)
Benzene	ND	5
Toluene	ND	5
Ethyl benzene	ND	5
Xylenes	ND	15

SunStar Laboratories, Inc.

Quality Control Analysis EPA 8020

Client: ATC Associtates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Analyzed: 10/24/2000
Batch: T-2178
Matrix: Soil
Sample Spiked: LCS

Matrix Spike and Matrix Spike Duplicate Analysis

								QC Limits	
Compound	Conc.Spike Added(µg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
BENZENE	100	0	102	102	89	89	13.6	20	70-130
TOLUENE	100	0	104	104	109	109	4.7	20	70-130
ETHYLBENZENE	100	0	103	103	108	108	4.7	20	70-130
TOTAL XYLENES	300	0	314	105	327	109	4.1	20	70-130

SunStar Laboratories, Inc.

TTLC Metal Analysis

MS/MSD Report

Client: ATC Associates, Inc.
Project Manager: John Lovegreen

Project Name
Hathaway Company

Date Extracted: 10/24/2000
Date Analyzed: 10/24/2000
Batch: T-2178
Matrix: Soil
Sample Spiked: 2167-36

Metal Analysis by I.C.P. EPA 6010

							QC Limits	
Element	Amt Spiked	MS rec.	MS %	MSD rec.	MSD %	RPD	RPD	%Rec.
Arsenic	100	120	120	116	116	3.4	30	40-150
Barium	100	91	91	88	88	3.4	30	40-150
Cadmium	100	92	92	88	88	4.4	30	40-150
Chromium	100	88	88	87	87	1.1	30	40-150
Lead	100	88	88	87	87	1.1	30	40-150

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: ATC Associates
Project Manager: John Lovegreen

Project Name
Hathaway Company

Sample I.D.: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 10/24/2000
Date Analyzed: 10/24/2000
Laboratory ID: T2178-MB
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	ND	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	ND	1
Cobalt	ND	1
Copper	ND	1
Lead	ND	1
Mercury	ND	0.1
Molybdenum	ND	1
Nickel	ND	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	ND	1
Zinc	ND	1

TTLC= Total Threshold Limit Concentration.

3002 Dow Avenue, Suite 406, Tustin, Ca. 92780 Phone: (714) 505-4010 Fax: (714) 505-4028

ATC ASSOCIATES INC.

Chain of Custody

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS
17321 Irvine Blvd, 2nd Floor
Tustin, CA 92780-3010
(714) 734-0303 • Fax (714) 734-0510

Project Name: HATHWAY COMPANY
Project Number: 42.25527.0001
Project Manager: John Lougneer

Laboratory Name: SunStar Laboratories
Method of Shipment:

Special QA / QC:

Sample I.D.	Boring / Well	Depth / Time	Date of Collection	Matrix: Soil	Matrix: Water	Matrix: Other	Pres.: Ice	Pres.: Acid	TPH 8015 Modified Gas ✓ Diesel ✓	BTEX EPA 8020	BTEX / TPH EPA 8015 / 8020	TPH EPA 418.1	VOCs EPA 8260 / 8240	VOCs EPA 8021	BNAs EPA 8270					Lab ID
SB1	P1	3/9:05 Am	8/15/00	X					✓											01
SB2	P2	2/9:35	"	X					✓											02
SB3	P4	3/10:15	"	X					✓											03
SB4	P5	3/10:20	"	X					✓											04
SB5	P4	3/10:30	"	X					✓											05
SB6	P3	3/10:50	"	X					✓											06
SB7	P12	3/2:10 Pm	"	X					✓											07
SB8	West JALK117	3/3:00 Pm	"	X					✓											08
SB9	P11	3/3:30	"	X					✓											09
SB10	P11	3/3:45	"	X					✓											10
SB11	P11	3/4:10	"	X					✓											11
W1	Well #1 CAVITY	1/8:50 Am	"	X					✓											12
W2	Well #2 CAVITY	1/8:30	"	X					✓											13
S1	Stockpile #1	1/10:05	"	X					✓											14
S2	Stockpile #2	1/11:35	"	X					✓											15
S3	Stockpile #3	1/1:00	"	X					✓											16

Remarks: TPH/ 8015-M-cc
C6 – C10 — GAS
C10 – C22 — Diesel
C22 – C30 — Motor oil
> C30

Turnaround Time
- Same Day ☐
- Priority Rush 1 Business Day ☐
- Rush 2 Business Days ☐
- Standard 5 to 10 Business Days ☒
- Other ___ Business Days ☐

Relinquished by	Date	Time	Received by
Nabhan Odeh	8/15/00	4:30	[signature]
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by laboratory — Date — Time

ATC ASSOCIATES INC.

Chain of Custody

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS
17321 Irvine Blvd, 2nd Floor
Tustin, CA 92780-3010
(714) 734-0303 • Fax (714) 734-0510

Project Name: HATHAWAY COMPANY
Project Number: 42.25527.0001
Project Manager: John Lowgreen

Laboratory Name: SunStar Laboratories
Method of Shipment: Pickup from Field
Special QA / QC:

Sample I.D.	Boring / Well	Depth / Time	Date of Collection	Matrix: Soil	Matrix: Water	Matrix: Other	Pres.: Ice	Pres.: Acid	TPH 8015 Modified Gas __ Diesel __	BTEX EPA 8020	BTEX / TPH EPA 8015 / 8020	TPH EPA 418.1	VOCs EPA 8260 / 8240	VOCs EPA 8021	BNAs EPA 8270					Lab ID
W1-B	Well #1	1'/8:20	8/16/00	X					✓											01
W1-S	"	8'/8:25	"	X					✓											02
W2-B	Well #2	1'/8:40	"	X					✓											03
W2-S	"	8'/8:45	"	X					✓											04
S4-1	Well #3 Stockpile	1'/10:40	"	X					✓											05
SB12	P14	1'/1:40	8/16/00	X					✓											06
SB-2	W#3 Stockpile	1'/2:50	8/16/00	X					✓											07
SG1	W#1	1'/9:45														HOLD				08
SG2	W#2	1'/11:00														HOLD				09

Remarks:
TPH/8015M-cc
Carbon chain
C6 - C10
C10 - C22
C22 - C30
> C30

Turnaround Time:
- Same Day ☐
- Priority Rush 1 Business Day ☐
- Rush 2 Business Days ☐
- Standard 5 to 10 Business Days ☒
- Other ___ Business Days ☐

Relinquished by	Date	Time	Received by	Date	Time
Nabhan Odeh	8/16/00		[illegible]	8/16/00	
			Received by laboratory		

ATC ASSOCIATES INC.

T-1952

Chain of Custody

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS
17321 Irvine Blvd, 2nd Floor
Tustin, CA 92780-3010
(714) 734-0303 • Fax (714) 734-0510

Project Name: HATHAWAY COMPANY
Project Number: 42.25527.0001
Project Manager: John Lovegreen

Laboratory Name: SunStar
Method of Shipment: Pickup From Field
Special QA / QC:

Sample I.D.	Boring / Well	Depth / Time	Date of Collection	Matrix: Soil	Matrix: Water	Matrix: Other	Pres.: Ice	Pres.: Acid	TPH 8015 Modified Gas __ Diesel __	BTEX EPA 8020	BTEX / TPH EPA 8015 / 8020	TPH EPA 418.1	VOCs EPA 8260 / 8240	VOCs EPA 8021	BNAs EPA 8270					Lab ID
S5	Stockpile	1½'	8/17	X					✓											01
SB13	P16	1'	8/17	X					✓											02
SB14	P18	1'	8/17	X					✓											03
SB15	P19	1'	8/17	X					✓											04

Remarks:
Carbon chain
TPH/8015 M-CC
C6 - C10
C10 - C22
C22 - C30
> C30

Turnaround Time
- Same Day ☐
- Priority Rush 1 Business Day ☐
- Rush 2 Business Days ☒ Per Quote
- Standard 5 to 10 Business Days ☐
- Other ___ Business Days ☐

Relinquished by	Date	Time	Received by	Date	Time
Nabhan Odeh	8/17/00		[illegible]	8/17/00	
Relinquished by	Date	Time	Received by		
Relinquished by	Date	Time	Received by laboratory	Date	Time

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc.
Address: 17321 Irvine Blvd, 2nd Floor, Tustin, CA 92780
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 8-18-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42-25527.0001
Batch #: 1954 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline) Ext.	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals				Laboratory ID #	Preservative	Comments	Total # of containers
SB16 - B	8/18/00	9:30A	Soil	Brass						X							01		Carbon Chain	1
SB17 - N	"	9:35	"	"						X							02		TPH/8015M-CC	1
SB18 - S	"	9:40	"	"						X							03			1
SB19 - E	"	9:45	"	"						X							04		C6-C10	1
SB20 - W	"	9:50	"	"						X							05		C10-C22	1
SB 21 - B	"	10:10	"	"						X							06		C22-C30	1
SB 22 - N	"	11:15	"	"						X							07		>C30	1
SB 23 - S	"	11:20	"	"						X							08			1
SB 24 - E	"	11:25	"	"						X							09			1
SB25 - W	"	11:30	"	"						X							10			1
S6 - 1	"	1:10 PM	"	"						X							11			1
S6 - 2	"	1:30	"	"						X							12			1
S7 - 1	"	1:35	"	"						X							13			1
S7 - 2	"	1:40	"	"						X							14			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	8/18/00	Mata Mel	8/18/00
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 14
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48hr

Notes
* 48-Hour Turn Around analysis

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc
Address: 17321 Irvine Blvd, 2nd Floor, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 8-22-00 Page: 1 Of 1
Project Name: Hathaway Co
Collector: N. Odeh Client Project #: 42.25527.0001
Batch #: T-1959 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015 M-CC			Laboratory ID #	Preservative	Comments	Total # of containers
SB34	8/22/00	9:30 AM	Soil	Brass										✓			01		Carbon Chain	1
SB35	"		"	"										✓			02			1
SB36	"		"	"										✓			03		$C_6 - C_{10}$	1
SB37	"		"	"										✓			04		$C_{10} - C_{22}$	1
SB8	"		"	"										✓			05		$C_{22} - C_{30}$	1
																			$> C_{30}$	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nathan Odeh	8/22/00	[signature]	8-22-00 3:45
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 5
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/Cold
Turn around time: 48 hrs

Notes
48 hrs Analysis

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd, 2nd Floor, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegnoen

Date: 8-25-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42.25527.0001
Batch #: 1969 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-cc			Laboratory ID #	Preservative	Comments	Total # of containers
SB38	8/23/00	12:30 PM	Soil	Brass										✓			01		Carbon chain	1
SB39	8/24/00	10 Am	"	"										✓			02		C6-C10	1
SB40	"	11:30 Am	"	"										✓			03		C10-C22	1
89	"	12:30 PM	"	"										✓			04		C22-C30	1
SB41	"	1:30	"	"										✓			05		>C30	1
SB42	"	2:15	"	"										✓			06			1
SB43	"	2:30	"	"										✓			07			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	8/25/00	[illegible]	8/25/00 3:10
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 7
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 hr.

Notes: 48-Hour Analysis

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc
Address: 17321 Irvine Blvd, 2nd Floor, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 8/28/00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42-25527.0001
Batch #: 1974 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260B VOC's	EPA 8270 Semi-VOC's	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-cc	8080 PCBs		Laboratory ID #	Preservative	Comments	Total # of containers
S10-1	8/28/00	11:15A	Soil	Brass				X						X	X		01		Carbon Chain	
S10-2	"	11:30	"	"				X						X	X		02		C6-C10	
W4-B	"	1:30P	"	"			X							X			03		C10-C22	
W4-EW	"	1:45	"	"			X							X			04		C22-C30	
W4-WW	"	2:00	"	"			X							X			05		>C30	
W3-B	"	11:45	"	"			X							X			06			
W3-SW	"	12:00	"	"			X							X			07			
W3-NW	"	12:15	"	"			X							X			08			
SB44	"	8:00	"	"										X			09			
SB45	"	8:20	"	"										X			10			
SB46	"	9:00	"	"										X			11			
SB47	"	9:15	"	"										X			12			
SB48	"	9:30	"	"			X							X			13			
SB49	"	10:00	"	"			X							X			14			

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabihan Odeh	8/28/00	[illegible]	8/28/00 1530
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 14
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates Inc.
Address: 7321 Irvine Blvd, 2nd floor, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 8/30/00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: Al Odeh Client Project #: 42-25527-0001
Batch #: 1987 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-CC			Laboratory ID #	Preservative	Comments	Total # of containers
SB55	8/30/00		Soil	Brass										X			01		Carbon Chain	1
SB56	"		"	"													02			1
SB57	"		"	"													03		C6-C10	1
SB58	"		"	"													04		C10-C22	1
SB59	"		"	"													05		C22-C30	1
SB60-B	"		"	"													06		>C30	1
SB61-NW	"		"	"													07			1
SB62-B	"		"	"													08			1
SB63-EW	"		"	"													09			1
S11	"		"	"													10			1
S12	"		"	"										X			11			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabham Odeh	8/30/00	J. [illegible]	8-30-00 3:10 pm
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 11
Chain of Custody seals Y/N/NA: (Y)
Seals intact? Y/N/NA: (Y)
Received good condition/cold: (Y)
Turn around time: 48 hrs.

Notes

Sample disposal instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: A+C Assoc.
Address:
Phone: Fax:
Project Manager: John Lovegreen

Date: 9-1-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: Nubbin Client Project #: 42.25527.0001
Batch #: T-2 006 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015 CL			Laboratory ID #	Preservative	Comments	Total # of containers
SB72	9-1-00	11:30	Soil	Brass										X			01			1
SB73-B		11:45															02		c 6-10	1
SB74-WW		11:55															03		c 10-22	1
SB75		12:30															04		c 22-30	1
SB76		12:35					X										05		c 30+	1
SB77		12:45					X										06			1
SB78		12:50					X										07			1
SB79		1:30					X										08			1
S13		12:10												X			09			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Mahan Cidafi	9/1/00	[signature]	9-1-00 3:30p
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers 9
Chain of Custody seals Y/N/(NA)
Seals intact? Y/N/(NA)
Received good condition (cold)
Turn around time: (N)

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd 2nd Flr, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lovegreen

Date: 9-6-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42.25527.0001
Batch #: T2010 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260 B	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-CC			Laboratory ID #	Preservative	Comments	Total # of containers
SB86	9/6/00	9 Am	Soil	Brass			X							X			01		Carbon Chain	1
SB87	↓	1530 Pm	↓	↓			X							X			02			1
SB88-B		2115					X							X			03		C_6-C_{10}	1
SB89-WW		2125					X							X			04		$C_{10}-C_{22}$	1
SB90-NW		2130					X							X			05		$C_{22}-C_{30}$	1
S14		2135					X							X			06		$>C_{30}$	1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nathan Odeh	9/6/00	[illegible]	9/6/00 3:45pm
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 6
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 Hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd. 2nd Floor, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lowenspeare

Date: 9-7-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42.25527.000
Batch #: 2013 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-CC			Laboratory ID #	Preservative	Comments	Total # of containers
S15	9-7-00	10:50A	Soil	Brass										X			01		Carbon Chain	1
A2-B	9-7-00	11:00A	"	"								H	O	L	D		02			1
T1-1	9-7-00	2:30PM	"	"								H	O	L	D		03		C4-C12	1
																			C13-C22	
																			> C22	
																			"Hold Sample A2-B and T1-1"	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nathan Odeh	9/7/00	[illegible]	9/7/00
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 3
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold
Turn around time: 48 Hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd., Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: Jon Langness

Date: 9-26-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: Nabhan Odeh Client Project #: 42.25525.0001
Batch #: 2079 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260 B	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-CC			Laboratory ID #	Preservative	Comments	Total # of containers
T9	9/26/00	2:00 pm	Soil	Brass			X							X			01		Carbon Chain	1
T11	"	2:10	"	"			X							X			02			1
S16-1	"	2:15	"	"										X			03		$C_6 - C_{10}$	1
S16-2	"	2:20	"	"										X			04		$C_{10} - C_{22}$	1
S16-3	"	2:30	"	"										X			05		$C_{22} - C_{30}$	1
																			$> C_{30}$	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	9/27/00 9:20 Am	[signature]	9-27-00 9:20 am
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 5
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 hrs

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd. Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: Jon Lovegreen

Date: 9-29-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42-25527.0001
Batch #: T2097 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-cc			Laboratory ID #	Preservative	Comments	Total # of containers
T12	9/29/00	1:30	Soil	Brass			X							X			01		Carbon chain	1
T13		1:45	"	"			X							X			02			1
S17-1		2:00	"	"										X			03		$C_6 - C_{12}$	1
S17-2		2:15	"	"										X			04		$C_{13} - C_{22}$	1
																			$> C_{23}$	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	9/29/00	J. [illegible]	9-29-00 6pm
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 4
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: 48 hrs

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd., Tustin, CA.
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: Jon Lovegreen

Date: 10-11-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odeh Client Project #: 42-25527-0001
Batch #: T2137 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M-cc			Laboratory ID #	Preservative	Comments	Total # of containers
T36	10/11/00	8:15A	Soil	Brass										X			01		Carbon Chain	1
T37		8:30												X			02		C6-C12	1
T38		8:45												X			03		C13-C22	1
T39		8:50												X			04		>C23	1
T40		9:15												X			05			1
T41		10:45												X			06			1
T42		11:00												X			07			1
T43		11:10												X			08			1
T44		11:20												X			09			1
T45		11:45												X			10			1
S18-1		12:15pm												X			11			1
S18-2		12:25												X			12			1
S18-3		12:30												X			13			1
S19-1		12:45												X			14			1
S19-2		1:00												X			15			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabhan Odeh	10/11/00 2pm	[signature]	10/11/00 1400
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 15
Chain of Custody seals Y/N/NA:
Seals intact? Y/N/NA:
Received good condition/cold: Y

Turn around time: 48 hrs.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-781-6777

Chain of Custody Record

Client: ATC Associates
Address: 17321 Irvine Blvd, Tustin, CA
Phone: 714-734-0303 Fax: 714-734-0510
Project Manager: John Lorenzano

Date: 10-23-00 Page: 1 Of 1
Project Name: Hathaway Company
Collector: N. Odola Client Project #: 42.8[illegible]
Batch #: 2178 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020 BTEX	EPA 8260	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 6010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals				Laboratory ID #	Preservative	Comments	Total # of containers
S9-1	10/23/00	2:30 PM	Soil	Brass		X							X				01			1
S4-3	"	2:45	"			X							X				02			1
S16-4	"	2:50	"			X											03			1
S18-4	"	3:10	"			X											04			1
S2-1	"	3:20	"			X											05			1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Nabihan Odola	10/23/00	[illegible]	
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 5
Chain of Custody seals Y/N/NA:
Seals intact? Y/N/NA:
Received good condition/cold:

Turn around time: 24 hrs

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___