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STAGE 1 & 2 REPORTS

DATE:

Nov. 1998

WESTGATE SUBDIVISION, GRIMES BATTERY and TASKER ROAD

STAGE 1 ABATEMENT PLAN INTERIM REPORT (SITE ASSESSMENT INVESTIGATION)

November 1998

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1.0 INTRODUCTION

The subject site is located in west Hobbs, New Mexico. The Westgate Subdivision consists of developed and undeveloped property bordered by Tasker Road to the East, the Los Cuatro Land Development property to the West, Sanger Road to the South, and Princess Jeanne Drive to the North (**Figure 1**). The scope of this work also includes undeveloped property extending approximately 400 feet west of Cobb Drive (**Figure 2**). The Grimes site is a former tank battery location that was decommissioned in 1993. The Tasker site consists of two residential properties; one currently unoccupied and one undeveloped (**Figure 2**). Assessment activities were recently performed at the Grimes and Tasker sites, and the results of the assessment activities were submitted to the New Mexico Oil Conservation Division (NMOCD).

Figure 2 depicts the oil and gas lease holders within the Westgate Subdivisions and Los Cuatro Land Development property. The map shows all oil and gas leaseholders, and existing and plugged and abandoned wells within a one mile radius of the Grimes Battery.

Sources of aerial photography continue to be investigated in an effort to obtain additional aerial photographs. Aerial photographs identified and available spanning the time the lease has been operable are included in **Appendix I** (1949, 1954, 1964, 1967, 1978, and 1988).

2.0 SITE HISTORY

2.1 WESTGATE SUBDIVISION

The subject site consists of residential and undeveloped properties, and is bordered to the East by Tasker Road, the South by Sanger Street, and the North by Princess Jeanne Drive. The scope of this work includes the investigation of the undeveloped property owned by Los Cuatro Land Development which extends approximately 400 feet west of Cobb Street.

2.2 GRIMES BATTERY

The subject site is a former tank battery location on the Grimes Lease. The Grimes Lease is currently operated by Altura Energy LTD. According to Altura Energy LTD's remediation plan submitted for this property, the site has been in use as an oilfield tank battery since 1946. The tank battery was decommissioned in 1993. In September 1997, Altura Energy LTD. submitted a plan for the remediation of oil impacted soil at the subject site. Following removal of tanks and equipment at the battery location, Altura Energy LTD. representatives excavated soils in an area that was suspected to have been a former emergency pit. Soils were excavated to a depth of approximately 14 feet below ground surface (bgs). A total of 4,259.58 cubic yards of soil were excavated and transported to the Sundance Services, Inc., Parabo Disposal Facility located in

Eunice, New Mexico. According to Altura Energy LTD. personnel, the soils were screened on-site with a General Analysis Corporation Mega TPH analyzer for total petroleum hydrocarbons (TPH) using method 418.1 modified.

Philip representatives were on-site December 5 and December 8, 1997, to oversee the installation of a temporary monitor well designated as (TMW-1) and the monitor well designated as (MW-1) at the former battery site (**Appendix II**).

The groundwater sample collected from temporary monitor well TMW-1 exhibited concentrations in excess of Standards for groundwater as outlined in New Mexico Water Quality Control Commission, Title 20, Chapter 6, Part 2 (20 NMAC 6.2), section 3-103 for benzene (0.044 mg/L), methylene chloride (0.110 mg/L) and phenols (0.14 mg/L). The 20 NMAC 6.2 Standards for these constituents are 0.01 mg/L, 0.10 mg/L, and 0.005 mg/L, respectively. Methylene chloride is a commonly used cleaning agent for the decontamination of laboratory equipment.

The groundwater sample collected from monitor well MW-1 exhibited a phenols concentration of 0.15 mg/L, which is in excess of the 20 NMAC 6.2 3-103 standard of 0.005 mg/L.

No other analytes exhibited concentrations in excess of 20 NMAC 6.2 3-103 Standards in either of the groundwater samples.

NMOCD required analysis for many compounds that are not expected to be found in crude oil, or associated with oil and gas production activities (as examples: PCB's, pesticides, herbicides, and some chlorinated compounds). Naturally occurring inorganic analytes (metals, pH, chlorides, fluoride, nitrate, sulfate, TDS, and radium) were detected in the samples. The analytes detected in the samples are consistent with those compounds found in association with oil and gas production activities and natural occurrence of analytes.

Analytical results and details of assessment activities can be found in the report prepared by Philip Services Corporation entitled *Grimes Battery Soil and Groundwater Assessment Report*. A summary table of analytical results is included in this report in **Appendix II**.

2.3 TASKER ROAD

The subject site is located at 1331 and 1329 Tasker Road, Hobbs, New Mexico. The site consists of two residential properties; one currently unoccupied and one undeveloped. As a result of the construction activities, an asphalt-like layer was observed to be present at the site. The layer occurs at a depth of approximately one to two feet below ground surface (bgs) and varies in thickness from several inches to several feet across the properties. The asphalt-like substance appears to be crude oil that may have been spread on the ground in accordance with normal past operating practices.

Shell representatives sampled the material in November 1997, and analyzed the samples for total petroleum hydrocarbons (TPH); benzene, toluene, ethylbenzene, and xylenes (BTEX); total chlorides, and TCLP metals.

Analysis of TCLP metals indicates that all constituents analyzed are below detection limits. Total chlorides were detected at a concentration of 128 milligrams per kilogram (mg/kg). Benzene, toluene, and ethylbenzene concentrations were below detection limits, and minor concentrations of total xylenes were detected at a concentration of 0.017 mg/kg. TPH compounds were analyzed using GC/FID scan to identify and quantify the analytes present in the sample, providing a chemical fingerprint of the compounds. Analytical results indicate the presence of n-Alkanes C13-C40. The chromatographic analysis exhibited characteristics described by the laboratory as those of a weathered crude oil. The value for numerous branched alkanes and cyclic hydrocarbons (unresolved, 4122 mg/kg) are representative of USEPA Method 8015 analysis of non-halogenated volatile organics.

A subsurface investigation was performed by Philip representatives on January 20 and 26, 1998. As approved by the NMOCD, the scope of the subsurface investigation was to collect two samples at each of five sample locations (**Appendix II**). The sample locations consisted of each of the four corners and the center of the suspected area of asphaltic material. The sample locations were selected based on the use of a 1964 aerial photograph, and on accessibility of a backhoe. One sample was collected from the asphaltic material at a depth of approximately 1-2 feet bgs, and one sample was collected from soil beneath the asphaltic material at a depth of 5-6 feet bgs in each location.

Two soil samples were collected from each of the five sample locations and submitted for analysis to Trace Analysis in Lubbock, Texas. The samples were analyzed for the compounds listed in 20 NMAC 6.2, sections 1-101 and 3-103 as requested by NMOCD.

No pesticides, chlorinated compounds, polycyclic aromatic hydrocarbons (PAHs), or semi-volatile compounds (SVOCs) were detected. With the exception of tetrachlorethane, ethylbenzene and m&p-xylenes, no volatile organic compounds were detected. Metals identified in the samples include barium, nickel, zinc, aluminum, iron, manganese, copper, cadmium, selenium, and arsenic. Minor concentrations of radium 226 or radium 228 were detected in some of the samples.

TPH was detected in every sample with concentrations ranging from 1,800 to 200,000 mg/kg. Ethylbenzene was detected in six of the ten samples at concentrations ranging from 0.1 to 9.7 mg/kg. M&p-Xylenes were detected in six samples at concentrations ranging from 0.13 to 39 mg/kg. Tetrachloroethane was detected in sample SS-3, 5.5 feet at a concentration of 0.54 mg/kg.

NMOCD required analysis for many compounds that are not expected to be found in crude oil, or associated with oil and gas production activities (as examples: PCB's, pesticides, herbicides, and some chlorinated compounds). Naturally occurring inorganic analytes (metals, pH, chlorides, fluoride, nitrate, sulfate, TDS, and radium) were detected in the samples. The analytes detected in the samples are consistent with those compounds found in association with oil and gas production activities and natural occurrence of analytes.

In addition to the sampling performed at this site, the area was trenched using a backhoe in an effort to identify the horizontal extent of the asphaltic material. The extent of asphaltic material as observed in the field is shown in **Figure 3.**

Analytical results and details of assessment activities can be found in the report prepared by Philip Services Corporation entitled *Tasker Road Site Assessment Report.* A summary table of analytical results is included as **Appendix II.**

3.0 GEOLOGY AND HYDROGEOLOGY

The Ogallala Formation is the principal source of groundwater in the subject area. Depth to groundwater in Lea County ranges from approximately 12 feet below ground surface (bgs) to approximately 300 feet bgs. The Ogallala consists of predominantly coarse fluvial conglomerate and sandstone and fine-grained eolian siltstone and clay. Where present in the subject area, the Ogallala unconformably overlies triassic red-beds. The regional groundwater gradient is to the south/southeast.

Depth to groundwater at the subject site is approximately 65 feet bgs. Groundwater elevations measured in thirteen monitor wells are shown in **Figures 12 and 13** and **Table 1**.

Subsurface geology in the subject area consists of buff, hard limestone to a depth of approximately 15 feet bgs underlain by predominantly tan, fine-grained sandstone with minor amounts of red sandstone, chert, and limestone. Boring lithology logs are included in this report in **Appendix III.**

Table 1
LNAPL AND GROUNDWATER ELEVATIONS
WESTGATE SUBDIVISION
HOBBS, NEW MEXICO

MONITORING WELL	TOP OF CASING (feet)	DATE	DEPTH TO GROUNDWATER (feet)	DEPTH TO LNAPL (feet)	LNAPL THICKNESS (feet)	CORRECTED GROUNDWATER (feet)
GMW-1	3647.84	10/01/98	67.55	67.53	0.02	3580.30
GMW-2	3648.51	10/01/98	67.26	0.00	0.00	3581.25
GMW-3B	3648.26	10/01/98	67.52	Sheen	Sheen	3580.74
GMW-4	3647.79	10/01/98	67.03	0.00	0.00	3580.76
GMW-5	3648.41	10/01/98	68.39	62.20	6.19	3580.45
GMW-6	3648.22	10/01/98	68.02	0.00	0.00	3580.20
GMW-7	3644.98	10/01/98	65.55	0.00	0.00	3579.43
GMW-8	3645.66	10/01/98	66.08	0.00	0.00	3579.58
GMW-9	3646.27	10/01/98	66.14	0.00	0.00	3579.58
GMW-10	3645.65	10/01/98	64.21	0.00	0.00	3581.44
TMW-1	3646.18	10/01/98	66.94	0.00	0.00	3579.24
TMW-2	3643.94	10/01/98	65.07	0.00	0.00	3578.87
TMW-3	3643.50	10/01/98	64.58	0.00	0.00	3578.92

4.0 FIELD ACTIVITIES and METHODOLOGY

Field activities were conducted during the period of July 27, 1998 through October 7, 1998. Field activities included a soil vapor survey, drilling and soil sampling of twenty-four boreholes, drilling and sampling of thirteen monitor wells, auger sampling of eight auger borings, and delineation of observed surface staining using a backhoe. All field activities were performed in accordance with the Stage 1 Abatement Plan (Site Assessment Investigation) as modified and approved by the NMOCD. Photographs of field activities are included in **Appendix IV**.

4.1 SOIL GAS SURVEY

A soil gas survey utilizing Direct Push Technology (DPT) was conducted by BBC International, Inc. and Transglobal Environmental GeoSampling/GeoChemistry in the Westgate Subdivision (comprised of both developed and undeveloped land). The survey was conducted from July 27, 1998 to August 20, 1998. The sample locations were spaced at 100 foot intervals across the subject area and in areas of possible former operations (**Figures 4 and 5**).

A total of 268 soil vapor samples were collected at a depth of five feet below ground surface. The samples were analyzed in the field using a mobile laboratory for Volatile Aromatic and Halogenated Hydrocarbons (14 Analytes, EPA Method 8021) and TPH, Methane, Ethane, Propane, Butane, Pentane, and Hexane (EPA Method 8015 modified). Soil gas analytical results are discussed below in Section 5.1.

A Direct Push STRATAPROBE was used in collecting the soil vapor samples. The STRATAPROBE, a four-wheel-drive, one ton truck is equipped with a diesel-powered PTO hydraulic hammer system. The soil vapor probes are constructed of 1 ½ inch OD hardened steel, equipped with expendable tips. An inert nylaflow tube runs down the center of the probe to the expendable point holder above the tip.

The probe was driven into the ground by the force of the static weight and the high frequency hydraulic hammer. Once inserted to the desired depth, the probe was withdrawn ½ inch, which opens the tip and exposes the sampling port to the formation. The sampling train, attached to a post-run-tubing adapter, was then run into the open probe rod and screwed into the point holder.

Soil vapor was drawn from the nylaflow tubing using a syringe connected via an on-off valve. Three (3) dead space volumes (1 cc per foot of tubing) were drawn and discarded, ensuring that a representative sample from the formation was recovered. The next 20 cc's of gas were drawn into glass, airtight syringes, and immediately transferred to the mobile lab for analysis within minutes of collection.

The soil vapor sample holes were backfilled with granular bentonite to 6 inches below ground surface, hydrated, then backfilled to surface with native soil.

4.2 INSTALLATION AND SAMPLING OF BOREHOLES

The backyard of the residence located at 1341 North Cobb Street (**Figure 6**) was investigated using auguring techniques to delineate the horizontal and vertical extent of organic and inorganic constituents.. Auguring was employed rather than drilling of a borehole due to restricted access for a drilling rig. As necessary to delineate the extent of organic and inorganic constituents., soil samples were collected by auger, screened in the field for volatile organic compounds (VOC's) using a photoionization detector (PID), and were inspected for the presence of staining or odor. Sampling continued until no PID readings, staining, and odors were observed.

Seven samples were collected from backyard of the residence located at 1341 North Cobb Street (**Figure 6**) and were submitted for laboratory analysis. The sample exhibiting the highest PID reading (CSS #6) was submitted for laboratory analysis for compounds listed in New Mexico Water Quality Control Commission, Title 20, Chapter 6, Part 2, sections 3-103 and 1-101 (20 NMAC 6.2 3-103 and 1-101) as requested by the NMOCD. Laboratory analysis of these compounds was performed using USEPA methods 8260, 8270, 8080, 8081A, 150.1, 160.1, 200.7, 245.1, 335.2, 340.2, 353.3, and 418.1.

In addition to the sampling described above, one sample (CSS # 8) was collected by auger from the front yard of the residence located at 1341 North Cobb Street. The sample was submitted for laboratory analysis for TPH using USEPA method 418.1, chlorides using USEPA method 160.1, and for agricultural general chemistry (soil macronutrients and micronutrients, **Appendix V**).

The area north of the tank battery where stained soil was observed (**Figure 3**) was investigated to delineate the horizontal and vertical extent of organic and inorganic constituents by trenching using a backhoe or other equipment. Three boreholes (GSB-5, GSB-6, and GSB-7) were drilled at this location. Soils were sampled at a depth of 2-3 feet bgs, and at five-foot intervals. Soil samples were screened in the field for VOCs using a PID, and were inspected for the presence of staining or odor. Drilling and sampling continued until no PID readings, staining, and odor were observed. The sample collected at a depth of 2-3 feet bgs, the sample exhibiting the highest PID reading, and the sample collected from the bottom of the borehole were submitted for laboratory analysis for compounds listed in New Mexico Water Quality Control Commission, Title 20, Chapter 6, Part 2, Sections 3-103 and 1-101 (20 NMAC 6.2 3-103 and 1-101) as requested by the NMOCD. Laboratory analysis of these compounds was performed using USEPA methods 8260, 8270, 8080, 8081A, 150.1, 160.1, 200.7, 245.1, 335.2, 340.2, 353.3, and 418.1.

A total of twenty-four boreholes were drilled and sampled. Eleven boreholes were placed in the area of the excavated former pit (Grimes Battery). Borehole locations GSB-1 through GSB-11 are shown in **Figures 7 and 8**. The boreholes were strategically placed in order to determine contaminant concentrations if present in the base and sidewalls of the pit excavation, and to delineate the horizontal and vertical extent of contamination. The former pit area has been partially filled with approximately 2-3 feet of clean backfill material. No samples were collected from the backfill material. When native soils beneath the backfill were encountered, the soils were sampled at a depth of 2-3 feet below the backfill and at five-foot intervals.

Soil samples in the Grimes tank battery area were screened in the field for volatile organic compounds (VOC's) using a photoionization detector (PID), and were inspected for the presence of staining or odor. Drilling and sampling continued until no PID readings, staining, and odors were observed. The sample exhibiting the highest PID reading and the sample collected from the bottom of the borehole were submitted for laboratory analysis for total petroleum hydrocarbons (TPH) using USEPA Method 418.1, benzene, toluene, ethylbenzene, and xylenes (BTEX) using USEPA Method 8020, and chlorides using USEPA Method 300. The sample collected at a depth of 2-3 feet below the backfill material was submitted to Trace Analysis in Lubbock, Texas and analyzed for the compounds listed in New Mexico Water Quality Control Commission (WQCC) sections 1-101 and 3-103 standards using USEPA methods 8260, 8270, 8080, 8081A, 150.1, 160.1, 200.7, 245.1, 335.2, 340.2, 353.3, and 418.1.

Thirteen boreholes (TSB-1 through TSB-13) were installed at the Tasker Road site in order to identify the horizontal and vertical extent of organic and inorganic constituents.. The borehole locations are shown in **Figures 7 and 9**. The locations were selected based on field observations

concerning the edge of the asphaltic material, and on proximity of the proposed sample location to the residential foundation.

The sample locations adjacent to the residential foundation were sampled at a depth of 2-3 feet bgs, five feet bgs, and ten feet bgs. Soil samples were screened in the field for volatile organic compounds (VOC's) using a photoionization detector (PID), and were inspected for the presence of staining or odor. Each sample was submitted for laboratory analysis for TPH (using USEPA Method 418.1) and for the compounds listed in 20 NMAC 6.2 3-103 and 1-101. Laboratory analysis of these compounds was performed using USEPA methods 8260, 8270, 8080, 8081A, 150.1, 160.1, 200.7, 245.1, 335.2, 340.2, and 353.3.

Drilling and sampling of each of the other borehole locations continued until no PID readings, staining, and odors were observed. The sample collected at a depth of 2-3 feet bgs, the sample collected at a depth of five feet bgs, the sample exhibiting the highest PID reading and the sample collected from the bottom of the borehole were submitted for laboratory analysis for TPH (using USEPA Method 418.1) and for the compounds listed in 20 NMAC 6.2 3-103 and 1-101 using USEPA methods 8260, 8270, 8080, 8081A, 150.1, 160.1, 200.7, 245.1, 335.2, 340.2, and 353.3.

One background sample was collected from a depth of 2-3 feet bgs. The sample was collected from GMW-2. The sample was analyzed for metals to identify background concentrations in native soils in this area.

All boreholes were plugged to surface with a cement grout containing a minimum of 3-5% bentonite.

4.2 INSTALLATION AND SAMPLING OF MONITOR WELLS

A total of thirteen monitor wells were installed in the subject area. Ten monitor wells (GMW-1 through GMW-10) were installed in the former Grimes battery area in order to identify the groundwater gradient at the site and identify the downgradient extent of groundwater impacts. Three monitor wells (TMW-1 through TMW-3) were drilled at the Tasker road location to identify if groundwater has been impacted at this location. Monitor well locations are shown in **Figures 7, 8, and 9**.

Soil samples were collected at five-foot intervals and were screened in the field for volatile organic compounds (VOC's) using a photoionization detector (PID), and were inspected for the presence of staining or odor. The sample exhibiting the highest PID reading and the sample collected from the interval where groundwater was encountered were submitted for laboratory analysis for compounds listed in New Mexico Water Quality Control Commission, Title 20, Chapter 6, Part 2, sections 3-103 and 1-101 (20 NMAC 6.2 3-103 and 1-101) as requested by the NMOCD. Laboratory analysis of these compounds was performed using USEPA methods 8260, 8270, 8080, 8081A, 150.1, 160.1, 200.7, 245.1, 335.2, 340.2, 353.3, and 418.1.

Monitor wells were constructed using 4-inch inside-diameter schedule 40 PVC casing. The wells were constructed with fifteen feet of slotted PVC casing, 10 feet below top of groundwater, and five feet above top of groundwater. The wells were sand-packed with a two-foot bentonite plug placed immediately above the sand pack. The wells were grouted above the bentonite plug with cement containing 3-5% bentonite, and completed with a flush mounted or four-inch locking monument sleeve cover. Monitor well construction diagrams are included in **Appendix VI**.

5.0 LABORATORY ANALYTICAL RESULTS

All soil and groundwater samples were submitted for laboratory analysis to Trace Analysis, in Lubbock, Texas. Analytical results are shown in **Tables 3 and 4**, and are included in **Appendix V**. Soil borings identified on chain-of-custody records and analytical results as SB-1, SB-2, MW-1, MW-2, etc. have been renamed in this report and for future reference as GSB-1, GSB-2, etc. All sampling and analyses were performed in accordance with the standards outlined in 20 NMAC 6.3107 B.

5.1 SOIL GAS SURVEY ANALYTICAL RESULTS

Soil gas survey analytical results are summarized in **Table 2**. QA/QC, chain-of-custody, and field log documentation are included in this report in **Appendix VII**.

Of the 268 soil vapor samples collected and analyzed, greater than 75% of analytes analyzed were not detected. Methane was found in each of the samples, and likely represents naturally occurring organic decomposition conditions as indicated by the TEG chemist. Sample location SV-158, located in the alley between Tasker Drive and San Andres Drive, exhibited concentrations of TPH, methane, ethane, propane, butane, pentane, hexane, benzene and total xylenes. This sample point was the source of a natural gas leak from a line owned by the natural gas utility, Zia Natural Gas Company. Site personnel reported a mercaptan odor during the sampling process, and after analysis the leak was reported to the utility. The utility responded to repair the leak.

5.2 SOIL SAMPLE ANALYTICAL RESULTS

Soil sample analytical results are summarized in **Table 3**. Laboratory analytical results are included in **Appendix V**. QA/QC, and chain-of-custody documentation are included in **Appendix VIII**. Soil borings identified on chain-of-custody records and analytical results as SB-1, SB-2, MW-1, MW-2, etc. have been renamed in this report and for future reference as GSB-1, GSB-2, etc.

TPH and BTEX analytical results are shown on **Figures 10 and 11**.

NMOCD required analysis for many compounds that are not expected to be found in crude oil, or associated with oil and gas production activities (as examples: PCB's, pesticides, herbicides, and some chlorinated compounds). Naturally occurring inorganic analytes (metals, pH, chlorides, fluoride, nitrate, sulfate, TDS, and radium) were detected in the samples. The analytes detected in the samples are consistent with those compounds found in association with oil and gas production activities and natural occurrence of analytes.

5.3 GROUNDWATER SAMPLE ANALYTICAL RESULTS

Groundwater analytical results are summarized in **Table 4**. Laboratory analytical results are included in **Appendix V**. QA/QC, and chain-of-custody reports are included in this report in **Appendix VIII.**

TPH and BTEX analytical results are shown on **Figures 12 and 13**.

NMOCD required analysis for many compounds that are not expected to be found in crude oil, or associated with oil and gas production activities (as examples: PCB's, pesticides, herbicides, and some chlorinated compounds).

Naturally occurring inorganic analytes (metals, pH, chlorides, fluoride, nitrate, sulfate, TDS, and radium) were detected in the groundwater samples. Iron, aluminum, fluoride, manganese (three samples), cobalt (one sample), and chromium (two samples) were detected above 20 NMAC 6.2 3-103 drinking water and irrigation standards.

Benzene, toluene, and ethylbenzene were not detected in any of the groundwater samples at concentrations above 20 NMAC 6.2 3-103 standards. Xylenes were detected at a concentration above the 20 NMAC 6.2 3-103 standard of 0.62 mg/L in the samples collected from GMW-1, GMW-3, and GMW-5.

Polycyclic Aromatic Hydrocarbons (total napthelene plus monomethylnapthalenes) were detected above the 20 NMAC 6.2 3-103 standard of 0.03 mg/L in the samples collected from GMW-3 and GMW-5. Phenols were detected above the 20 NMAC 6.2 3-103 standard of 0.005 mg/L in the samples collected from TMW-2, TMW-3, GMW-2, GMW-4, and GMW-6.

No other organic compounds analyzed were detected above 20 NMAC 6.2 3-103 standards.

The analytes detected in the samples are consistent with those compounds found in association with oil and gas production activities and natural occurrence of analytes.

6.0 HEALTH AND SAFETY

All site activities were performed in accordance with Occupational Safety and Health Administration (OSHA) standards. All on site personnel were required to wear a hard hat, safety

glasses, and steel-toe shoes during work activities. In addition to OSHA worker protection requirements, on site air monitoring was performed during site activities by placing a PID in the downwind direction during drilling and sampling activities.

7.0 CONCLUSIONS

Of the 268 soil vapor samples collected and analyzed, greater than 75% of analytes analyzed were not detected. Methane was found in each of the samples, and likely represents naturally occurring organic decomposition conditions as indicated by the TEG chemist. Sample location SV-158, located in the alley between Tasker Drive and San Andres Drive, exhibited concentrations of TPH, methane, ethane, propane, butane, pentane, hexane, benzene and total xylenes. This sample point was the source of a natural gas leak from a line owned by the natural gas utility, Zia Natural Gas Company.

The analytes detected in the soil and groundwater samples are consistent with those compounds found in association with oil and gas production activities and natural occurrence of analytes. NMOCD required analysis for many compounds that are not expected to be found in crude oil, or associated with oil and gas production activities (as examples: PCB's, pesticides, herbicides, and some chlorinated compounds). Naturally occurring inorganic analytes (metals, pH, chlorides, fluoride, nitrate, sulfate, TDS, and radium) were detected in the soil and groundwater samples.

Iron, aluminum, fluoride, manganese (three samples), cobalt (one sample), and chromium (two samples) were detected in the groundwater samples above 20 NMAC 6.2 3-103 drinking standards.

Benzene, toluene, and ethylbenzene were not detected in any of the groundwater samples at concentrations above 20 NMAC 6.2 3-103 standards. Xylenes were detected at a concentration above the 20 NMAC 6.2 3-103 standard of 0.62 mg/L in the samples collected from GMW-1, GMW-3, and GMW-5.

Polycyclic Aromatic Hydrocarbons (total napthelene plus monomethylnapthalenes) were detected above the 20 NMAC 6.2 3-103 standard of 0.03 mg/L in the samples collected from GMW-3 and GMW-5. Phenols were detected above the 20 NMAC 6.2 3-103 standard of 0.005 mg/L in the samples collected from TMW-2, TMW-3, GMW-2, GMW-4, and GMW-6.

No other organic compounds analyzed were detected above 20 NMAC 6.2 3-103 standards.

8.0 REFERENCES

Grimes Battery Soil and Groundwater Assessment Report; Philip Services Corporation; February, 1998

Groundwater Handbook; United States Environmental Protection Agency, Office of Research and Development, Center for Environmental Research Information; 1992

Hydrology and Hydrochemistry of the Ogallala Aquifer, Southern High Plains, Texas Panhandle and Eastern New Mexico; Report Number 177; Bureau of Economic Geology; 1988

Hydrogeochemistry and Water Resources of the Lower Dockum Group in the Texas Panhandle and Eastern New Mexico; Report Number 161: Bureau of Economic Geology; 1986

New Mexico Water Quality Control Commission, Title 20 Chapter 6, Part 2, Subpart I

Tasker Road Site Assessment Report; Philip Services Corporation; February, 1998

Westgate Subdivision, Grimes Battery and Tasker Road Stage 1 Abatement Plan (Site Assessment Investigation); Philip Services Corporation; May 1998

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	BLANK	SV-13	SV-14	SV-15	SV-68	SV-16	SV-17	SV-18	SV-19	SV-44
DEPTH (FT)	---	5	5	5	5	5	5	5	5	5
PURGE (CC)	---	60	60	60	60	60	60	60	60	60
DATE ANALYZED	7/27/98	7/27/98	7/27/98	7/27/98	7/27/98	7/27/98	7/27/98	7/27/98	7/27/98	7/27/98
TIME ANALYZED	10:39	11:02	11:27	11:50	12:16	12:40	13:03	13:26	13:50	14:18
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	2	ND	ND	ND
Methane	3	3	4	16	27	16	56	9	8	5
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-43	SV-42	SV-41	SV-54	SV-40	SV-55	BLANK	SV-1	SV-2	SV-3
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	7/27/98	7/27/98	7/27/98	7/27/98	7/27/98	7/27/98	7/28/98	7/28/98	7/28/98	7/28/98
TIME ANALYZED	14:41	15:06	15:30	15:55	16:20	16:42	7:06	8:33	9:09	9:46
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	ND	ND	2*	ND
Methane	2	27	17	5	2	9	3	17	45	7
Ethane	ND	2	ND	ND	ND	ND	ND	ND	3	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-4	SV-5	SV-6	SV-7	SV-8	SV-9	SV-10	SV-11	SV-12	SV-20
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	7/28/98	7/28/98	7/28/98	7/28/98	7/28/98	7/28/98	7/28/98	7/28/98	7/28/98	7/28/98
TIME ANALYZED	10:11	10:34	10:57	11:20	11:46	12:42	13:12	13:26	14:02	14:24
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methane	2	4	2	3	3	2	5	2	4	5
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-21	SV-39	SV-53	SV-238	BLANK	SV-22	SV-23	SV-24	SV-25	SV-26
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	7/28/98	7/28/98	7/28/98	7/28/98	7/29/98	7/29/98	7/29/98	7/29/98	7/29/98	7/29/98
TIME ANALYZED	14:47	15:16	15:48	16:40	6:58	8:38	9:04	9:29	9:58	10:24
Method 8021										
Benzene	ND	1	ND	1	ND	ND	ND	ND	ND	ND
Toluene	ND	35	ND	6	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	10	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	65	1	7	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	600	7	200	ND	ND	ND	700	13	7
Methane	5	16	10	200	4	7	4	3	5	20
Ethane	ND	1	1	5	ND	ND	ND	ND	ND	1
Propane	ND	ND	ND	2	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	4	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	19	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-52	SV-51	SV-50	SV-49	SV-48	SV-47	SV-46	SV-45	SV-59	SV-58
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	7/29/98	7/29/98	7/29/98	7/29/98	7/29/98	7/29/98	7/29/98	7/29/98	7/29/98	7/29/98
TIME ANALYZED	10:49	11:16	11:38	12:03	12:56	13:33	13:56	14:20	14:43	15:05
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	3	3	3	4	2	1	ND	ND	ND	ND
Methane	5	3	6	20	5	7	3	1	4	4
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-57	SV-56	SV-60	SV-61	BLANK	SV-27	SV-28	SV-29	SV-30	SV-31
DEPTH (FT)	5	5	5	5	---	5	5	5	5	5
PURGE (CC)	60	60	60	60	---	60	60	60	60	60
DATE ANALYZED	7/29/98	7/29/98	7/29/98	7/29/98	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98
TIME ANALYZED	15:29	15:50	16:13	16:35	7:16	8:49	9:14	9:40	10:03	10:28
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methane	8	4	2		5	8	3	3	4	3
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-33	SV-32	SV-34	SV-35	SV-36	SV-37	SV-38	SV-62	SV-63	SV-64
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98
TIME ANALYZED	10:50	11:15	11:44	12:06	13:08	13:34	13:56	14:18	14:44	15:06
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methane	5	6	9	8	8	3	3	5	2	3
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-65	SV-66	SV-79	SV-78	SV-77	BLANK	SV-76	SV-75	SV-74	SV-73
DEPTH (FT)	5	5	5	5	5	---	5	5	5	5
PURGE (CC)	60	60	60	60	60	---	60	60	60	60
DATE ANALYZED	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98	7/31/98	7/31/98	7/31/98	7/31/98	7/31/98
TIME ANALYZED	15:29	15:52	16:17	16:39	17:00	7:20	8:41	9:02	9:24	9:45
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methane	5	6	4	2	4	6	12	9	12	6
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-92	SV-91	SV-90	SV-89	SV-88	SV-87	SV-86	SV-85	SV-84	SV-83
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	7/31/98	7/31/98	7/31/98	7/31/98	7/31/98	7/31/98	7/31/98	7/31/98	7/31/98	7/31/98
TIME ANALYZED	10:10	10:32	10:55	11:18	11:41	13:46	14:09	14:31	14:53	15:14
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methane	7	2	4	5	8	3	1	9	7	4
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	BLANK	SV-164	SV-167	SV-178	SV-181A	SV-181	SV-192	SV-195	SV-206	SV-209
DEPTH (FT)	---	5	5	5	5	5	5	5	5	5
PURGE (CC)	---	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/3/98	8/3/98	8/3/98	8/3/98	8/3/98	8/3/98	8/3/98	8/3/98	8/3/98	8/3/98
TIME ANALYZED	6:04	8:39	9:06	9:30	10:04	10:31	11:42	11:42	12:05	13:38
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	10*	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	37	1	3	ND	ND	ND	ND	2	ND
Methane	3	4	3	10	3	9	4	4	4	3
Ethane	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-220	SV-222	SV-234	SV-233	SV-223	SV-219	BLANK	SV-205	SV-210	SV-196
DEPTH (FT)	5	5	5	5	5	5	---	5	5	5
PURGE (CC)	60	60	60	60	60	60	---	60	60	60
DATE ANALYZED	8/3/98	8/3/98	8/3/98	8/3/98	8/3/98	8/3/98	8/4/98	8/4/98	8/4/98	8/4/98
TIME ANALYZED	14:02	14:28	14:55	15:57	16:14	16:41	7:37	8:58	9:30	9:56
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	1*	ND	ND	ND	ND	ND	ND
Methane	8	2	3	4	4	5	2	5	3	5
Ethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-191A	SV-191	SV-191B	SV-191C	SV-191D	SV-182	SV-177	SV-168	SV-163	BLANK
DEPTH (FT)	5	5	5	5	5	5	5	5	5	—
PURGE (CC)	60	60	60	60	60	60	60	60	60	—
DATE ANALYZED	8/4/98	8/4/98	8/4/98	8/4/98	8/4/98	8/4/98	8/4/98	8/4/98	8/4/98	8/5/98
TIME ANALYZED	10:24	10:49	11:18	11:46	12:13	13:50	14:20	14:47	15:13	7:34
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	1	ND	ND	ND	30	2	1	ND	ND
Methane	3	5	3	4	4	7	6	6	3	7
Ethane	ND	ND	ND	ND	ND	ND	1	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-154	SV-153	SV-152	SV-165	SV-166	SV-179	SV-180	SV-193	SV-194	SV-207
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/5/98	8/5/98	8/5/98	8/5/98	8/5/98	8/5/98	8/5/98	8/5/98	8/5/98	8/5/98
TIME ANALYZED	8:53	9:21	9:47	10:13	10:41	11:06	11:33	12:02	13:36	14:10
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	1*	ND	ND	ND	1*	1*	4*	1*	1*	ND
Methane	4	7	7	5	5	6	7	3	8	3
Ethane	ND	ND	ND	ND	ND	ND	1	ND	1	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-208	SV-221	SV-235	BLANK	SV-236	SV-225	SV-217	SV-212	SV-203	SV-198
DEPTH (FT)	5	5	5	---	5	5	5	5	5	5
PURGE (CC)	60	60	60	---	60	60	60	60	60	60
DATE ANALYZED	8/5/98	8/5/98	8/5/98	8/6/98	8/6/98	8/6/98	8/6/98	8/6/98	8/6/98	8/6/98
TIME ANALYZED	14:49	15:22	15:54	7:29	8:58	9:27	9:54	10:22	10:49	11:16
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methane	5	3	3	4	2	4	3	3	3	4
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-189	SV-184	SV-175	SV-170	SV-161	SV-156	BLANK	SV-226	SV-216	SV-213
DEPTH (FT)	5	5	5	5	5	5	—	5	5	5
PURGE (CC)	60	60	60	60	60	60	—	60	60	60
DATE ANALYZED	8/6/98	8/6/98	8/6/98	8/6/98	8/6/98	8/6/98	8/7/98	8/7/98	8/7/98	8/7/98
TIME ANALYZED	11:45	13:43	14:09	14:36	15:13	15:45	7:21	7:45	9:16	9:42
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	<1	<1	ND	<1	ND	ND	ND	ND	ND
Methane	3	2	3	6	4	2	8	2	3	2
Ethane	ND	ND	ND	1	ND	ND	ND	ND	ND	ND
Propane	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	4	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-202	SV-199	SV-188	SV-185	SV-174	SV-171	SV-157	SV-146	SV-143	BLANK
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/7/98	8/7/98	8/7/98	8/7/98	8/7/98	8/7/98	8/7/98	8/7/98	8/7/98	8/10/98
TIME ANALYZED	10:10	10:38	11:06	11:33	13:30	14:12	15:11	15:36	16:00	7:25
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	2*	ND	2*	ND	ND	ND	ND
Methane	6	3	2	8	4	20	2	4	2	18
Ethane	ND	ND	ND	ND	ND	3	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-228	SV-158	SV-159	SV-172	SV-173	SV-186	SV-297	SV-200	SV-201	SV-214
DEPTH (FT)	5	5	2	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/10/98	8/10/98	8/10/98	8/10/98	8/10/98	8/10/98	8/10/98	8/10/98	8/10/98	8/10/98
TIME ANALYZED	9:06	9:34	10:22	10:51	11:19	11:45	14:01	14:27	14:54	15:22
Method 8021										
Benzene	ND	4	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	1	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	40	ND	ND	ND	ND	7	ND	ND	ND
Methane	5	30000	20	3	4	3	7	130	4	3
Ethane	ND	1000	3	ND	1	ND	ND	ND	ND	ND
Propane	ND	800	1	ND	ND	ND	ND	ND	ND	ND
Butane	ND	140	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	6	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-215	SV-227	BLANK	SV-138	SV-97	SV-98	SV112	SV-113	SV-120	SV-121
DEPTH (FT)	5	5	---	5	5	5	5	5	5	5
PURGE (CC)	60	60	---	60	60	60	60	60	60	60
DATE ANALYZED	8/10/98	8/10/98	8/11/98	8/11/98	8/11/98	8/11/98	8/11/98	8/11/98	8/11/98	8/11/98
TIME ANALYZED	15:49	16:20	6:38	8:31	9:00	9:23	9:48	10:14	10:42	11:07
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Methane	9	24	4	4	2	4	3	13	6	2
Ethane	ND	3	ND	ND	ND	ND	ND	4	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-128	SV-129	SV-136	SV-137	SV-144	SV-145	SV-155	SV-162	SV-169	BLANK
DEPTH (FT)	5	5	5	5	5	5	5	5	5	—
PURGE (CC)	60	60	60	60	60	60	60	60	60	—
DATE ANALYZED	8/11/98	8/11/98	8/11/98	8/11/98	8/11/98	8/11/98	8/11/98	8/11/98	8/11/98	8/12/98
TIME ANALYZED	11:33	11:58	13:29	13:58	14:27	14:52	15:17	15:44	16:10	6:45
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	ND	3*	ND	ND
Methane	3	2	9	4	6	1	2	10	4	4
Ethane	ND	ND	1	ND	ND	ND	ND	3	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-176	SV-183	SV-190	SV-197	SV-204	SV-211	SV-218	SV-224	SV-237	SV-232
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/12/98	8/12/98	8/12/98	8/12/98	8/12/98	8/12/98	8/12/98	8/12/98	8/12/98	8/12/98
TIME ANALYZED	8:33	9:02	9:28	9:53	10:18	10:49	11:18	11:45	13:24	13:52
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methane	8	4	6	3	4	2	1	1	10	2
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	2	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-231	SV-230	SV-229	SV-96	SV-99	BLANK	SV-103	SV-106	SV-111	SV-114
DEPTH (FT)	5	5	5	5	5	---	5	5	5	5
PURGE (CC)	60	60	60	60	60	---	60	60	60	60
DATE ANALYZED	8/12/98	8/12/98	8/12/98	8/12/98	8/12/98	8/13/98	8/13/98	8/13/98	8/13/98	8/13/98
TIME ANALYZED	14:18	14:44	15:10	15:36	16:01	6:55	8:52	9:17	9:42	10:08
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	ND	ND	9	ND
Methane	3	3	3	7	4	2	3	3	2	3
Ethane	ND	ND	ND	2	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-119	SV-122	SV-127	SV-130	SV-135	SV-95	SV-100	SV-102	SV-107	SV-110
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/13/98	8/13/98	8/13/98	8/13/98	8/13/98	8/13/98	8/13/98	8/13/98	8/13/98	8/13/98
TIME ANALYZED	10:33	10:59	11:25	13:10	13:36	14:01	14:25	14:50	15:18	15:43
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	ND	1	1	ND
Methane	3	2	3	5	8	5	3	5	1	1
Ethane	ND	ND	ND	ND	1	ND	ND	1	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-115	BLANK	SV-118	SV-123	SV-128	SV-131	SV-134	SV-139	SV-94	SV-93	SV-101
DEPTH (FT)	5	---	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	---	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/13/98	8/14/98	8/14/98	8/14/98	8/14/98	8/14/98	8/14/98	8/14/98	8/14/98	8/14/98	8/14/98
TIME ANALYZED	16:05	6:33	8:31	8:56	9:18	9:40	10:02	10:27	10:54	11:20	13:22
Method 8021											
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015											
TPH	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1
Methane	2	4	4	7	4	6	2	4	4	5	3
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-108	SV-109	SV-116	SV-117	SV-124	SV-125	SV-132	BLANK	TSVI	TSVM	TSVN	TSVG
DEPTH (FT)	5	5	5	5	5	5	5	—	7	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	—	60	60	60	60
DATE ANALYZED	8/14/98	8/14/98	8/14/98	8/14/98	8/14/98	8/14/98	8/14/98	8/17/98	8/17/98	8/17/98	8/17/98	8/17/98
TIME ANALYZED	13:51	14:20	14:44	15:09	15:33	15:56	16:18	6:44	9:42	10:18	10:48	11:30
Method 8021												
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	20	2	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	14	4	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	50	15	1	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015												
TPH	ND	ND	ND	ND	ND	ND	ND	ND	3000	100	1	ND
Methane	3	2	1	2	1	2	2	6	1000	2000	3	3
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	1	1	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	TSVH	TSVF	TSVE	TSVC	TSVB	TSVL	TSVK	TSVA
DEPTH (FT)	5	5	5	5	5	5	5	7
PURGE (CC)	60	60	60	60	60	60	60	60
DATE ANALYZED	8/17/98	8/17/98	8/17/98	8/17/98	8/17/98	8/17/98	8/17/98	8/17/98
TIME ANALYZED	11:55	13:18	14:11	14:37	15:04	15:50	16:15	16:41
Method 8021								
Benzene	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	20	ND	ND	33
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	30	ND	ND	55
Total Xylenes	ND	ND	ND	ND	200	3	2	300
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015								
TPH	ND	2	ND	ND	2000	10	3	3000
Methane	5	3	1	6	4000	4	2	8000
Ethane	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	12

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
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ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	BLANK	TSVJ	TSVP	TSVO	TSVQ	SV-104	SV-105	SV-147	SV-142	SV-148
DEPTH (FT)	—	7	1	1	1	5	5	5	5	5
PURGE (CC)	—	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/18/98	8/18/98	8/18/98	8/18/98	8/18/98	8/18/98	8/18/98	8/18/98	8/18/98	8/18/98
TIME ANALYZED	7:50	8:31	8:55	9:59	10:22	10:48	11:12	11:39	12:04	13:26
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	<20	ND	<1	ND	ND	ND
Methane	2	4	7	6	4	4	11	1	8	5
Ethane	ND	3	ND	ND	ND	ND	3	ND	ND	1
Propane	ND	ND	ND	ND	ND	ND	1	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	1	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-141	SV-140	SV-139	SV-167	SV-151	SV-150	BLANK	SV-239	SV-240	SV-149
DEPTH (FT)	5	5	5	5	5	5	—	5	5	5
PURGE (CC)	60	60	60	60	60	60	—	60	60	60
DATE ANALYZED	8/18/98	8/18/98	8/18/98	8/18/98	8/18/98	8/18/98	8/19/98	8/19/98	8/19/98	8/19/98
TIME ANALYZED	13:54	14:18	14:43	15:09	15:33	15:58	7:01	8:20	8:49	9:15
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	1	ND	ND	ND	ND	1	ND	200	3	ND
Methane	3	1	2	2	2	2	4	4	3	6
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	2	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
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ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-80	SV-81	SV-69	SV-70	SV-71	SV-72	TSVS	TSVT	TSVV	TSVU
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/19/98	8/19/98	8/19/98	8/19/98	8/19/98	8/19/98	8/19/98	8/19/98	8/19/98	8/19/98
TIME ANALYZED	9:39	10:01	10:22	10:45	11:08	11:32	14:03	14:29	14:51	15:20
Method 8021										
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	1	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	2	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	6	1	2	1
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Method 8015										
TPH	ND	ND	ND	ND	ND	ND	70	ND	1	ND
Methane	7	2	1	2	2	1	300	7	2	4
Ethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 2

Soil Gas Survey Results

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	TSVR	TSVY	TSVZ	BLANK	TSVAA	TSVX
DEPTH (FT)	5	5	5	—	5	3
PURGE (CC)	60	60	60	—	60	60
DATE ANALYZED	8/19/98	8/19/98	8/19/98	8/20/98	8/20/98	8/20/98
TIME ANALYZED	15:43	16:10	16:43	8:11	8:34	9:23
Method 8021						
Benzene	ND	ND	4	ND	ND	11
Toluene	ND	1	24	ND	ND	60
Chlorobenzene	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	1	10	ND	ND	14
Total Xylenes	ND	3	38	ND	ND	54
Vinyl chloride	ND	ND	ND	ND	ND	ND
1,1- Dichloroethene	ND	ND	ND	ND	ND	ND
Trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND
Method 8015						
TPH	2	50	100	ND	17	1500
Methane	9	51	80	3	15	6000
Ethane	ND	2	2	ND	2	4
Propane	ND	1	ND	ND	ND	1
Butane	ND	ND	ND	ND	ND	1
Pentane	ND	ND	ND	ND	ND	1
Hexane	ND	ND	ND	ND	ND	6

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
" * " INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED BY : Richard Rodriguez

Table 3 - Soil Laboratory Results

Analyte	Method	GMW-2 3'	GMW-2 13-15'	GMW-2 58-60	GMW-2 62-64D	GMW-3 53-55'	GMW-3 63-65'	GMW-4 18-20'	GMW-4 63-65'	GMW-5 58-60'	GMW-5 63-65'	GW-6 3-5'	GMW-6 63-65'	GMW-7 48-50'	GMW-7 63-65'	GMW-8 28-30'	GMW-8 63-65'	GMW-9 8-10'	GMW-9 63-65'	GMW-9D 63-65'	GMW-10 3-5'	GMW-10 63-65'
		Sample: 106823	Sample: 103766	Sample: 103765	Sample: 103764	Sample: 104147	Sample: 104148	Sample: 104099	Sample: 104100	Sample: 104339	Sample: 104340	Sample: 104532	Sample: 104533	Sample: 104633	Sample: 104634	Sample: 104948	Sample: 104949	Sample: 106457	Sample: 106458	Sample: 106459	Sample: 106342	Sample: 106343
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Acrolein	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethylene	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobenzene	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethylene	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37	ND	ND	ND	ND	ND	ND
Dichloropropenes	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	S-8260B		ND	ND	ND	2.0	0.15	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluorometane	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41	ND	ND	ND	ND	ND	ND
Trichloroethylene	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42	ND	ND	ND	ND	ND	ND
Vinyl chloride	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-xylene	S-8260B		ND	ND	ND	8.70	0.81	ND	ND	ND	0.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene	S-8260B		ND	ND	ND	1.40	0.18	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene dibromide	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichlorethylene	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethylene	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	S-8260B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.
GMW-2 is metals background sample, not analyzed for other compounds.

Table 3 - Soil Laboratory Results

Analyte	Method	GMW-2 3'	GMW-2 13-15'	GMW-2 58-60	GMW-2 62-64D	GMW-3 53-55'	GMW-3 63-65'	GMW-4 18-20'	GMW-4 63-65'	GMW-5 58-60'	GMW-5 63-65'	GW-6 3-5'	GMW-6 63-65'	GMW-7 48-50'	GMW-7 63-65'	GMW-8 28-30'	GMW-8 63-65'	GMW-9 8-10'	GMW-9 63-65'	GMW-9D 63-65'	GMW-10 3-5'	GMW-10 63-65'
		Sample: 106823	Sample: 103766	Sample: 103765	Sample: 103764	Sample: 104147	Sample: 104148	Sample: 104099	Sample: 104100	Sample: 104339	Sample: 104340	Sample: 104532	Sample: 104533	Sample: 104633	Sample: 104634	Sample: 104948	Sample: 104949	Sample: 106457	Sample: 106458	Sample: 106459	Sample: 106342	Sample: 106343
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzidine	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroethyl) ether	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroisopropyl) ether	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (chloromethyl) ether	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylhydrazine	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitro-o-cresol	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenols	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiethylamine	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodibutylamine	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibutyl phthalate	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-2-ethylhexyl phthalate	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzofluoranthene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.
GMW-2 is metals background sample, not analyzed for other compounds.

Table 3 - Soil Laboratory Results

Analyte	Method	GMW-2 3' Sample: 106823	GMW-2 13-15' Sample: 103766	GMW-2 58-60 Sample: 103765	GMW-2 62-64D Sample: 103764	GMW-3 53-55' Sample: 104147	GMW-3 63-65' Sample: 104148	GMW-4 18-20' Sample: 104099	GMW-4 63-65' Sample: 104100	GMW-5 58-60' Sample: 104339	GMW-5 63-65' Sample: 104340	GW-6 3-5' Sample: 104532	GMW-6 63-65' Sample: 104533	GMW-7 48-50' Sample: 104633	GMW-7 63-65' Sample: 104634	GMW-8 28-30' Sample: 104948	GMW-8 63-65' Sample: 104949	GMW-9 8-10' Sample: 106457	GMW-9 63-65' Sample: 106458	GMW-9D 63-65' Sample: 106459	GMW-10 3-5' Sample: 106342	GMW-10 63-65' Sample: 106343
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzo(k)fluoranthene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	S-8270C		ND	ND	ND	2.90	2.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	S-8270C		ND	ND	ND	2.85	2.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo-a-pyrene	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	S-8270C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aldrin	S-8080		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND
Chlordane	S-8080		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND
DDT	S-8080		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND
Dieldrin	S-8080		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND
Endosulfan	S-8080		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND
Endrin	S-8080		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND
	S-8080		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PCB's	S 8082		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Arsenic	S 6010B	2.7	ND	ND	0.79	ND	1.1	3.0	1.5	ND	ND	1.8	ND	0.68	ND	0.2	ND	ND	ND	0.59	ND	ND
Barium	S 6010B	514	65	7.4	64	20	29	100	8.2	ND	ND	320	9.7	6.5	4.3	490	13	230	15	19	618	17
Cadmium	S 6010B	0.19	0.16	0.14	0.15	0.64	0.61	0.52	0.58	ND	ND	0.32	0.23	0.14	0.23	ND	ND	0.12	ND	0.21	0.5	0.42
Chromium	S 6010B	3.0	2.3	4.4	5.4	3.7	4.4	3.7	3.7	ND	ND	5.4	5.2	4.5	4.0	3.2	3.4	6.1	2.4	4.0	3.4	3.6
Lead	S 6010B	0.91	1.0	1.8	2.1	2.7	1.7	1.9	1.7	ND	ND	ND	ND	2.2	1.2	0.59	ND	2.4	1.2	1.2	1.7	1.5
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Total Mercury	S 7471	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.
GMW-2 is metals background sample, not analyzed for other compounds.

Table 3 - Soil Laboratory Results

Analyte	Method	GMW-2 3'	GMW-2 13-15'	GMW-2 58-60	GMW-2 62-64D	GMW-3 53-55'	GMW-3 63-65'	GMW-4 18-20'	GMW-4 63-65'	GMW-5 58-60'	GMW-5 63-65'	GW-6 3-5'	GMW-6 63-65'	GMW-7 48-50'	GMW-7 63-65'	GMW-8 28-30'	GMW-8 63-65'	GMW-9 8-10'	GMW-9 63-65'	GMW-9D 63-65'	GMW-10 3-5'	GMW-10 63-65'
		Sample: 106823	Sample: 103766	Sample: 103765	Sample: 103764	Sample: 104147	Sample: 104148	Sample: 104099	Sample: 104100	Sample: 104339	Sample: 104340	Sample: 104532	Sample: 104533	Sample: 104633	Sample: 104634	Sample: 104948	Sample: 104949	Sample: 106457	Sample: 106458	Sample: 106459	Sample: 106342	Sample: 106343
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Selenium	S 6010B	ND	0.93	ND	ND	ND	0.76	0.78	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND
Silver	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Uranium	S 6010B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	S 6010B		1.8	ND	1.3	2.2	2.3	5.6	1.6	ND	ND	2.1	ND	1.3	ND	1.9	1.5	1.3	ND	1.0	1.6	2.1
Iron	S 6010B		1,800	2,600	3,600	2,400	2,600	2,300	2,600	ND	ND	3,210	1,880	1,790	1,200	2,600	3,200	4,300	2,000	2,300	2,200	2,300
Manganese	S 6010B		25	20	25	18	23	40	22	ND	ND	25	21	21	8.7	15	25	37	19	23	20	22
Zinc	S 6010B		11	11	11	7.0	9.3	7.3	5.2	ND	ND	20	8	3.7	2.8	7.2	6.3	12	4.6	5.1	6.8	6
Aluminum	S 6010B		2,400	2,200	2,700	2,000	2,100	3,800	2,200	ND	ND	4,940	1,620	1,950	1,390	3,100	2,700	7,100	1,630	1,900	4,000	2,300
Boron	S 6010B		ND	ND	ND	6.3	6.9	9.2	6.6	ND	ND	12	ND	ND	ND	ND	ND	15	ND	ND	ND	ND
Cobalt	S 6010B		5.0	2.8	3.4	2.5	2.9	5.0	2.7	ND	ND	6.2	2.3	2.8	1.5	4.3	4.1	7.1	2.5	2.7	5.9	2.7
Molybdenum	S 6010B		2.5	1.1	1.7	1.3	1.9	3.0	1.6	ND	ND	1.6	ND	ND	ND	2.4	1.6	2.1	ND	ND	1.6	1.3
Nickel	S 6010B		5.1	2.7	3.3	2.1	2.6	4.5	2.0	ND	ND	8.6	4.9	2.4	1.7	4.3	4.2	6.8	2.2	2.4	6	2
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Cyanide	Sm 4500 CN,CE		0.08	ND	0.02	ND	0.02	0.01	0.07	ND	ND	0.02	ND	0.01	0.02	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Fluoride	E 300.0		3.4	0.78	0.84	0.96	1.1	2.9	0.81	0.77	0.83	8.3	0.75	0.79	0.75	2.9	1.0	9.9	1.2	1.3	9.5	1.2
Nitrate	E 300.0		6.2	1.4	1.5	1.2	ND	2.4	1.2	1.1	ND	4.2	4.2/1.3	1.2	1.3	1.3	1.2	1.7	1.7	ND	8.6	1.8
Chloride	E 300.0		170	28	35	28	37	85	29	18	37	22	13	10	12	85	18	16	25	21	27	20
Sulfate	E 300.0		340	26	36	7.6	6.1	85	18	38	35	96	30	8.8	6.0	92	4.9	140	7.2	9.8	180	73
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
TDS	E 160.1		2500	400	570	330	310	160	240	280	260	3,900	220	200	280	530	170	880	150	252	900	470
		s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.
pH	E 150.1		8.3	8.6	8.7	9.6	9.0	8.7	8.8	10.3	8.9	8.7	8.5	8.8	8.9	8.7	9.1	8.1	8.9	8.7	7.9	8.7
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
TRPHC	S 418.1		ND	ND	10.6	3,000	3,820	ND	ND	3,170	1,950	15.6	ND	ND	ND	ND	ND	11,900	206	688	4,180	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.
GMW-2 is metals background sample, not analyzed for other compounds.

Table 3 - Soil Laboratory Results

Analyte	Method	GMW-2 3'	GMW-2 13-15'	GMW-2 58-60	GMW-2 62-64D	GMW-3 53-55'	GMW-3 63-65'	GMW-4 18-20'	GMW-4 63-65'	GMW-5 58-60'	GMW-5 63-65'	GW-6 3-5'	GMW-6 63-65'	GMW-7 48-50'	GMW-7 63-65'	GMW-8 28-30'	GMW-8 63-65'	GMW-9 8-10'	GMW-9 63-65'	GMW-9D 63-65'	GMW-10 3-5'	GMW-10 63-65'
		Sample: 106823	Sample: 103766	Sample: 103765	Sample: 103764	Sample: 104147	Sample: 104148	Sample: 104099	Sample: 104100	Sample: 104339	Sample: 104340	Sample: 104532	Sample: 104533	Sample: 104633	Sample: 104634	Sample: 104948	Sample: 104949	Sample: 106457	Sample: 106458	Sample: 106459	Sample: 106342	Sample: 106343
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Total Phenols	SM 5530 A,D		0.25	11	3.8	9.5	7.5	6.5	2.75	7.8	ND	ND	ND	3.75	4.0	3.5	1.5	2.4	3.8	1.8	5.1	23.4
		pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm
Total Activity	E 901.1M		13.32	40.61	11.48	4.80	4.34	1.67	13.32	4.33	4.33	3.59	2.38	17.62	6.55	4.13	6.14	14.47	5.84	4.92	3.08	7.04

*** NOTE: Samples extracted past holding times. Middle and closing CCVs were out of acceptance criteria, biased high. Relative Percent Difference between MS and MSD out of acceptance criteria.

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.
GMW-2 is metals background sample, not analyzed for other compounds.

Table 3 - Soil Laboratory Results

Analyte	Method	GSB-1 58-60'	GSB-1 63-65'	GSB-1B 63-65'	GSB-2 45-47'	GSB-2 55-57'	GSB-3 38-40'	GSB-3 48-50'	GSB-3D 48-50'	GSB-4 48-50'	GSB-4 57-59'	GSB-4D 57-59'	GSB-5 18-20'	GSB-5 38-40'	GSB-6 18-20'	GSB-6 38-40'	GSB-7 33-35'	GSB-7 58-60'	GSB-8 43-45'
		Sample: 105072	Sample: 105073	Sample: 105074	Sample: 105225	Sample: 105226	Sample: 107013	Sample: 107014	Sample: 107015	Sample: 107003	Sample: 107004	Sample: 107005	Sample: 106263	Sample: 106264	Sample: 106829	Sample: 106830	Sample: 106260	Sample: 106261	Sample: 107017
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
MTBE	S 8021B				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	S 8021B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	S 8021B	ND	ND	ND	0.101	0.481	5.69	ND	2.07	0.400	5.54	10.3	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	S 8021B	ND	ND	ND	0.125	0.296	1.78	1.1	2.80	3.21	1.79	2.17	ND	ND	ND	ND	0.433	ND	0.558
m,p,o-xylene	S 8021B	0.857	0.075	ND	1.25	2.62	7.20	8.0	18.4	21.3	6.13	9.56	ND	ND	0.162	ND	2.42	ND	4.04
TRPHC	S 418.1	1,770	274	1,340	870	1,020	4,030	771	1,890	2,900	5,340	5,720	ND	ND	ND	ND	692	ND	1,350
Chloride	E 300.0	ND	13	11	26	37	140	37	52	40	66	77	150	120	75	11	37	11	100

Analyte	Method	GSB-8 57-59'	GSB-8D 57-59'	GSB-9 13-15'	GSB-9 50-52'	GSB-10 3-5'	GSB-10 50-52'	GSB-11	GSB-11 2-3'	GSB-11 48-50'	CSS #1	CSS #2	CSS #3	CSS #4	CSS #5	CSS #7	CSS-8	TSB-1 43-45'	TSB-7 28-30'	TSB-10 28-31'
		Sample: 107018	Sample: 107019	Sample: 106787	Sample: 106788	Sample: 106790	Sample: 106791	Sample: 107162	Sample: 107160	Sample: 107161	Sample: 103639	Sample: 103640	Sample: 103641	Sample: 103642	Sample: 103643	Sample: 103644	Sample: 104146	Sample: 105961	Sample: 106028	Sample: 106032
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
MTBE	S 8021B	ND	ND			ND		ND	ND	ND								ND	ND	ND
Benzene	S 8021B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Toluene	S 8021B	5.69	2.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Ethylbenzene	S 8021B	1.78	4.27	0.93	0.546	2.48	0.577	0.309	0.469	0.694	ND	ND	ND	ND	ND	ND		ND	ND	ND
m,p,o-xylene	S 8021B	7.20	34.6	6.48	4.24	15.8	4.31	3.25	2.95	7.41	ND	ND	ND	ND	ND	ND		ND	ND	ND
TRPHC	S 418.1	4,030	6,380	2,050	2,310	3,960	2,920	704	1,100	1,990	460	222	39.8	24.7	19.2	55.0	ND	17.4	ND	ND
Chloride	E 300.0	140	140	32	96	150	54	22	140	7.6							51			

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TMW-1 2-3' Sample: 105742 mg/kg	TMW-1 63-65' Sample: 105743 mg/kg	TMW-1A 63-65' Sample: 105744 mg/kg	TMW-2 53-55' Sample: 105614 mg/kg	TMW-2 63-65' Sample: 105615 mg/kg	TMW-3 2-3' Sample: 108238 mg/kg	TMW-3 3-5' Sample: 108239 mg/kg	TMW-3 23-25' Sample: 108240 mg/kg	TMW-3 63-65' Sample: 108241 mg/kg	GSB-1 2-3' Sample: 105071 mg/kg	GSB-2 5-6' Sample: 105224 mg/kg	GSB-3 2-3' Sample: 107012 mg/kg	GSB-4 2-3' Sample: 107002 mg/kg	GSB-5 2-3' Sample: 106262 mg/kg	GSB-6 2-3' Sample: 106828 mg/kg	GSB-7 2-3' Sample: 106259 mg/kg	GSB-7 33-35' Sample: 106344 mg/kg	GSB-8 2-3' Sample: 107016 mg/kg	GSB-9 2-3' Sample: 106786 mg/kg	GSB-10 2-3' Sample: 106789 mg/kg	GSB-11 2-3' Sample: 107159 mg/kg
Acrolein	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	S-8260B	ND	ND	ND	ND	ND	0.074	0.073	0.120	0.057	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobenzene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloropropenes	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	S-8260B	10.90	ND	ND	ND	ND	ND	ND	3.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.10	ND
Bromodichloromethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	S-8260B	ND	0.097	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluorometane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-xylene	S-8260B	43.60	ND	ND	ND	ND	ND	ND	11.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.00	ND
o-xylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene dibromide	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichlorethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TMW-1 2-3'	TMW-1 63-65'	TMW-1A 63-65'	TMW-2 53-55'	TMW-2 63-65'	TMW-3 2-3'	TMW-3 3-5'	TMW-3 23-25'	TMW-3 63-65'	GSB-1 2-3'	GSB-2 5-6'	GSB-3 2-3'	GSB-4 2-3'	GSB-5 2-3'	GSB-6 2-3'	GSB-7 2-3'	GSB-7 33-35'	GSB-8 2-3'	GSB-9 2-3'	GSB-10 2-3'	GSB-11 2-3'
		Sample : 105742	Sample: 105743	Sample: 105744	Sample: 105614	Sample: 105615	Sample: 108238	Sample: 108239	Sample: 108240	Sample: 108241	Sample: 105071	Sample: 105224	Sample: 107012	Sample: 107002	Sample: 106262	Sample: 106828	Sample: 106259	Sample: 106344	Sample: 107016	Sample: 106786	Sample: 106789	Sample: 107159
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzidine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroethyl) ether	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroisopropyl) ether	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (chloromethyl) ether	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylhydrazine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitro-o-cresol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenols	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiethylamine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodibutylamine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibutyl phthalate	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-2-ethylhexyl phthalate	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzofluoranthene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TMW-1 2-3'	TMW-1 63-65'	TMW-1A 63-65'	TMW-2 53-55'	TMW-2 63-65'	TMW-3 2-3'	TMW-3 3-5'	TMW-3 23-25'	TMW-3 63-65'	GSB-1 2-3'	GSB-2 5-6'	GSB-3 2-3'	GSB-4 2-3'	GSB-5 2-3'	GSB-6 2-3'	GSB-7 2-3'	GSB-7 33-35'	GSB-8 2-3'	GSB-9 2-3'	GSB-10 2-3'	GSB-11 2-3'
		Sample : 105742	Sample: 105743	Sample: 105744	Sample: 105614	Sample: 105615	Sample: 108238	Sample: 108239	Sample: 108240	Sample: 108241	Sample: 105071	Sample: 105224	Sample: 107012	Sample: 107002	Sample: 106262	Sample: 106828	Sample: 106259	Sample: 106344	Sample: 107016	Sample: 106786	Sample: 106789	Sample: 107159
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(k)fluoranthene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	S-8270C	ND	ND	ND	ND	ND	ND	ND	3.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	S-8270C	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND
2-methylnaphthalene	S-8270C	ND	20	17.9	ND	ND	ND	ND	7.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND
Benzo-a-pyrene	S-8270C	ND	17.9	ND	ND	ND	ND	ND	8.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aldrin	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DDT	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PCB's	S 8082	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Arsenic	S 6010B	0.68	ND	0.88	ND	ND	3.6	2.0	0.54	ND	4.2	4.1	4.5	2.9	2.1	1.6	ND	ND	5.3	2.6	0.75	3.9
Barium	S 6010B	150	5.5	29	29	34	152	147	285	10	370	170	375	166	312	730	187	11	276	100	315	274
Cadmium	S 6010B	0.14	ND	0.13	ND	ND	ND	ND	0.14	0.14	ND	0.14	ND	0.16	0.1	0.22	0.31	0.63	ND	0.17	0.13	ND
Chromium	S 6010B	3.3	3.5	4.1	3.5	3.7	3.2	4.2	2.6	3.3	4.9	2.7	3.8	5.4	2.1	6.3	3.1	4.9	2.6	3.8	5.3	3.4
Lead	S 6010B	1.1	0.85	1.2	0.67	1.3	1.4	1.3	0.69	1.0	1.8	0.72	1.7	2.7	0.78	3.2	1.5	1.6	1.2	1.3	2.2	1.7
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Total Mercury	S 7471	ND	ND	ND	ND	ND	0.28	0.35	0.38	0.45	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TMW-1 2-3'	TMW-1 63-65'	TMW-1A 63-65'	TMW-2 53-55'	TMW-2 63-65'	TMW-3 2-3'	TMW-3 3-5'	TMW-3 23-25'	TMW-3 63-65'	GSB-1 2-3'	GSB-2 5-6'	GSB-3 2-3'	GSB-4 2-3'	GSB-5 2-3'	GSB-6 2-3'	GSB-7 2-3'	GSB-7 33-35'	GSB-8 2-3'	GSB-9 2-3'	GSB-10 2-3'	GSB-11 2-3'
		Sample : 105742	Sample: 105743	Sample: 105744	Sample: 105614	Sample: 105615	Sample: 108238	Sample: 108239	Sample: 108240	Sample: 108241	Sample: 105071	Sample: 105224	Sample: 107012	Sample: 107002	Sample: 106262	Sample: 106828	Sample: 106259	Sample: 106344	Sample: 107016	Sample: 106786	Sample: 106789	Sample: 107159
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Selenium	S 6010B	0.52	1.3	ND	2.3	ND	ND	0.66	ND	ND	0.85	ND	0.86	ND	ND	1.6	ND	ND	ND	ND	ND	ND
Silver	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.94	ND	ND	ND	ND	ND	ND
Uranium	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	S 6010B	2.6	ND	1.1	ND	ND	3.5	1.3	2.0	1.1	1.9	2.9	3.1	2.5	2.1	2.6	2.1	2.1	2.6	2.3	2.7	3.9
Iron	S 6010B	1,970	1,740	2,530	2,000	2,300	2,500	3,300	1,500	2,400	4,200	1,900	2,900	4,300	1,500	3,210	2,200	3,500	1,800	3,000	4,100	2,600
Manganese	S 6010B	34	14	46	17	21	25	24	13	20	36	28	39	51	11	44	28	25	30	33	57	24
Zinc	S 6010B	11	4	5	6	5	8	8	4	7	9	13	6.2	11	5	12	44	8.5	5	6	10	6
Aluminum	S 6010B	3,800	1,790	2,240	1,900	2,300	3,800	5,100	1,800	2,000	6,600	3,500	4,400	5,900	2,800	4,940	3,800	2,900	3,000	4,300	5,400	3,900
Boron	S 6010B	ND	ND	ND	ND	ND	ND	12	ND	ND	13	11	15	15	10	16	ND	ND	10	ND	ND	10
Cobalt	S 6010B	4	ND	1	1	2	5	6	4	3	8	6	3.1	7.6	5	9	6	2.9	6	5	5	6
Molybdenum	S 6010B	1.7	ND	ND	ND	ND	ND	1.1	ND	ND	2.8	2.6	2.2	2.6	1.1	2.6	1.3	1.3	2.5	1.7	1.2	1.8
Nickel	S 6010B	4.4	ND	0.79	1.5	1.5	6.4	7.0	3.9	2.4	8.6	6.1	6.9	7.9	5.7	11	5.3	2.6	7.1	5	4.9	5.4
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Cyanide	4500 CN	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.062	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Fluoride	E 300.0	2.1	0.84	1.0	0.98	0.99	3.4	7.4	2.4	1.5	13	6.1	5.9	6	1.8	6.5	1.2	1.3	4.8	5.4	8.5	7.2
Nitrate	E 300.0	1.5	2	1.9	1.8	1.8	ND	ND	ND	ND	2.1	1.8	ND	9.8	2.2	1.7	2.8	1.6	5.1	ND	1.8	ND
Chloride	E 300.0	94	82	240	18	27	81	41	42	31	8.9	41	87	1,200	8.4	8.9	16	11	290	19	100	160
Sulfate	E 300.0	34	9.1	13	12	12	180	63	17	9.0	29	240	600	350	60	18	450	120	230	110	920	56
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
TDS	E 160.1	2,700	170	510	140	130	460	470	200	170	300	880	1,100	2,700	290	510	1,200	480	870	400	1,600	380
		s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.
pH	E 150.1	10	8.7	8.7	9	8.4	8.2	8.4	8.6	9.2	8.5	8.6	8.3	8.0	8.5	8.7	8.0	9.0	8.5	8.4	8	8.2
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
TRPHC	S 418.1	28,500	0.11	63	21.5	50	1,460	2,986	3,574	ND	ND	ND	3,130	13.5	ND	18.7	217	ND	28	24.1	1,960	12

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TMW-1 2-3'	TMW-1 63-65'	TMW-1A 63-65'	TMW-2 53-55'	TMW-2 63-65'	TMW-3 2-3'	TMW-3 3-5'	TMW-3 23-25'	TMW-3 63-65'	GSB-1 2-3'	GSB-2 5-6'	GSB-3 2-3'	GSB-4 2-3'	GSB-5 2-3'	GSB-6 2-3'	GSB-7 2-3'	GSB-7 33-35'	GSB-8 2-3'	GSB-9 2-3'	GSB-10 2-3'	GSB-11 2-3'
		Sample : 105742	Sample: 105743	Sample: 105744	Sample: 105614	Sample: 105615	Sample: 108238	Sample: 108239	Sample: 108240	Sample: 108241	Sample: 105071	Sample: 105224	Sample: 107012	Sample: 107002	Sample: 106262	Sample: 106828	Sample: 106259	Sample: 106344	Sample: 107016	Sample: 106786	Sample: 106789	Sample: 107159
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Total Phenols	M 5530 A	0.04	18.1	ND	2.25	ND	ND	ND	ND	ND	ND	ND	4.0	1.8	21.2	0.64	2.9	6.9	1.9	1.2	1.8	2.8
		pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm
Total Activity	E 901.1M		11.3	11.3	7.59	0.74	7.54	14.14	1.91	10.60	4.8	1.67	21.20	7.48	0.96	19.43	5.3	11.55	3.80	11.01	2.98	2.85

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TSB-1 2-3' Sample: 105955	TSB-1 3-5' Sample: 105956	TSB-1 8-10' Sample: 105957	TSB-2 2-3' Sample: 105958	TSB-2 3-5' Sample: 105959	TSB-2 18-20' Sample: 105960	TSB-3 2-3' Sample: 106196	TSB-3 3-5' Sample: 106197	TSB-3 18-20' Sample: 106198	TSB-4 2-3' Sample: 106091	TSB-4 3-5' Sample: 106092	TSB-4 18-20' Sample: 106093	TSB-5 2-3' Sample: 106094	TSB-5 3-5' 2 3-5' Sample: 106095	TSB-5 18-20' Sample: 106096	TSB-6 2-3' Sample: 106034	TSB-6 3-5' Sample: 106035	TSB-6 18-20' Sample: 106033	TSB-7 2-3' Sample: 106036	TSB-7 3-5' Sample: 106037	TSB-7 8-10' Sample: 106038	TSB-8 3-5' Sample: 107006
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Acrolein	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.71	ND	ND	ND
Carbon tetrachloride	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobenzene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloropropenes	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	S-8260B	ND	11.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7	9.9	0.6	12.0
Bromodichloromethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluorometane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.27	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND
Trichloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-xylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.063	ND	ND	ND	ND	ND	ND	ND	0.72	15.0	41.0	2.1	36.0
o-xylene	S-8260B	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.66	ND	ND	ND
1,1-dichloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene dibromide	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichlorethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TSB-1 2-3' Sample: 105955	TSB-1 3-5' Sample: 105956	TSB-1 8-10' Sample: 105957	TSB-2 2-3' Sample: 105958	TSB-2 3-5' Sample: 105959	TSB-2 18-20' Sample: 105960	TSB-3 2-3' Sample: 106196	TSB-3 3-5' Sample: 106197	TSB-3 18-20' Sample: 106198	TSB-4 2-3' Sample: 106091	TSB-4 3-5' Sample: 106092	TSB-4 18-20' Sample: 106093	TSB-5 2-3' Sample: 106094	TSB-5 3-5' 2 3-5' Sample: 106095	TSB-5 18-20' Sample: 106096	TSB-6 2-3' Sample: 106034	TSB-6 3-5' Sample: 106035	TSB-6 18-20' Sample: 106033	TSB-7 2-3' Sample: 106036	TSB-7 3-5' Sample: 106037	TSB-7 8-10' Sample: 106038	TSB-8 3-5' Sample: 107006
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzidine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroethyl) ether	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroisopropyl) ether	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (chloromethyl) ether	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylhydrazine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitro-o-cresol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenols	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiethylamine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodibutylamine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibutyl phthalate	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-2-ethylhexyl phthalate	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzofluoranthene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TSB-1 2-3' Sample: 105955	TSB-1 3-5' Sample: 105956	TSB-1 8-10' Sample: 105957	TSB-2 2-3' Sample: 105958	TSB-2 3-5' Sample: 105959	TSB-2 18-20' Sample: 105960	TSB-3 2-3' Sample: 106196	TSB-3 3-5' Sample: 106197	TSB-3 18-20' Sample: 106198	TSB-4 2-3' Sample: 106091	TSB-4 3-5' Sample: 106092	TSB-4 18-20' Sample: 106093	TSB-5 2-3' Sample: 106094	TSB-5 3-5' 2 3-5' Sample: 106095	TSB-5 18-20' Sample: 106096	TSB-6 2-3' Sample: 106034	TSB-6 3-5' Sample: 106035	TSB-6 18-20' Sample: 106033	TSB-7 2-3' Sample: 106036	TSB-7 3-5' Sample: 106037	TSB-7 8-10' Sample: 106038	TSB-8 3-5' Sample: 107006
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(k)fluoranthene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	S-8270C	ND	20.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
2-methylnaphthalene	S-8270C	ND	17.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9
Benzo-a-pyrene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aldrin	S-8080	ND	ND	ND	ND	ND	ND	ND**	ND**	ND**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	S-8080	ND	ND	ND	ND	ND	ND	ND**	ND**	ND**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DDT	S-8080	ND	ND	ND	ND	ND	ND	ND**	ND**	ND**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	S-8080	ND	ND	ND	ND	ND	ND	ND**	ND**	ND**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan	S-8080	ND	ND	ND	ND	ND	ND	ND**	ND**	ND**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	S-8080	ND	ND	ND	ND	ND	ND	ND**	ND**	ND**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	S-8080	ND	ND	ND	ND	ND	ND	ND**	ND**	ND**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PCB's	S 8082	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Arsenic	S 6010B	ND	2.2	2.9	ND	ND	2.5	ND	ND	1.4	3.5	5.1	5.3	7.3	3.6	3.3	ND	ND	1.9	2.2	2	2	1.4
Barium	S 6010B	90	105	439	82	93	80	109	315	286	470	640	340	184	165	45	970	242	58	194	600	277	127
Cadmium	S 6010B	0.32	0.23	0.15	0.35	0.33	0.26	0.23	0.14	0.15	0.13	0.25	0.23	0.3	0.22	0.18	0.52	0.36	0.39	0.3	0.35	0.32	0.19
Chromium	S 6010B	8.6	6.0	2.7	9.2	9.2	6.1	1.9	4	2.7	6.7	9.8	2.6	4.8	5.3	2.2	244	4.4	2.2	3.7	2.8	5.9	5.8
Lead	S 6010B	5.5	3.9	1.2	5.6	7.9	18	1.3	1.6	ND	2.8	5.5	2.3	3.5	2.8	1.1	92	7.3	1.8	1.7	1.8	2.4	4.1
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Total Mercury	S 7471	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TSB-1 2-3' Sample: 105955	TSB-1 3-5' Sample: 105956	TSB-1 8-10' Sample: 105957	TSB-2 2-3' Sample: 105958	TSB-2 3-5' Sample: 105959	TSB-2 18-20' Sample: 105960	TSB-3 2-3' Sample: 106196	TSB-3 3-5' Sample: 106197	TSB-3 18-20' Sample: 106198	TSB-4 2-3' Sample: 106091	TSB-4 3-5' Sample: 106092	TSB-4 18-20' Sample: 106093	TSB-5 2-3' Sample: 106094	TSB-5 3-5' 2 3-5' Sample: 106095	TSB-5 18-20' Sample: 106096	TSB-6 2-3' Sample: 106034	TSB-6 3-5' Sample: 106035	TSB-6 18-20' Sample: 106033	TSB-7 2-3' Sample: 106036	TSB-7 3-5' Sample: 106037	TSB-7 8-10' Sample: 106038	TSB-8 3-5' Sample: 107006
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Selenium	S 6010B	0.57	ND	ND	ND	ND	ND	ND	ND	ND	1.3	1.4	1.4	3.4	ND	0.6	ND	ND	1.1	ND	ND	ND	1.4
Silver	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.87
Uranium	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	S 6010B	5.4	3.3	4.2	5.4	5.3	3.5	2.1	3.9	2.7	2.9	3.5	3.5	2.9	2.5	5.3	5.9	1.8	3	1.7	3.4	2.5	4.1
Iron	S 6010B	7,000	4,800	1,860	8,200	8,200	4,900	1300	2600	1900	5100	1700	1700	3500	3600	1200	12000	3100	1000	2600	1600	3900	5300
Manganese	S 6010B	77	64	29	126	143	65	9.6	25	21	45	26	26	37	37	21	79	27	15	24	16	28	69
Zinc	S 6010B	34	14	5.0	21	23	13	3.9	6.6	5.1	17	5	5	9	9.2	4.1	350	9.7	3.5	6.4	4.5	8.3	13
Aluminum	S 6010B	10,000	6,900	3,600	10,000	10,000	7,500	2200	5200	3300	8700	3000	3000	5700	6000	2000	4300	4900	1500	4200	3200	6600	6200
Boron	S 6010B	17	12	10	17	17	14	ND	12	ND	16	ND	ND	10	11	ND	26	11	ND	15	13	17	23
Cobalt	S 6010B	7.8	7.1	5.2	8.3	8.0	6.5	3.5	5.2	4	8.1	4.6	4.6	5	6.4	4.1	11	6.1	4.2	6.2	5.6	6.3	7.9
Molybdenum	S 6010B	2.9	2.0	1.6	2.5	2.4	2	ND	3.7	1.5	2.2	1.5	1.5	1.7	1.8	1.7	2.9	1.8	1.5	1.6	2.1	2.3	2.1
Nickel	S 6010B	8.6	7.9	ND	8.3	8.4	6.8	4.3	8.2	3.4	8.3	26	26	5.8	6.2	4.1	ND	ND	ND	6.5	ND	ND	8
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Cyanide	Sm 4500 CN,CE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Fluoride	E 300.0	1.6	3.5	7.3	4.6	4.9	4.4	1.4	2.8	4.1	8.4	11	5	2.8	3.5	3.8	5	5.7	3.1	1.1	8.5	4.2	6.6
Nitrate	E 300.0	2.1	3.6	1.8	2.3	2.3	3.1	7.6	6.9	2.1	2.5	ND	2.1	1.7	1.7	1.7	1.8	1.9	2.2	2.3	ND	ND	3.8
Chloride	E 300.0	30	29	26	26	23	27	200	170	180	120	26	38	360	290	110	34	37	51	320	760	990	560
Sulfate	E 300.0	70	14	7.0	29	42	57	150	98	110	140	140	180	330	370	290	82	95	170	140	74	18	71
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
TDS	E 160.1	6,900	280	830	1,400	1,500	300	630	400	540	620	570	500	1400	1100	710	420	510	350	1000	2100	1800	10000
		s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.
pH	E 150.1	8.1	8.4	8.6	8.2	8.2	8.6	7.7	8.3	8.7	8.2	8.3	8.5	8.1	8.2	8.5	8.4	8.4	8.5	9.3	9.1	8.9	9.4
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
TRPHC	S 418.1	10,200	37,100	7,790	12	ND	ND	ND	11.7	ND	52.3	ND	ND	ND	ND	102	86.8	4490	ND	20000	22900	139	67000

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TSB-1 2-3' Sample: 105955	TSB-1 3-5' Sample: 105956	TSB-1 8-10' Sample: 105957	TSB-2 2-3' Sample: 105958	TSB-2 3-5' Sample: 105959	TSB-2 18-20' Sample: 105960	TSB-3 2-3' Sample: 106196	TSB-3 3-5' Sample: 106197	TSB-3 18-20' Sample: 106198	TSB-4 2-3' Sample: 106091	TSB-4 3-5' Sample: 106092	TSB-4 18-20' Sample: 106093	TSB-5 2-3' Sample: 106094	TSB-5 3-5' 2 3-5' Sample: 106095	TSB-5 18-20' Sample: 106096	TSB-6 2-3' Sample: 106034	TSB-6 3-5' Sample: 106035	TSB-6 18-20' Sample: 106033	TSB-7 2-3' Sample: 106036	TSB-7 3-5' Sample: 106037	TSB-7 8-10' Sample: 106038	TSB-8 3-5' Sample: 107006
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Total Phenols	SM 5530 A,D	6.25	4.25	5.5	4.25	1.75	3.0	ND	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	4.8	4.3	3.8	7.7
		pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm
Total Activity	E 901.1M	8.4	3.29	2.95	12.03	30.66	5.81	1.31	2.81	9.63	4.39	11.53	3.95	2.32	5.24	6.17	3.01	3.09	1	11.06	1.01	3.76	8.48

** NOTE: Samples extracted past holding times. Middle and closing CCVs were out of acceptance criteria, biased high. Relative Percent Difference between MS and MSD out of acceptance criteria.

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TSB-8D 3-5'	TSB-8 8-10'	TSB-8 40-42'	TSB-9 2-3'	TSB-9 3-5'	TSB-9 18-20'	TSB-10 2-3'	TSB-10 3-5'	TSB-10 8-10'	TSB-11 2-3'	TSB-11 3-5'	TSB-11 18-20'	TSB-11 29-31'	TSB-12 2-3'	TSB-12 3-5'	TSB-12 18-20'	TSB-12 48-50'	TSB-13 2-3'	TSB-13 3-5'	TSB-13 8-10'	TSB-13 23-25'
		Sample: 107007	Sample: 107008	Sample: 107009	Sample: 106097	Sample: 106098	Sample: 106099	Sample: 106029	Sample: 106030	Sample: 106031	Sample: 106100	Sample: 106101	Sample: 106102	Sample: 106103	Sample: 106199	Sample: 106200	Sample: 106201	Sample: 106202	Sample: 106824	Sample: 106825	Sample: 106826	Sample: 106827
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acrolein	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobenzene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloropropenes	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	S-8260B	12.0	2.5	ND	ND	ND	ND	1.35	11.0	5.6	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	S-8260B	ND	ND	6.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	S-8260B	ND	ND	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluorometane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-xylene	S-8260B	40.0	9.8	ND	ND	ND	ND	1.71	20.0	18.0	ND	ND	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	0.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene dibromide	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichlorethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TSB-8D 3-5'	TSB-8 8-10'	TSB-8 40-42'	TSB-9 2-3'	TSB-9 3-5'	TSB-9 18-20'	TSB-10 2-3'	TSB-10 3-5'	TSB-10 8-10'	TSB-11 2-3'	TSB-11 3-5'	TSB-11 18-20'	TSB-11 29-31'	TSB-12 2-3'	TSB-12 3-5'	TSB-12 18-20'	TSB-12 48-50'	TSB-13 2-3'	TSB-13 3-5'	TSB-13 8-10'	TSB-13 23-25'
		Sample: 107007	Sample: 107008	Sample: 107009	Sample: 106097	Sample: 106098	Sample: 106099	Sample: 106029	Sample: 106030	Sample: 106031	Sample: 106100	Sample: 106101	Sample: 106102	Sample: 106103	Sample: 106199	Sample: 106200	Sample: 106201	Sample: 106202	Sample: 106824	Sample: 106825	Sample: 106826	Sample: 106827
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzidine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroethyl) ether	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroisopropyl) ether	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (chloromethyl) ether	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylhydrazine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitro-o-cresol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenols	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
***n*-nitrosodiethylamine**	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodibutylamine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibutyl phthalate	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-2-ethylhexyl phthalate	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.97	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzofluoranthene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TSB-8D 3-5'	TSB-8 8-10'	TSB-8 40-42'	TSB-9 2-3'	TSB-9 3-5'	TSB-9 18-20'	TSB-10 2-3'	TSB-10 3-5'	TSB-10 8-10'	TSB-11 2-3'	TSB-11 3-5'	TSB-11 18-20'	TSB-11 29-31'	TSB-12 2-3'	TSB-12 3-5'	TSB-12 18-20'	TSB-12 48-50'	TSB-13 2-3'	TSB-13 3-5'	TSB-13 8-10'	TSB-13 23-25'
		Sample: 107007	Sample: 107008	Sample: 107009	Sample: 106097	Sample: 106098	Sample: 106099	Sample: 106029	Sample: 106030	Sample: 106031	Sample: 106100	Sample: 106101	Sample: 106102	Sample: 106103	Sample: 106199	Sample: 106200	Sample: 106201	Sample: 106202	Sample: 106824	Sample: 106825	Sample: 106826	Sample: 106827
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(k)fluoranthene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.64	ND	ND	ND	0.832	ND	ND	ND	ND	ND
Phenanthrene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.41	ND	ND	ND	ND	ND
Pyrene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	S-8270C	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.9	ND	ND	ND	4.99	ND	ND	ND	6.31	ND
2-methylnaphthalene	S-8270C	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.02	ND	ND	ND	3.75	ND	ND	ND	5.45	ND
Benzo-a-pyrene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aldrin	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND***	ND***	ND***	ND	ND	ND	ND
Chlordane	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND***	ND***	ND***	ND	ND	ND	ND
DDT	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND***	ND***	ND***	ND	ND	ND	ND
Dieldrin	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND***	ND***	ND***	ND	ND	ND	ND
Endosulfan	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND***	ND***	ND***	ND	ND	ND	ND
Endrin	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND***	ND***	ND***	ND	ND	ND	ND
Heptachlor	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND***	ND***	ND***	ND***	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PCB's	S 8082	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Arsenic	S 6010B	2.3	ND	1.6	1.6	1.4	3.8	1.5	ND	ND	1.1	ND	2	1.4	ND	ND	2.6	ND	ND	ND	0.52	3
Barium	S 6010B	160	99	730	230	161	146	125	127	146	256	350	87	30	277	328	105	10	173	537	149	31
Cadmium	S 6010B	ND	ND	0.22	0.15	0.12	0.19	0.53	0.37	0.46	0.14	0.17	0.16	0.21	0.16	0.25	0.17	0.12	ND	0.12	0.15	0.11
Chromium	S 6010B	4.7	7.3	6.3	4.2	2.8	2.8	8	4.8	6.9	3.8	4.5	2.2	3.5	ND	4	2.4	3.8	4.1	5.6	4.2	4
Lead	S 6010B	2.7	3.4	3.2	2.1	1.8	1.8	10	1.8	3	2	1	1.2	1.7	0.92	1.1	0.71	2.2	1.3	2.4	0.97	2.4
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Total Mercury	S 7471	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TSB-8D 3-5'	TSB-8 8-10'	TSB-8 40-42'	TSB-9 2-3'	TSB-9 3-5'	TSB-9 18-20'	TSB-10 2-3'	TSB-10 3-5'	TSB-10 8-10'	TSB-11 2-3'	TSB-11 3-5'	TSB-11 18-20'	TSB-11 29-31'	TSB-12 2-3'	TSB-12 3-5'	TSB-12 18-20'	TSB-12 48-50'	TSB-13 2-3'	TSB-13 3-5'	TSB-13 8-10'	TSB-13 23-25'
		Sample: 107007	Sample: 107008	Sample: 107009	Sample: 106097	Sample: 106098	Sample: 106099	Sample: 106029	Sample: 106030	Sample: 106031	Sample: 106100	Sample: 106101	Sample: 106102	Sample: 106103	Sample: 106199	Sample: 106200	Sample: 106201	Sample: 106202	Sample: 106824	Sample: 106825	Sample: 106826	Sample: 106827
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Selenium	S 6010B	1.4	ND	1.6	ND	ND	ND	ND	ND	ND	0.89	ND	ND	2.9	ND	ND	ND	ND	ND	ND	ND	ND
Silver	S 6010B	ND	ND	0.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Uranium	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	S 6010B	3.1	2.1	2.6	4.4	2.1	4.3	8.4	1.8	1.9	3.6	3.4	3.6	1.8	2.5	2.6	4.3	1.7	1.1	1.3	2.7	8.4
Iron	S 6010B	4,000	6,000	2,500	2,800	1,800	1,800	7,300	3,400	5,100	2,900	3,300	1,500	2,400	2,000	2,800	1,700	2,200	3,200	4,700	3,200	2,500
Manganese	S 6010B	59	58	44	35	15	23	139	31	37	36	23	14	2	21	93	25	24	27	48	28	27
Zinc	S 6010B	11	14	12	10	7	8	68	8	15	10	8	4	5	6	13	5	5	7	11	8	8
Aluminum	S 6010B	4,900	7,700	2,100	4,900	3,600	3,300	7,700	5,700	8,800	5,200	6,600	2,400	2,400	3,900	4,900	3,000	2,100	4,800	6,900	4,800	4,100
Boron	S 6010B	16	21	16	12	ND	ND	19	13	19	ND	13	ND	ND	ND	10	ND	ND	12	12	12	15
Cobalt	S 6010B	7	8.2	8.7	6.4	4.6	4	7.7	6.1	7.8	6.4	6.5	2.7	2.1	5.5	6.2	4.8	2.9	6.1	7.7	5.9	5.4
Molybdenum	S 6010B	1.8	2.2	2.6	1.8	1.5	1.6	2.8	2.2	2.9	1.5	2.3	1	ND	1.2	1.6	1.3	ND	1.5	1.5	1.8	1.8
Nickel	S 6010B	7.2	8.8	11	6	4.8	4.1	16	ND	ND	7	8.3	2.8	2.3	5.8	836	4.5	2	6.3	7	6.1	6
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Cyanide	Sm 4500 CN,CE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Fluoride	E 300.0	8.1	17	1.5	1	11	3.8	1.4	11	16	2	6.5	1.3	2.4	4.7	9	4.5	1.1	13	15	9	4
Nitrate	E 300.0	6	1.7	1.7	3.8	1.8	ND	1.9	3.8	3.8	2	ND	ND	1.8	10	1.7	1.7	ND	ND	ND	1.7	2.3
Chloride	E 300.0	660	1,900	550	22	18	260	70	52	66	35	45	180	120	33	27	160	56	21	14	14	320
Sulfate	E 300.0	180	19	62	18	170	270	420	42	12	300	180	12	20	460	360	71	14	150	150	56	500
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
TDS	E 160.1	9,600	3,200	1,000	400	440	850	2,100	3,000	2,500	716	770	450	150	890	930	770	270	550	550	440	1500
		s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.
pH	E 150.1	7.8	8.6	8.4	8.4	8.5	8.4	8.8	9.4	9	8.1	8.3	8.8	9.3	8.1	8.1	9	8.8	8.2	8.2	8.6	8.7
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
TRPHC	S 418.1	21300	15.6	15.6	97.2	ND	117	18500	16000	5580	1210	1940	22,700	127	1160	7800	14700	20.3	10800	15900	6250	ND

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 3 - Soil Laboratory Results

Analyte	Method	TSB-8D 3-5'	TSB-8 8-10'	TSB-8 40-42'	TSB-9 2-3'	TSB-9 3-5'	TSB-9 18-20'	TSB-10 2-3'	TSB-10 3-5'	TSB-10 8-10'	TSB-11 2-3'	TSB-11 3-5'	TSB-11 18-20'	TSB-11 29-31'	TSB-12 2-3'	TSB-12 3-5'	TSB-12 18-20'	TSB-12 48-50'	TSB-13 2-3'	TSB-13 3-5'	TSB-13 8-10'	TSB-13 23-25'
		Sample: 107007	Sample: 107008	Sample: 107009	Sample: 106097	Sample: 106098	Sample: 106099	Sample: 106029	Sample: 106030	Sample: 106031	Sample: 106100	Sample: 106101	Sample: 106102	Sample: 106103	Sample: 106199	Sample: 106200	Sample: 106201	Sample: 106202	Sample: 106824	Sample: 106825	Sample: 106826	Sample: 106827
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Total Phenols	SM 5530 A,D	6.2	2.8	0.64	ND	ND	ND	3.5	22.8	4.3	ND	ND	1.31	ND	ND	1.5	1.15	6.08	2.8	2.5	1.5	4.2
		pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm
Total Activity	E 901.1M	6.23	6.23	19.93	0.66	1.19	7.38	3.28	4.75	9.37	6.56	6.85	2.71	6.9	0.35	0.5	2.51	3.16	1.09	5.08	8.19	1.11

*** NOTE: Samples extracted past holding times. Middle and closing CCV's were out of acceptance criteria, biased high.
Relative percent difference between MS & MSD out of acceptance criteria.

ND = Not Detected. See Laboratory Analysis in Appendix V for detection limits.

Table 4 - Groundwater Laboratory Results

Analyte	Method	TMW-1 Sample: 109052	TMW-2 Sample: 109054	TMW-3 Sample: 109056	GMW-1 Sample: 109439	GMW-2 Sample : 109059	GMW-3 Sample: 109440	GMW-4 Sample: 109061	GMW-5 Sample: 109441	GMW-6 Sample: 109063	GMW-7 Sample: 109065	GMW-8 Sample: 109067	GMW-9 Sample: 109069	GMW-9D Sample: 109073	GMW-10 Sample: 109071
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Acrolein	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	S 8260B	0.002	0.002	ND	ND	ND	ND	0.002	ND	ND	0.0012	0.0021	0.0018	ND	0.0016
Carbon tetrachloride	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethylene	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobenzene	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethylene	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloropropenes	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	S 8260B	ND	ND	0.001	0.200	ND	ND	ND	0.19	0.002	ND	ND	0.018	0.018	ND
Bromodichloromethane	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluorometane	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	S 8260B	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-xylene	S 8260B	0.001	ND	0.005	0.720	0.002	0.580	ND	1.220	0.007	ND	ND	0.080	0.082	ND
o-xylene	S 8260B	ND	ND	0.002	0.170	ND	0.120	ND	0.275	0.002	ND	ND	0.027	0.027	ND
1,1-dichloroethane	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene dibromide	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichlorethylene	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethylene	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	S 8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected See Laboratory Analysis in Appendix V for detection limits
GMW-1, GMW-3, GMW-5 contained free product.

Table 4 - Groundwater Laboratory Results

Analyte	Method	TMW-1 Sample: 109052	TMW-2 Sample: 109054	TMW-3 Sample: 109056	GMW-1 Sample: 109439	GMW-2 Sample : 109059	GMW-3 Sample: 109440	GMW-4 Sample: 109061	GMW-5 Sample: 109441	GMW-6 Sample: 109063	GMW-7 Sample: 109065	GMW-8 Sample: 109067	GMW-9 Sample: 109069	GMW-9D Sample: 109073	GMW-10 Sample: 109071
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Benzidine	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroethyl) ether	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroisopropyl) ether	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (chloromethyl) ether	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylhydrazine	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitro-o-cresol	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenols	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiethylamine	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodibutylamine	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibutyl phthalate	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis-2-ethylhexyl phthalate	S 8270C	ND	ND	ND	0.035	ND	0.020	0.008	0.054	ND	ND	ND	ND	ND	ND
Diethyl phthalate	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzofluoranthene	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected See Laboratory Analysis in Appendix V for detection limits
GMW-1, GMW-3, GMW-5 contained free product.

Table 4 - Groundwater Laboratory Results

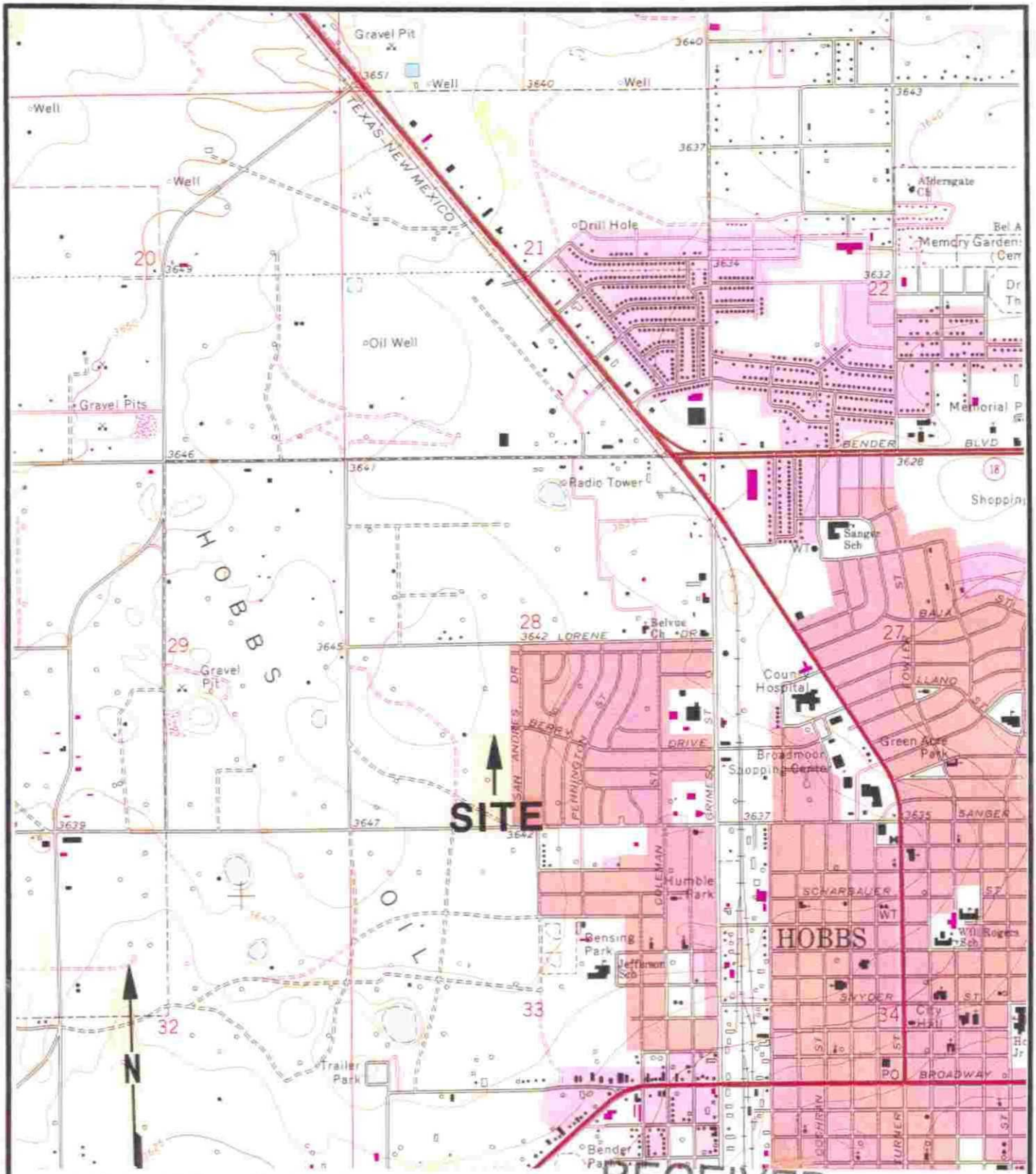
Analyte	Method	TMW-1 Sample: 109052	TMW-2 Sample: 109054	TMW-3 Sample: 109056	GMW-1 Sample: 109439	GMW-2 Sample : 109059	GMW-3 Sample: 109440	GMW-4 Sample: 109061	GMW-5 Sample: 109441	GMW-6 Sample: 109063	GMW-7 Sample: 109065	GMW-8 Sample: 109067	GMW-9 Sample: 109069	GMW-9D Sample: 109073	GMW-10 Sample: 109071
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Fluorene	S 8270C	ND	ND	ND	0.0012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	S 8270C	ND	ND	ND	0.002	ND	ND	ND	0.024	ND	ND	ND	ND	ND	ND
Pyrene	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	S 8270C	ND	ND	ND	0.005	ND	0.023	ND	0.01	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	S 8270C	ND	ND	ND	0.0097	ND	0.034	ND	0.15	ND	ND	ND	ND	0.003	ND
2-methylnaphthalene	S 8270C	ND	ND	ND	0.01	ND	0.024	ND	0.16	ND	ND	ND	ND	ND	ND
Benzo-a-pyrene	S 8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	S 8270C	ND	ND	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Aldrin	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DDT	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	S-8080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
PCB's	S-8082	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Arsenic	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	S 6010B	0.19	0.26	0.21	0.26	0.25	0.61	0.31	0.25	0.41	0.14	0.28	0.42	0.43	0.19
Cadmium	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	S 6010B	ND	ND	ND	ND	0.07	ND	ND	ND	0.10	ND	ND	ND	ND	ND
Lead	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Mercury	S 6010B	0.0017	0.0006	0.0004	ND	ND	ND	ND	ND	0.0002	ND	ND	ND	ND	ND
Selenium	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Uranium	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	S 6010B	5	5.9	9.0	2.2	23	14	14	4.6	34	7.4	4.4	5.6	3.2	6.6

ND = Not Detected See Laboratory Analysis in Appendix V for detection limits
GMW-1, GMW-3, GMW-5 contained free product.

Table 4 - Groundwater Laboratory Results

Analyte	Method	TMW-1 Sample: 109052	TMW-2 Sample: 109054	TMW-3 Sample: 109056	GMW-1 Sample: 109439	GMW-2 Sample : 109059	GMW-3 Sample: 109440	GMW-4 Sample: 109061	GMW-5 Sample: 109441	GMW-6 Sample: 109063	GMW-7 Sample: 109065	GMW-8 Sample: 109067	GMW-9 Sample: 109069	GMW-9D Sample: 109073	GMW-10 Sample: 109071
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Manganese	S 6010B	0.14	0.10	0.16	0.38	0.28	0.25	0.17	0.19	0.42	ND	0.18	0.16	0.14	ND
Zinc	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	0.16	ND	ND	ND	ND	ND
Aluminum	S 6010B	7	10	15	3.1	39	22	24	5.6	51	11	6.6	10	5	12
Boron	S 6010B	0.37	0.44	0.33	0.22	0.21	0.42	0.16	0.37	0.23	0.19	0.41	0.24	0.23	0.26
Cobalt	S 6010B	ND	ND	ND	ND	ND	ND	ND	0.07	0.05	ND	ND	ND	ND	ND
Molybdenum	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	SM 4500 C,	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoride	E 300.0	1.7	1.5	2.1	2	1.8	2.3	1.8	2.0	1.7	1.9	2.0	2.1	2.3	1.7
Nitrate	M 4500 NO3	0.16	0.41	1.03	ND	2.17	3.4	2.30	3.6	4.81	1.97	0.59	2.39	1.50	1.66
Chloride	E 300.0	250	230	150	110	51	160	42	150	46	41	170	57	64	180
Sulfate	E 300.0	58	51	110	100	87	160	72	160	79	74	68	85	87	80
TDS	E 160.1	830	880	930	550	450	840	470	790	500	430	750	540	580	640
		s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.
pH	E 150.1	7.0	7.0	6.9	7.5	7.4	7.3	7.4	7.1	7.4	7.4	7.2	7.0	7.1	7.2
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TRPHC	E 418.1	ND	ND	ND	16.9	ND	27	0.533	218	ND	ND	ND	7.28	4.76	ND
Total Phenols	S 5530 A,D	ND	0.1	0.5	ND	0.1	0.0	0.7	ND	0.1	ND	ND	ND	ND	ND
		pci/L	pci/L	pci/L	pci/L	pci/L	pci/L	pci/L	pci/L	pci/L	pci/L	pci/L	pci/L	pci/L	pci/L
Total Activity	E 901.1M	17.07	3.93	6.23	5.27	3.42	2.13	2.74	4.51	2.5	2.27	2.62	3.43	3.73	4.22

ND = Not Detected See Laboratory Analysis in Appendix V for detection limits
GMW-1, GMW-3, GMW-5 contained free product.



HOBBS WEST QUADRANGLE
NEW MEXICO - LEA Co
7.5 Minute Series (Topographic)
1969
Photo Revised 1979

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OIL CONSERVATION DIVISION

PSC PHILIP SERVICES CORP

TITLE:
SHELL EXPLORATION & TECHNOLOGY COMPANY

SITE LOCATION MAP

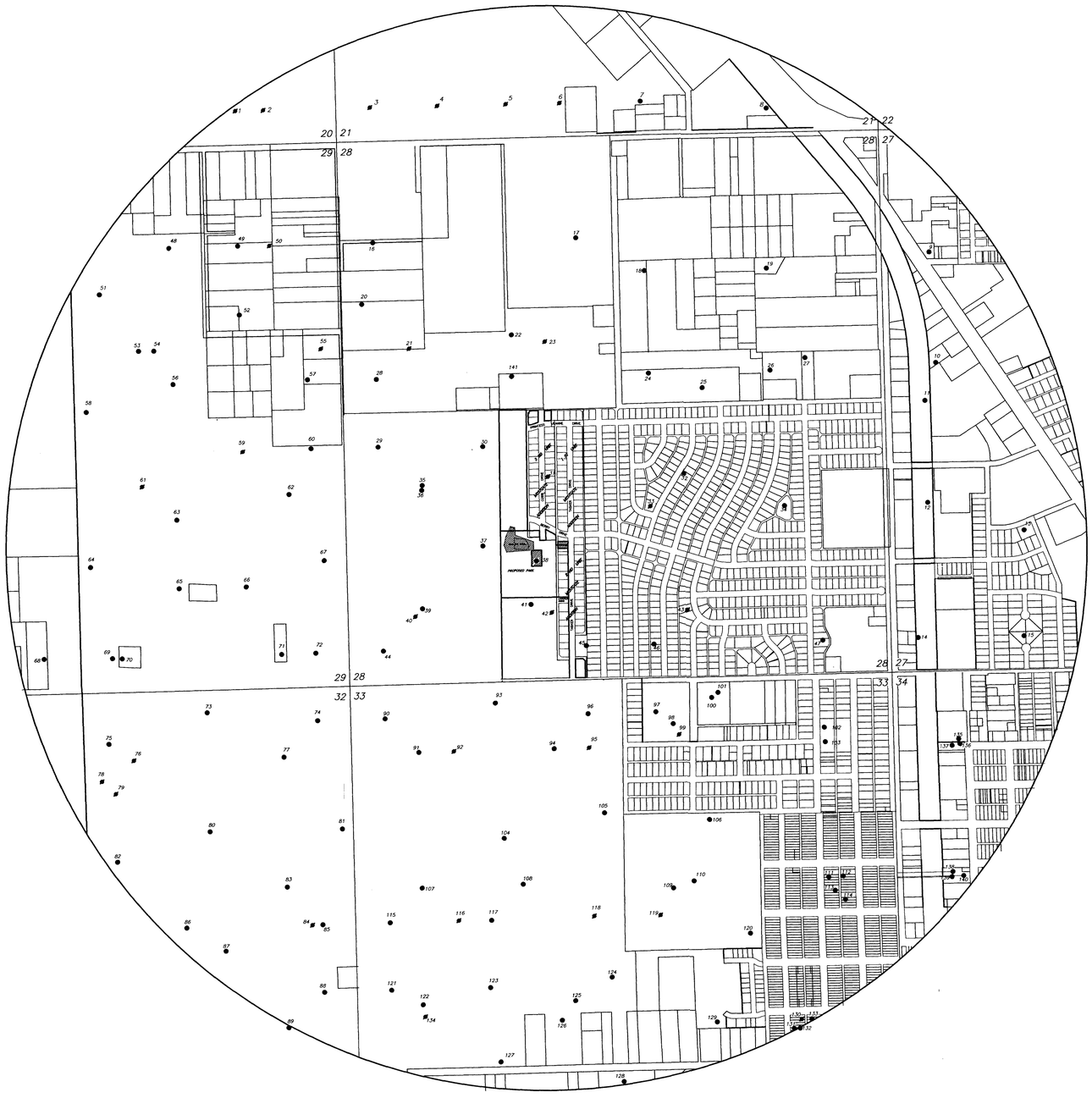
CHKD:	APPD:
seh	seh
DATE:	REV.:
FEB. 1998	1

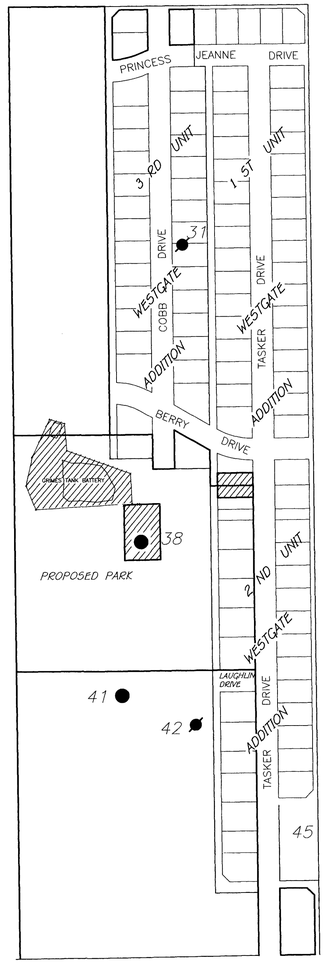
PROJECT NO.: 18906
TASKER ROAD
Hobbs, New Mexico

FIGURE 1

C:\PROJECTS\18906\18906-8.DWG
ko

NO.	WELL NAME		WELL NO.	DISTANCE FROM SECTION LINES	SECTION
1	C.H. SWEET, BOWERS "B" FED.	P&A	#3	332' FSL 983' FEL	20
2	C.H. SWEET, BOWERS "B" FED.	P&A	#3-A	331' FSL 709' FEL	20
3	ALTURA ENERGY LTD., GSA	P&A	#141	331' FSL 335' FWL	21
4	HAROLD L. RUNNELS, GULF-GRIMES	P&A	#2	329' FSL 992' FWL	21
5	ALTURA ENERGY LTD., GSA	P&A	#242	330' FSL 1660' FWL	21
6	HAROLD L. RUNNELS, GULF-GRIMES	P&A	#1	328' FSL 2185' FWL	21
7	ALTURA ENERGY LTD., GSA	INJ	#341	327' FSL 2315' FEL	21
8	ALTURA ENERGY LTD., GSA	INJ	#441	237' FSL 1089' FEL	21
9	ALTURA ENERGY LTD., GSA	A	#111	1200' FNL 468' FWL	27
10	ALTURA ENERGY LTD., GSA	INJ	#221	2278' FNL 506' FWL	27
11	ALTURA ENERGY LTD., GSA	P	#121	2643' FNL 391' FWL	27
12	ALTURA ENERGY LTD., GSA	P	#131	1646' FSL 392' FWL	27
13	ALTURA ENERGY LTD., GSA	P	#231	1356' FSL 1329' FWL	27
14	ALTURA ENERGY LTD., GSA	P	#141	333' FSL 265' FWL	27
15	ALTURA ENERGY LTD., GSA	INJ	#241	330' FSL 1301' FWL	27
16	ALTURA ENERGY LTD., GSA	INJ.	#111	985' FNL 333' FWL	28
17	ALTURA ENERGY LTD., GSA	INJ.	#211	987' FNL 2314' FWL	28
18	ALTURA ENERGY LTD., GSA	INJ.	#311	1323' FNL 2315' FEL	28
19	ALTURA ENERGY LTD., GSA	P	#411	1322' FNL 1124' FWL	28
20	ALTURA ENERGY LTD., GSA	P	#122	1581' FNL 211' FWL	28
21	SINCLAIR OIL & GAS CO., W.D. GRIMES	P&A	#2	1992' FNL 661' FWL	28
22	ALTURA ENERGY LTD., GSA	INJ	#221	1914' FNL 1663' FWL	28
23	REPOLLO OIL CO. W.D. GRIMES	P&A	#6	1987' FNL 1988' FWL	28
24	ALTURA ENERGY LTD., GSA	P	#321	2320' FNL 2301' FEL	28
25	ALTURA ENERGY LTD., GSA	P	#332	2470' FNL 1782' FEL	28
26	ALTURA ENERGY LTD., GSA	P	#421	2314' FNL 1114' FEL	28
27	ALTURA ENERGY LTD., GSA	P	#422	2202' FNL 771' FEL	28
28	ALTURA ENERGY LTD., GSA	P	#121	2313' FNL 336' FWL	28
29	ALTURA ENERGY LTD., GSA	P	#131	2316' FSL 336' FWL	28
30	ALTURA ENERGY LTD., GSA	INJ	#232	2298' FSL 1357' FWL	28
31	SHELL OIL COMPANY, W.D. GRIMES	P&A	#8	1984, FSL 1986' FWL	28
32 *	CONOCO, INC. W.D. GRIMES	P&A	#6	1980' FSL 1980' FEL	28
33	ALTURA ENERGY LTD., GSA	INJ	#331	1671' FSL 2316' FEL	28
34	ALTURA ENERGY LTD., GSA	INJ	#431	1648' FSL 1008' FEL	28
35	SHELL OIL COMPANY, W.D. GRIMES	P&A	#5	1930' FSL 758' FWL	28
36	ALTURA ENERGY LTD., GSA	P	#132	1882' FSL 752' FWL	28
37	ALTURA ENERGY LTD., GSA	INJ	#231	1330' FSL 1335' FWL	28
38	ALTURA ENERGY LTD., GSA	INJ	#242	1165' FSL 1820' FWL	28
39	ALTURA ENERGY LTD., GSA	INJ	#142	734' FSL 732' FWL	28
40	SHELL OIL COMPANY, W.D. GRIMES	P&A	#6	660' FSL 659' FWL	28
41	ALTURA ENERGY LTD., GSA	INJ	#243	748' FSL 1790' FWL	28
42	SHELL OIL COMPANY, W.D. GRIMES	P&A	#7	663' FSL 1991' FWL	28
43 *	CONOCO, INC. W.D. GRIMES	P&A	#5	660' FSL 1980' FEL	28
44	ALTURA ENERGY LTD., GSA	P	#141	332' FSL 338' FWL	28
45	ALTURA ENERGY LTD., GSA	INJ	#241	332' FSL 2322' FWL	28
46	ALTURA ENERGY LTD., GSA	INJ	#341	329' FSL 2315' FEL	28
47	ALTURA ENERGY LTD., GSA	INJ	#441	330' FSL 667' FEL	28
48	ALTURA ENERGY LTD., GSA	P	#311	986' FNL 1663' FEL	29
49	ALTURA ENERGY LTD., GSA	INJ	#411	983' FNL 990' FEL	29
50	HUMBLE OIL & REFINING CO., W.D. GRIMES	P&A	#2	989' FNL 679' FEL	29
51	ALTURA ENERGY LTD., GSA	INJ	#322	1423' FNL 2353' FEL	29
52	TIDE WATER ASSOC. OIL CO., W.D. GRIMES	P&A	#5	1652' FNL 991' FEL	29
53	COLLINS & WARE, INC., STATE "B"	P	#6	1982' FNL 1984' FEL	29
54	MARCUM DRILLING, HOBBS STATE	P	#2	1984' FNL 1835' FEL	29
55	COLLINS & WARE, INC., STATE "B"	P&A	#5	2002' FNL 203' FEL	29
56	ALTURA ENERGY LTD., GSA	INJ	#321	2311' FNL 1654' FEL	29
57	ALTURA ENERGY LTD., GSA	P&A	#421	2299' FNL 339' FEL	29
58	ALTURA ENERGY LTD., GSA	P	#323	2562' FNL 2510' FEL	29
59 *	TIDE WATER ASSOC. OIL CO., W.D. GRIMES	P&A	#1	2310' FSL 990' FEL	29
60	ALTURA ENERGY LTD., GSA	P	#431	2322' FSL 322' FEL	29
61	CONOCO, INC. STATE "A-29"	P&A	#4	1997' FSL 1981' FEL	29
62	LEWIS B. BURLESON, INC., W.D.GRIMES	P	#6	1880' FSL 547' FEL	29
63	ALTURA ENERGY LTD., GSA	P	#331	1665' FSL 1650' FEL	29
64	ALTURA ENERGY LTD., GSA	INJ	#342	1229' FSL 2504' FEL	29
65	CHEVRON U.S.A., STATE 1-29	P&A	#2	999' FSL 1642' FEL	29
66	CHEVRON U.S.A., STATE 1-29	P	#1	998' FSL 987' FEL	29
67	ALTURA ENERGY LTD., GSA	INJ	#442	1230' FSL 220' FEL	29
68	ALTURA ENERGY LTD., GSA	INJ	#241	349' FSL 2307' FWL	29
69	ALTURA ENERGY LTD., GSA	P	#341	339' FSL 2312' FEL	29
70	CHEVRON U.S.A., STATE 1-29	P	#5	333' FSL 2218' FEL	29
71	CHEVRON U.S.A., STATE 1-29	P	#6	330' FSL 658' FEL	29
72	ALTURA ENERGY LTD., GSA	P	#441	332' FSL 325' FEL	29
73	ALTURA ENERGY LTD., GSA	INJ	#312	214' FNL 1401' FEL	32
74	ALTURA ENERGY LTD., GSA	INJ	#411	324' FNL 322' FEL	32
75	ALTURA ENERGY LTD., GSA	P	#313	494' FNL 2368' FEL	32
76	COLLINS & WARE INC., STATE "A"	P&A	#4	659' FNL 2128' FEL	32
77	COLLINS & WARE INC., STATE "A"	INJ	#5	683' FNL 660' FEL	32
78	AMERADA HESS., STATE "A"	P&A	#3	856' FNL 2445' FEL	32
79	SHELL WESTERN E&P, INC. GSA	P&A	#311	978' FNL 2313' FEL	32
80	ALTURA ENERGY LTD., GSA	INJ	#323	1371' FNL 1401' FEL	32
81	ALTURA ENERGY LTD., GSA	INJ	#422	1383' FNL 109' FEL	32
82	ALTURA ENERGY LTD., GSA	INJ	#321	1642' FNL 2314' FEL	32
83	ALTURA ENERGY LTD., GSA	INJ	#424	1932' FNL 661' FEL	32
84	SHELL OIL CO. STATE "A"	P&A	#5	2310' FNL 425' FEL	32
85	ALTURA ENERGY LTD., GSA	INJ	#421	2309' FNL 323' FEL	32
86	ALTURA ENERGY LTD., STATE "A"	INJ	#1	2300' FNL 1652' FEL	32
87	ALTURA ENERGY LTD., GSA	INJ	#423	2538' FNL 1275' FEL	32
88	ALTURA ENERGY LTD., GSA	P	#431	2312' FSL 324' FEL	32
89	SAGA PETROLEUM LIMITED LIAB. CO., ST.	INJ	#6	1975' FSL 680' FEL	32
90	ALTURA ENERGY LTD., GSA	P	#111	326' FNL 338' FWL	33
91	ALTURA ENERGY LTD., GSA	INJ	#112	661' FNL 660' FWL	33
92	SHELL OIL CO. STATE "B"	P&A	#4	659' FNL 1002' FWL	33
93	ALTURA ENERGY LTD., GSA	INJ	#212	201' FNL 1418' FWL	33
94	ALTURA ENERGY LTD., HD STATE "B"	P	#6	660' FNL 1980' FWL	33
95	SHELL OIL CO. STATE "B"	P&A	#3	659' FNL 2321' FWL	33
96	ALTURA ENERGY LTD., GSA	INJ	#211	329' FNL 2320' FWL	33
97	ALTURA ENERGY LTD., GSA	INJ	#311	328' FNL 2314' FEL	33
98	CHEVRON U.S.A. INC., W.D. GRIMES NCT-B	P	#7	449' FNL 2146' FEL	33
99	GULF OIL CO., W.D. GRIMES NCT-B	P&A	#5	553' FNL 2092' FEL	33
100	ALTURA ENERGY LTD., GSA	INJ	#342	201' FNL 1767' FEL	33
101	ALTURA ENERGY LTD., GSA	INJ	#312	152' FNL 1705' FEL	33
102	CHEVRON U.S.A., INC., W.D. GRIMES NCT-B	P	#9	518' FNL 674' FEL	33
103	ALTURA ENERGY LTD., GSA	INJ	#411	659' FNL 667' FEL	33
104	ALTURA ENERGY LTD., GSA	INJ	#222	1520' FNL 1471' FWL	33
105	ALTURA ENERGY LTD., GSA	INJ	#213	1297' FNL 2456' FWL	33
106	ALTURA ENERGY LTD., GSA	INJ	#322	1386' FNL 1816' FEL	33
107	ALTURA ENERGY LTD., GSA	INJ	#122	1981' FNL 658' FWL	33
108	ALTURA ENERGY LTD., STATE "G"	P	#6	1971' FNL 1644' FWL	33
109	SAGA PETROLEUM LIMITED LIAB., CONOCO ST.	P	#1	2047' FNL 2182' FEL	33
110	ALTURA ENERGY LTD., GSA	INJ	#321	1980' FNL 1982' FEL	33
111	ALTURA ENERGY LTD., GSA	INJ	#421	1977' FNL 665' FEL	33
112	ALTURA ENERGY LTD., GSA	INJ	#412	1972' FNL 523' FEL	33
113	CHEVRON USA, INC. W.D. GRIMES NCT-B	P	#8	2107' FNL 605' FEL	33
114	ALTURA ENERGY LTD., GSA	INJ	#422	2199' FNL 509' FEL	33
115	ALTURA ENERGY LTD., GSA	P	#121	2310' FNL 336' FWL	33
116	AMOCO PRODUCTION CO. STATE "G"	P&A	#4	2306' FNL 1007' FWL	33
117	ALTURA ENERGY LTD., GSA	INJ	#221	2312' FNL 1326' FWL	33
118	AMOCO PRODUCTION CO. STATE "G"	P&A	#3	2298' FNL 2330' FWL	33
119	CONOCO, INC. STATE "A-33"	P&A	#11	2306' FNL 2315' FEL	33
120	ALTURA ENERGY LTD., GSA	INJ	#323	2503' FNL 1444' FWL	33
121	ALTURA ENERGY LTD., GSA	INJ	#131	2312' FSL 334' FWL	33
122	BROTHERS PRODUCTION CO. STATE "A-33"	P	#12	2162' FSL 639' FWL	33
123	ALTURA ENERGY LTD., GSA	INJ	#231	2313' FSL 1300' FWL	33
124	ALTURA ENERGY LTD., GSA	INJ	#233	2386' FSL 2487' FWL	33
125	SAGA PETROLEUM LIMITED LIAB., CONOCO ST.	P	#2	2160' FSL 2127' FWL	33
126	ROWLAND TRUCKING CO. INC., BRINE STA.	P	#2	1985' FSL 1991' FWL	33
127	ALTURA ENERGY LTD., GSA	INJ.	#232	1588' FSL 1383' FWL	33
128	ALTURA ENERGY LTD., GSA	INJ	#234	1366' FSL 2579' FWL	33
129	ALTURA ENERGY LTD., GSA	INJ	#331	1926' FSL 1789' FEL	33
130	CHEVRON USA, INC. W.D. GRIMES NCT-B	P&A	#6	1933' FSL 963' FEL	33





LEGEND

A DENOTES WELL TO BE ABANDONED
INJ. DENOTES INJECTION WELL
P. DENOTES PRODUCING WELL
P&A DENOTES WELL PLUGGED & ABANDONED

* DENOTES ACTUAL WELL LOCATION NOT FOUND (OCD RECORD LOCATIONS USED)

NO.	WELL NAME		WELL NO.	DISTANCE FROM SECTION LINES	SECTION
131	ALTURA ENERGY LTD., GSA	INJ	#433	1848' FSL 981' FEL	33
132	ALTURA ENERGY LTD., GSA	INJ	#431	1933' FSL 864' FEL	33
133	ALTURA ENERGY LTD., GSA	INJ	#432	1846' FSL 1038' FEL	33
134 *	CONOCO INC., STATE A-33	P&A	#	2040' FSL 660' FWL	33
135	ALTURA ENERGY LTD., GSA	INJ	#1	661' FNL 640' FWL	34
136	ALTURA ENERGY LTD., GSA COOP	INJ	#9	709' FNL 651' FWL	34
137	ALTURA ENERGY LTD., GSA	INJ	#210	723' FNL 573' FWL	34
138	ALTURA ENERGY LTD., GSA COOP	INJ	#6	1953' FNL 551' FWL	34
139	ALTURA ENERGY LTD., TURNER TRACT 2	P	#30	2002' FNL 542' FWL	34
140	ALTURA ENERGY LTD., GSA	INJ	#2	1994' FNL 657' FWL	34
141	W.D.GRIMES	P&A	#9	2319' FNL 1657' FWL	28

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400 0 400 800 1200 Feet

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL CORPORATION
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC.

WESTGATE SUBDIVISION

ONE MILE RADIUS OF PRODUCING AND PLUGGED & ABANDONED WELL LOCATIONS AS LOCATED IN SECTIONS, 20, 21, 27, 28, 29, 32, 33, AND 34, TOWNSHIP 18 SOUTH, RANGE 38 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

SURVEYED BY: LAWLESS	DRAWN BY: JLF/DMCC	REV. DATE: 11/4/98	DRAWING # D-847
DATE BEGIN: 5/11/98	DATE: 6/5/98	FILE NAME: BBC07338	
DATE END: 11/2/98	CHECKED BY:	SHEET 1 OF 1	FIGURE 2
PROJECT #: 98110738	DISK #: BBC	Scale:	

7/27/98

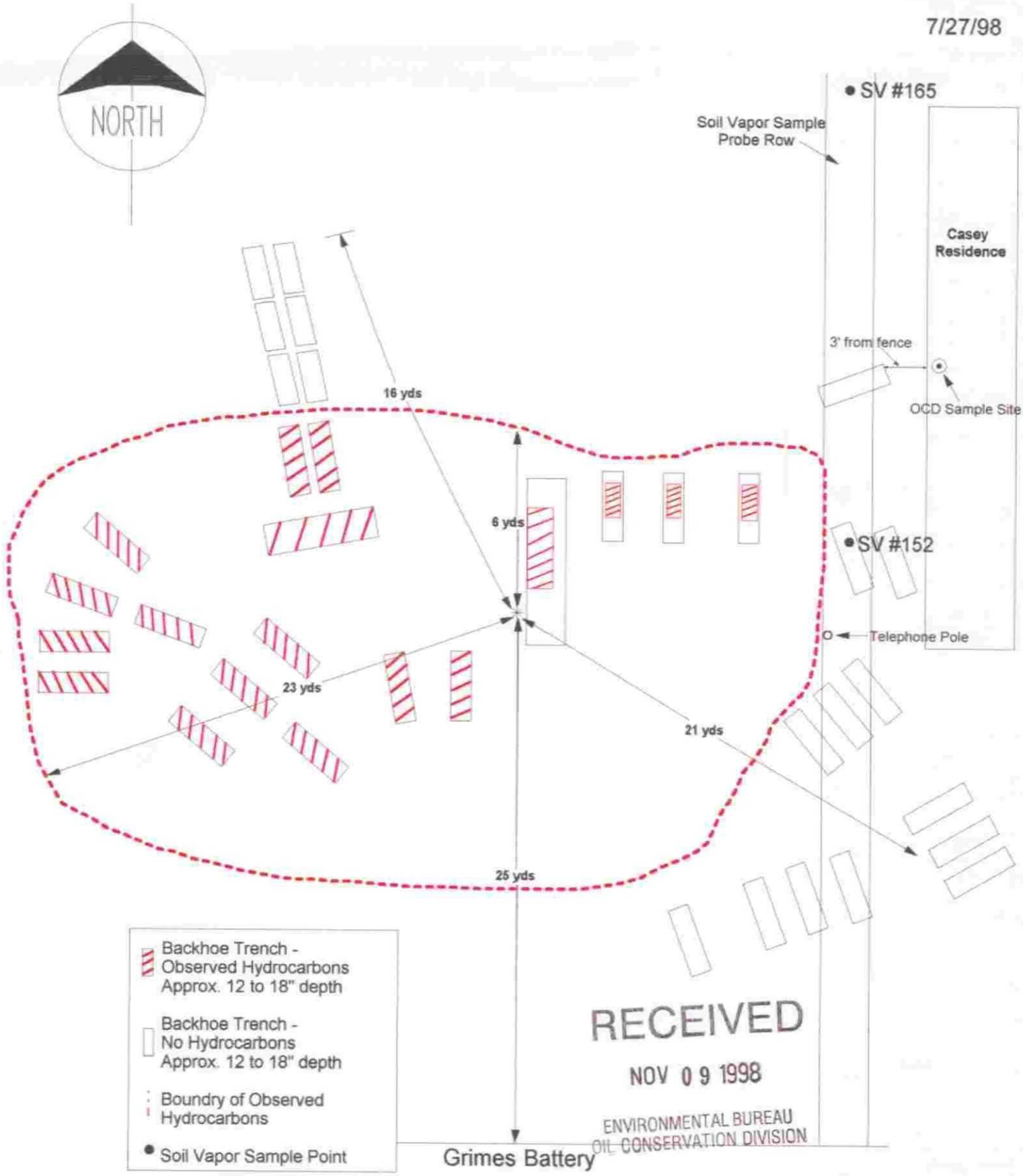
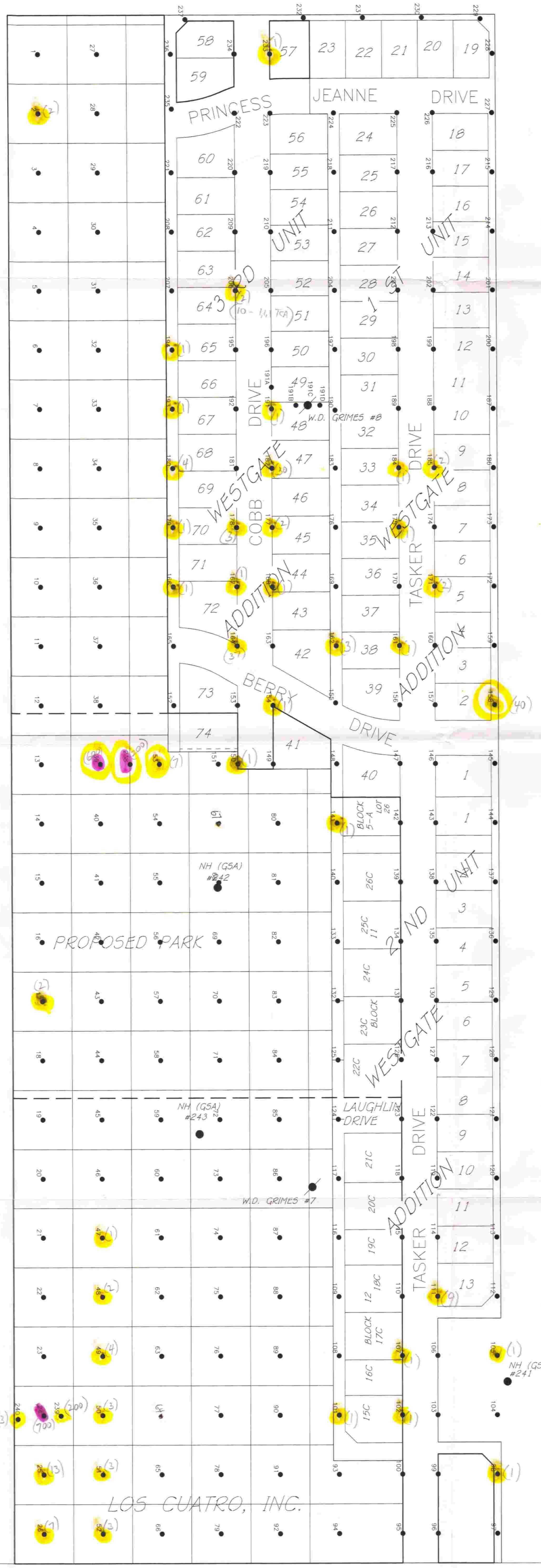


Figure 3

North of Grimes Battery Site Assessment Map

BBC INTERNATIONAL
Hobbs, New Mexico
(505) 397-6388



GARY G. EIDSON NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR
11/5/98

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OIL CONSERVATION DIVISION

60 0 60 120 FEET
Scale: 1" = 60'

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL INCORPORATED
HOBBS, NEW MEXICO

BBC INTERNATIONAL INC.

SOIL VAPOR SURVEY SAMPLE POINTS-100 FOOT GRID SPACING
FIRST, SECOND, AND THIRD UNITS OF WESTGATE ADDITIONS
LOCATED IN THE WEST HALF OF SECTION 28,
TOWNSHIP 18 SOUTH, RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

Surveyed By: LAWLESS	Drawn By: JLP/DMCC	Last Rev.: 9/8/98	D-047
Date Begin: 5/11/98	Date: 5/12/98	Disk: BBC	
Date End:	Approved By:	Sheet of	FIGURE 4
Project #: 98110738	Filename: 0738-48		

BERRY DRIVE

TSV-F

TSV-E

1331 TASKER

ALLEY

TSV-G

TSV-N

TSV-U

TSV-D

TASKER DRIVE

TSV-M

TSV-O

TSV-C

TSV-Y

TSV-B

TSV-A

TSV-L

TSV-I

TSV-W

TSV-H

TSV-S

TSV-AA

TSV-T

TSV-R

ALLEY

TSV-V

TSV-J

TSV-K

NORTH

LEGEND

DENOTES EXISTING RESIDENCE

DENOTES PROPOSED PARK CARVE-OUT

TSV – DENOTES TASKER SOIL VAPOR

10 0 10 20 FEET

Scale: 1"=10'

GARY G. FIDSON NEW MEXICO PROFESSIONAL SURVEYOR

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL INCORPORATED
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC.

TASKER ROAD

SOIL VAPOR SAMPLE POINTS
PERRY HOME AND LOT
IN SECTION 28
TOWNSHIP 18 SOUTH,
RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

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NOV 09 1998
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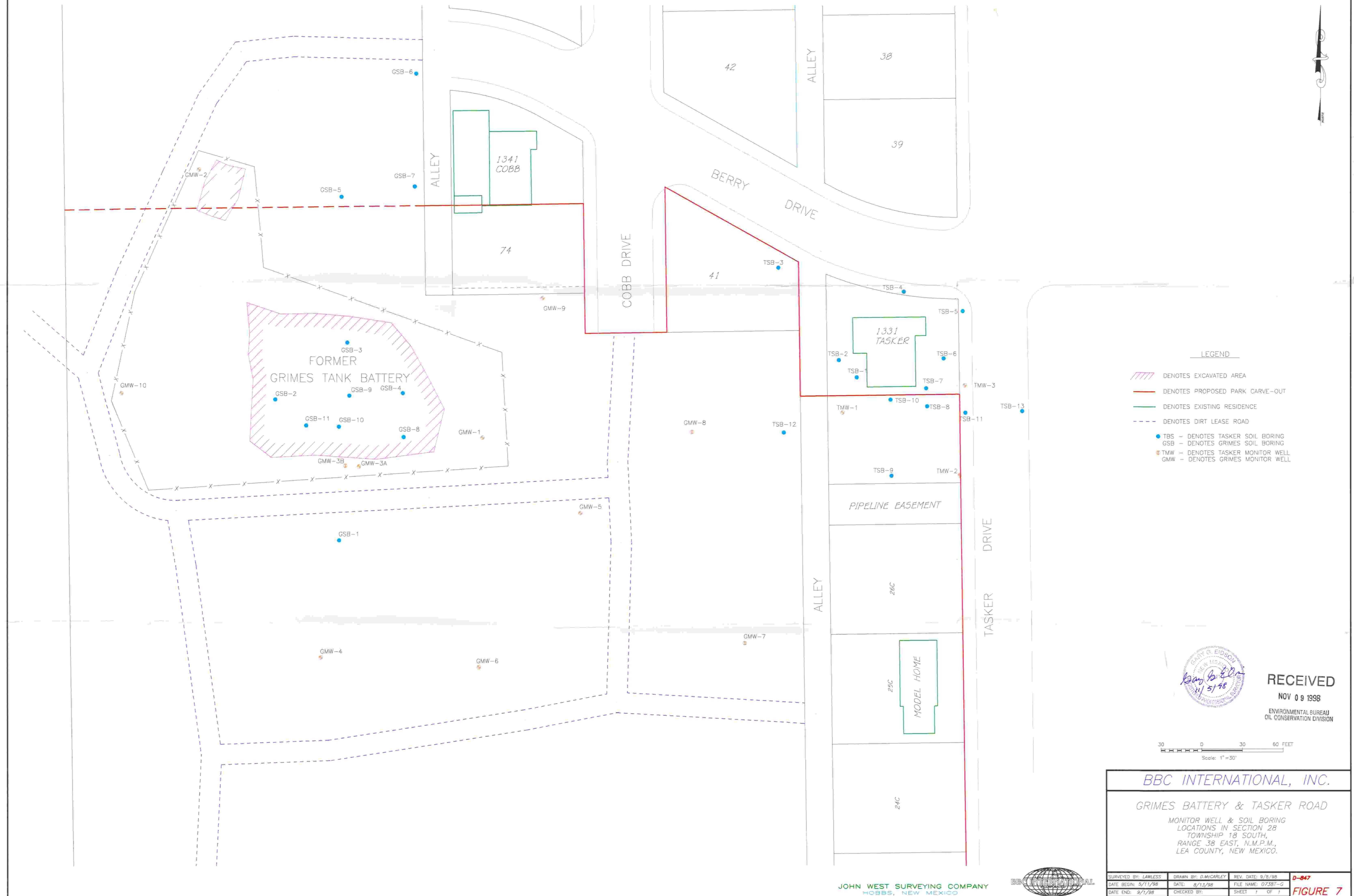
OIL CONSERVATION DIVISION

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 9/8/98	Drawing Number D-847
DATE BEGIN: 5/11/98	DATE: 6/13/98	FILE NAME: 07J8TASK	
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	FIGURE 5
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=10'	



JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC.

GRIMES BATTERY & TASKER ROAD

MONITOR WELL & SOIL BORING
LOCATIONS IN SECTION 28
TOWNSHIP 18 SOUTH,
RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 9/8/98	D-847
DATE BEGIN: 5/11/98	DATE: 8/13/98	FILE NAME: 07387-G	FIGURE 7
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=30'	

GSB-6

GMW-2

GSB-7

GSB-5

73

1341
COBB

74

COBB DRIVE

41

GMW-9

GSB-3

FORMER
GRIMES TANK BATTERY

GSB-2

GSB-9

GSB-4

GSB-11

GSB-10

GSB-8

GMW-10

GMW-1

GMW-3B

GMW-3A

GMW-8

GMW-5

GSB-1

GMW-7

GMW-4

GMW-6

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES EXISTING RESIDENCE
- DENOTES DIRT LEASE ROAD
- GSB – DENOTES GRIMES SOIL BORING
- GMW – DENOTES GRIMES MONITOR WELL

GARY O. EIDSON
NEW MEXICO
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REGISTERED PROFESSIONAL SURVEYOR

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Scale: 1"=20'

JOHN WEST SURVEYING COMPANY
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BBC INTERNATIONAL, INC.

GRIMES BATTERY

SOIL BORINGS AND MONITOR WELLS
IN SECTION 28
TOWNSHIP 18 SOUTH,
RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 9/8/98	D-847
DATE BEGIN: 5/11/98	DATE: 8/13/98	FILE NAME: 0738GRIM	FIGURE 8
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=20'	

BERRY DRIVE

TSB-3

TSB-4

TSB-5

1331 TASKER

ALLEY

TSB-2

TSB-6

TSB-1

TSB-7

TASKER DRIVE

TMW-3

TSB-10

TSB-8

TSB-13

TSB-11

TMW-1

TSB-12

ALLEY

TSB-9

TMW-2

LEGEND

DENOTES EXISTING RESIDENCE

DENOTES PROPOSED PARK CARVE-OUT

TMW – DENOTES MONITOR WELL

TSB – DENOTES TASKER SOIL BORING

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OIL CONSERVATION DIVISION

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Scale: 1"=10'

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JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

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HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC.

TASKER ROAD

SOIL BORINGS AND MONITOR WELLS
IN SECTION 28
TOWNSHIP 18 SOUTH,
RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 9/8/98	Drawing Number: D-847
DATE BEGIN: 5/11/98	DATE: 8/13/98	FILE NAME: 0738TASK	
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	FIGURE 9
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=10'	

GSB-6

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P XYLENE & O-XYLENE
GSB-6	2'-7'	18.7	ND	ND	ND	ND
GSB-6	18'-20'	ND	ND	ND	ND	0.162
GSB-6	18'-20'	ND	ND	ND	ND	ND

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P XYLENE & O-XYLENE
GSB-5	2'-3'	ND	ND	ND	ND	ND
GSB-5	18'-20'	ND	ND	ND	ND	ND
GSB-5	38'-40'	ND	ND	ND	ND	ND

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P XYLENE & O-XYLENE
GSB-7	2'-3'	217	ND	ND	ND	ND
GSB-7	33'-35'	692	ND	ND	0.433	2.42
GSB-7	56'-60'	ND	ND	ND	ND	ND

GSB-7

GSB-5

73

1341 COBB

74

COBB DRIVE

41

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P XYLENE & O-XYLENE
GSB-3	2'-3'	4,750	ND	ND	ND	ND
GSB-3	38'-40'	1,260	ND	ND	0.321	2.5
GSB-3	48'-50'	771	ND	ND	1.1	8.0

GSB-3

FORMER
GRIMES TANK BATTERY

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P XYLENE & O-XYLENE
GSB-4	2'-7'	113.5	ND	ND	ND	ND
GSB-4	48'-50'	1,260	ND	0.400	3.21	21.3
GSB-4	57'-59'	1,260	ND	0.54	1.79	6.13

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P XYLENE & O-XYLENE
GSB-9	2'-3'	24.1	ND	ND	ND	ND
GSB-9	13'-15'	1,260	ND	ND	0.93	8.48
GSB-9	50'-52'	1,260	ND	ND	348	4.24

GSB-9

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P XYLENE & O-XYLENE
GSB-2	5'-6'	ND	ND	ND	ND	ND
GSB-2	45'-47'	670	ND	5.101	0.525	1.35
GSB-2	56'-57'	1,260	ND	0.461	0.298	2.62

GSB-2

GSB-4

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P XYLENE & O-XYLENE
GSB-11	2'-3'	12	ND	ND	ND	ND
GSB-11	33'-35'	1,260	ND	ND	0.453	2.65
GSB-11	48'-50'	1,260	ND	ND	0.884	7.41

GSB-11

GSB-10

GSB-8

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P XYLENE & O-XYLENE
GSB-8	2'-7'	28	ND	ND	ND	ND
GSB-8	43'-45'	1,260	ND	ND	0.556	4.04
GSB-8	57'-59'	1,260	ND	5.69	1.78	7.20

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P XYLENE & O-XYLENE
GSB-10	2'-3'	1,260	ND	ND	3.1	15.9
GSB-10	3'-7'	1,260	ND	ND	2.46	10.8
GSB-10	50'-52'	1,260	ND	ND	0.577	4.31

GSB-10

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P XYLENE & O-XYLENE
GSB-1	2'-3'	ND	ND	ND	ND	ND
GSB-1	58'-60'	ND	ND	ND	ND	0.857
GSB-1	63'-65'	274	ND	ND	ND	0.075

GSB-1

GSB-8

GSB-4

GSB-2

GSB-9

GSB-11

GSB-10

GSB-3

GSB-5

GSB-7

GSB-6

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES EXISTING RESIDENCE
- DENOTES DIRT LEASE ROAD
- GSB – DENOTES GRIMES SOIL BORING

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Scale: 1"=20'

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC.

GRIMES BATTERY

SOIL BORINGS WITH TPH & BTEX DATA
IN SECTION 28
TOWNSHIP 18 SOUTH,
RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 9/8/98	D-847
DATE BEGIN: 5/11/98	DATE: 8/13/98	FILE NAME: 0738GRIM	FIGURE 10
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=20'	

BERRY DRIVE

TSB-3

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-3	2-3'	ND	ND	ND	ND	ND	ND
TSB-3	3-5'	11.7	ND	ND	ND	ND	ND
TSB-3	18-20'	10.0	ND	ND	ND	ND	ND

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-4	2-3'	52.3	ND	ND	ND	0.063	ND
TSB-4	3-5'	ND	ND	0.270	ND	ND	ND
TSB-4	18-20'	ND	ND	ND	ND	ND	ND

TSB-4

TSB-5

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-5	2-3'	ND	ND	ND	ND	ND	ND
TSB-5	3-5'	ND	ND	ND	ND	ND	ND
TSB-5	18-20'	102	ND	ND	ND	ND	ND

1331 TASKER

ALLEY

TSB-2

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-2	2-3'	12	ND	ND	ND	ND	ND
TSB-2	3-5'	ND	ND	ND	ND	ND	ND
TSB-2	18-20'	ND	ND	ND	ND	ND	ND

TSB-6

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-6	2-3'	86.8	ND	ND	ND	ND	ND
TSB-6	3-5'	[redacted]	ND	ND	ND	ND	ND
TSB-6	18-20'	ND	ND	ND	ND	0.092	ND

TSB-1

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-1	2-3'	[redacted]	ND	ND	ND	ND	ND
TSB-1	3-5'	[redacted]	ND	ND	11.1	ND	1.9
TSB-1	8-10'	[redacted]	ND	ND	ND	ND	ND
TSB-1	43-45'	17.4	ND	ND	ND	ND	ND

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-7	2-3'	[redacted]	0.710	1.0	5.7	15.0	0.860
TSB-7	3-5'	[redacted]	ND	ND	[redacted]	[redacted]	ND
TSB-7	8-10'	1.39	ND	ND	0.502	21.0	0.089
TSB-7	28-30'	ND	ND	ND	ND	ND	ND

TSB-7

TSB-10

TSB-8

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-10	2-3'	[redacted]	ND	ND	1.30	3.71	ND
TSB-10	3-5'	[redacted]	ND	ND	41.0	20.0	ND
TSB-10	8-10'	[redacted]	ND	ND	5.8	18.0	0.880
TSB-10	25-31'	ND	ND	ND	ND	ND	ND

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-8	2-3'	[redacted]	ND	ND	17.0	ND	5.6
TSB-8	3-5'	[redacted]	ND	ND	12.0	36.0	ND
TSB-8	8-10'	15.6	ND	ND	2.5	9.8	ND
TSB-8	40-42'	15.6	ND	ND	ND	ND	ND

TSB-11

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-11	2-3'	[redacted]	ND	ND	ND	ND	ND
TSB-11	3-5'	[redacted]	ND	ND	ND	ND	ND
TSB-11	18-20'	[redacted]	ND	ND	1.4	4.4	ND
TSB-11	29-31'	127	ND	ND	ND	ND	ND

TSB-13

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-13	2-3'	[redacted]	ND	ND	ND	ND	ND
TSB-13	3-5'	[redacted]	ND	ND	ND	ND	ND
TSB-13	8-10'	[redacted]	ND	ND	ND	ND	ND
TSB-13	23-25'	ND	ND	ND	ND	ND	ND

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-12	2-3'	[redacted]	ND	ND	ND	ND	ND
TSB-12	3-5'	[redacted]	ND	ND	ND	ND	ND
TSB-12	18-20'	[redacted]	ND	ND	ND	ND	ND
TSB-12	48-50'	20.3	ND	ND	ND	ND	ND

TSB-12

ALLEY

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TSB-9	2-3'	97.2	ND	ND	ND	ND	ND
TSB-9	3-5'	ND	ND	ND	ND	ND	ND
TSB-9	18-20'	117	ND	ND	ND	ND	ND

TSB-9

TASKER DRIVE

LEGEND

- DENOTES EXISTING RESIDENCE
- DENOTES PROPOSED PARK CARVE-OUT
- TSB – DENOTES TASKER SOIL BORING

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OIL CONSERVATION DIVISION

10 0 10 20 FEET
Scale: 1"=10'

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC.
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC.

TASKER ROAD

SOIL BORINGS WITH TPH & BTEX DATA
IN SECTION 28
TOWNSHIP 18 SOUTH,
RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 9/8/98	Drawing Number: D-847
DATE BEGIN: 5/11/98	DATE: 8/13/98	FILE NAME: 07381ASK	
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	FIGURE 11
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=10'	

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-2	ND	ND	0.001	ND	0.002	ND

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-2	13-15'	ND	ND	ND	ND	ND	ND
GMW-2	58-60'	ND	ND	ND	ND	ND	ND
GMW-2	63-65'	10.8	ND	ND	ND	ND	ND

GMW-2

Area 1

73

1341
COBB

74

COBB DRIVE

41

SOIL DATA — GMW-9

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-9	8-10'		ND	ND	ND	ND	ND
GMW-9	63-65'	206	ND	ND	ND	ND	ND

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-9	7.28	0.0018	ND	0.018	0.080	0.027

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-10	ND	0.0018	ND	NG	ND	ND

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-10	3-5'		ND	ND	ND	ND	ND
GMW-10	63-65'	ND	ND	ND	ND	ND	ND

GMW-10

FORMER
GRIMES TANK BATTERY

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-3	27	ND	ND	ND	0.580	0.120

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-3	53-55'		ND	ND	2.0	8.7	1.4
GMW-3	63-65'		ND	ND	0.100	0.810	0.180

GMW-1
product 0.02'
xylenes

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-1	16.9	ND	ND	0.030		

GMW-3B
naphthalenes

GMW-3A
product sheen

product 6.17'

GMW-5
xylenes
naphthalenes

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-5	58-60'	7.8	ND	ND	ND	ND	ND
GMW-5	63-65'		ND	ND	0.110		

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-5	218	ND	ND	0.190		

GMW-8

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-8	28-30'	NO	0.450	0.410	ND	ND	ND
GMW-8	63-65'	ND	ND	ND	ND	ND	ND

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-8	NG	0.0027	ND	ND	ND	ND

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-7	ND	0.0013	ND	NG	NG	ND

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-7	45-50'	ND	ND	ND	ND	ND	ND
GMW-7	63-65'	ND	ND	ND	ND	ND	ND

GMW-7

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-4	0.533	0.502	ND	ND	NG	ND

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-4	15-20'		ND	ND	ND	ND	ND
GMW-4	63-65'	ND	ND	ND	ND	ND	ND

GMW-4

Phase I

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-6	ND	ND	ND	0.002	0.007	0.002

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M,P-XYLENE	O-XYLENE
GMW-6	3-5'	15.6	NG	ND	ND	ND	ND
GMW-6	63-65'	ND	ND	ND	ND	ND	ND

GMW-6

Phase I

GARY L. EDSON
NEW MEXICO
11/5/98
PROFESSIONAL SURVEYOR

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL
HOBBS, NEW MEXICO

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES EXISTING RESIDENCE
- DENOTES DIRT LEASE ROAD
- GMW – DENOTES GRIMES MONITOR WELL

WELL NO.	COORDINATE NAD 83	ELEVATIONS NAVD 88
GMW #1	Y=625744.270 X=903384.175	3645.435 NATURAL GROUND 3645.692 TOP CONC. SLAB 3647.838 TOP 4" CASING
GMW #2	Y=625940.693 X=903175.145	3645.698 NATURAL GROUND 3646.085 TOP CONC. SLAB 3648.505 TOP 4" CASING
GMW #3A	Y=625723.052 X=903293.013	3645.088 NATURAL GROUND 3645.535 TOP CONC. SLAB 3648.043 TOP 4" CASING
GMW #3B	Y=625723.454 X=903282.845	3645.482 NATURAL GROUND 3645.664 TOP CONC. SLAB 3648.260 TOP 4" CASING
GMW #4	Y=625582.631 X=903254.736	3644.941 NATURAL GROUND 3645.215 TOP CONC. SLAB 3647.786 TOP 4" CASING
GMW #5	Y=625688.669 X=903456.523	3645.492 NATURAL GROUND 3645.829 TOP CONC. SLAB 3648.408 TOP 4" CASING
GMW #6	Y=625575.570 X=903381.403	3645.542 NATURAL GROUND 3645.788 TOP CONC. SLAB 3648.223 TOP 4" CASING
GMW #7	Y=625592.731 X=903577.526	3645.032 NATURAL GROUND 3645.272 TOP CONC. SLAB 3644.983 TOP 4" CASING
GMW #8	Y=625748.046 X=903538.638	3645.877 NATURAL GROUND 3646.147 TOP CONC. SLAB 3645.663 TOP 4" CASING
GMW #9	Y=625846.505 X=903428.557	3646.286 NATURAL GROUND 3646.500 TOP CONC. SLAB 3648.271 TOP 4" CASING
GMW #10	Y=625776.577 X=903117.876	3645.604 NATURAL GROUND 3645.965 TOP CONC. SLAB 3645.652 TOP 4" CASING

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OIL CONSERVATION DIVISION

20 0 20 40 FEET
Scale: 1"=20'

BBC INTERNATIONAL, INC.

GRIMES BATTERY

MONITOR WELLS WITH TPH & BTEX DATA
(SOILS AND GROUNDWATER)
IN SECTION 28
TOWNSHIP 18 SOUTH,
RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 9/8/98	D-847
DATE BEGIN: 5/11/98	DATE: 8/13/98	FILE NAME: 0738GRIM	FIGURE 12
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=20'	

BERRY DRIVE

1331 TASKER

ALLEY

TASKER DRIVE

ALLEY

TMW-1

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TMW-1	2-3'	[redacted]	ND	ND	[redacted]	[redacted]	ND
TMW-1	63-65'	18.1	ND	ND	ND	ND	ND

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TMW-1	ND	0.002	ND	ND	0.001	ND

TMW-2 Phenols

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TMW-2	ND	0.002	ND	ND	ND	ND

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TMW-2	53-55'	21.5	ND	ND	ND	ND	ND
TMW-2	63-65'	50.6	ND	ND	ND	ND	ND

TMW-3 Phenols

SOIL DATA

SAMPLE ID	SAMPLE DEPTH	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TMW-3	2-3'	[redacted]	10.074	ND	ND	ND	ND
TMW-3	3-5'	[redacted]	0.073	ND	ND	ND	ND
TMW-3	23-25'	[redacted]	0.130	ND	3.0	11.5	ND
TMW-3	63-65'	ND	0.607	ND	ND	ND	ND

GROUNDWATER DATA

SAMPLE ID	TPH	BENZENE	TOLUENE	ETHYLBENZENE	M.P. XYLENE	O-XYLENE
TMW-3	ND	ND	ND	0.001	0.005	0.002

WELL NO.	COORDINATE NAD 83	ELEVATIONS NAVD 88
TMW #1	Y=625761.137 X=903649.459	3646.514 NATURAL GROUND 3646.502 TOP CONC. SLAB 3646.178 TOP 4" CASING
TMW #2	Y=625718.461 X=903735.951	3644.029 NATURAL GROUND 3644.294 TOP CONC. SLAB 3643.936 TOP 4" CASING
TMW #3	Y=625782.703 X=903739.665	3643.645 NATURAL GROUND 3643.733 TOP CONC. SLAB 3643.498 TOP 4" CASING

LEGEND

- DENOTES EXISTING RESIDENCE
- DENOTES PROPOSED PARK CARVE-OUT
- TMW – DENOTES MONITOR WELL

RECEIVED
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OIL CONSERVATION DIVISION

10 0 10 20 FEET
Scale: 1"=10'

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC.

TASKER ROAD

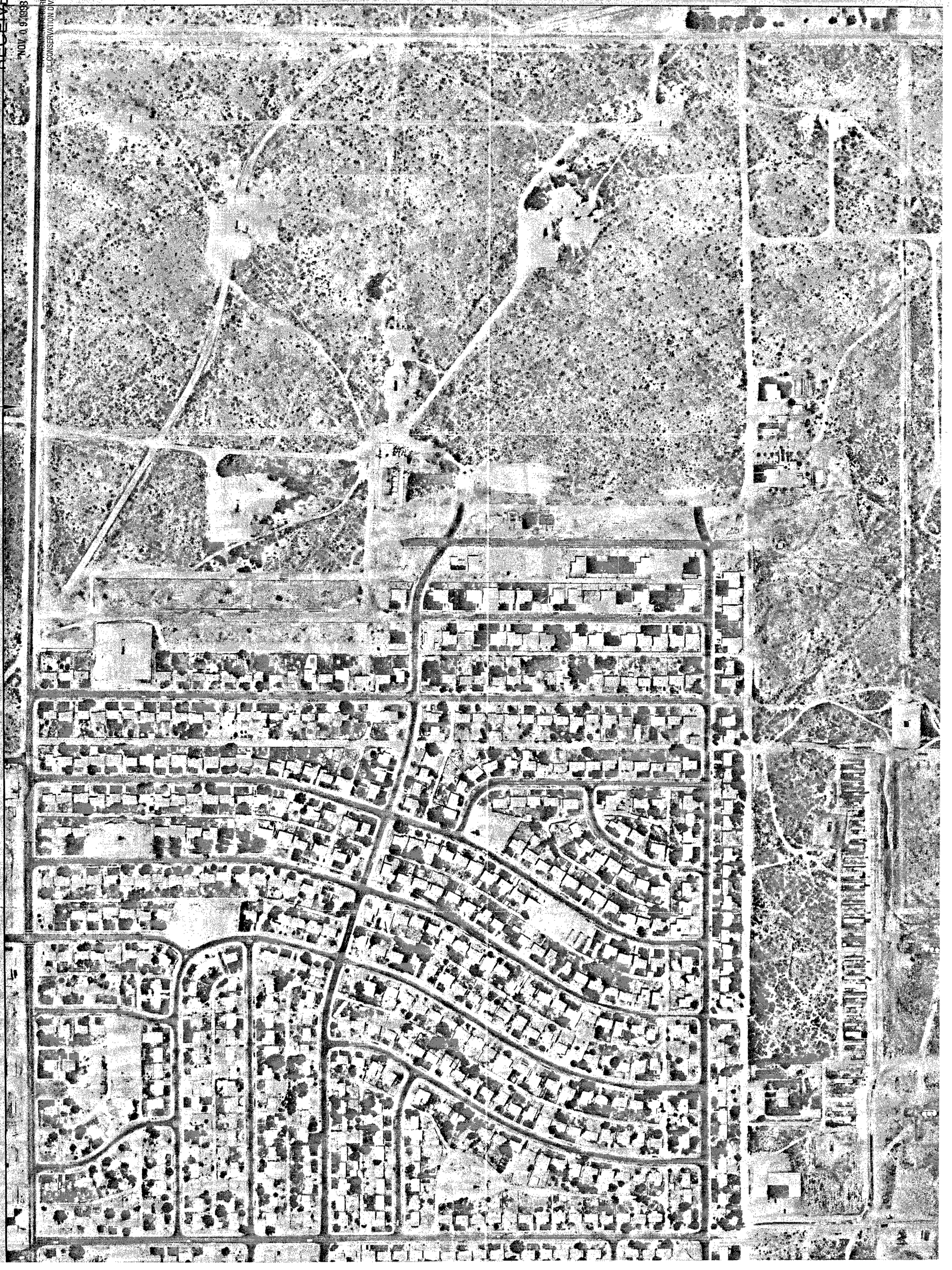
MONITOR WELLS WITH TPH & BTEX DATA
(SOILS AND GROUNDWATER)
IN SECTION 28
TOWNSHIP 18 SOUTH,
RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

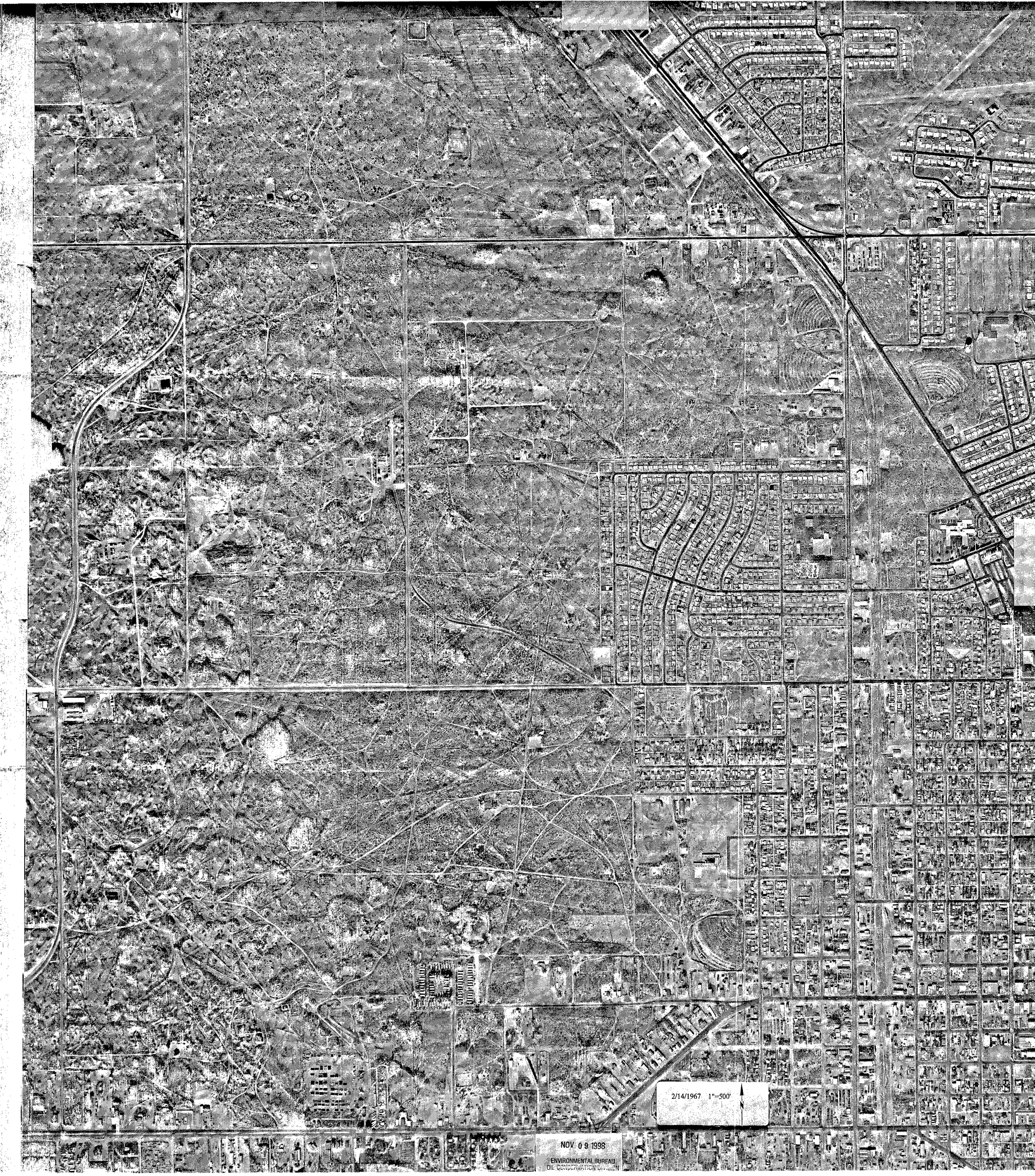
SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 9/8/98	Drawing Number D-847
DATE BEGIN: 5/11/98	DATE: 8/13/98	FILE NAME: 07387ASK	FIGURE 13
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=10'	


RECE
NOV 0 9 199
ENVIRONMENTAL
OIL CONSERVATION
S C 23
DATE HOTOGRAPHY 7 2 98
NOMINAL AI 1 200'

RECEIVED
NOV 09 1998
ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

1998 1" = 200'

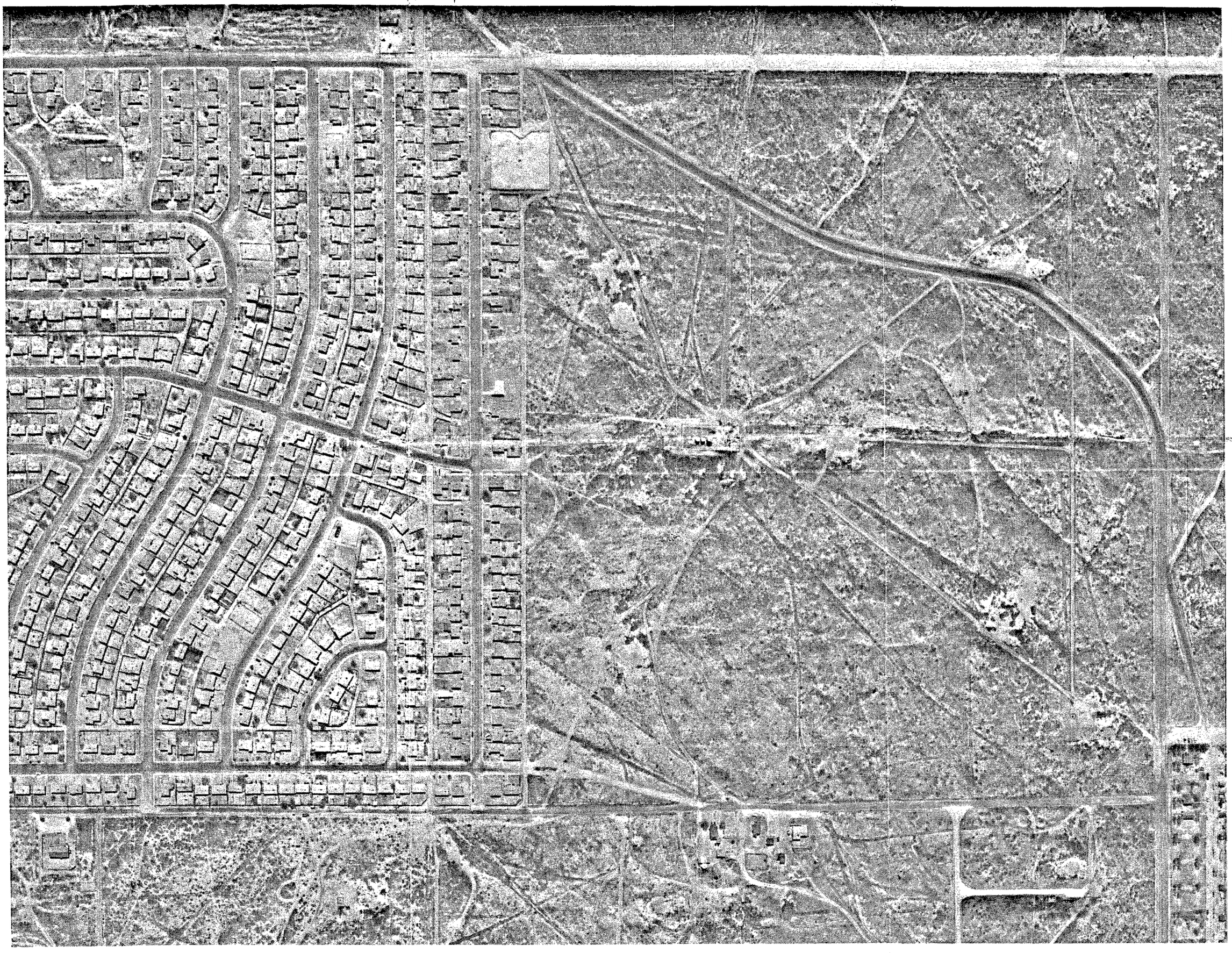




2/14/1967 1"=500'

N

1964 1" = 200'



2/7/1949 1"=416'

N

RECEIVED

NOV 06 1998

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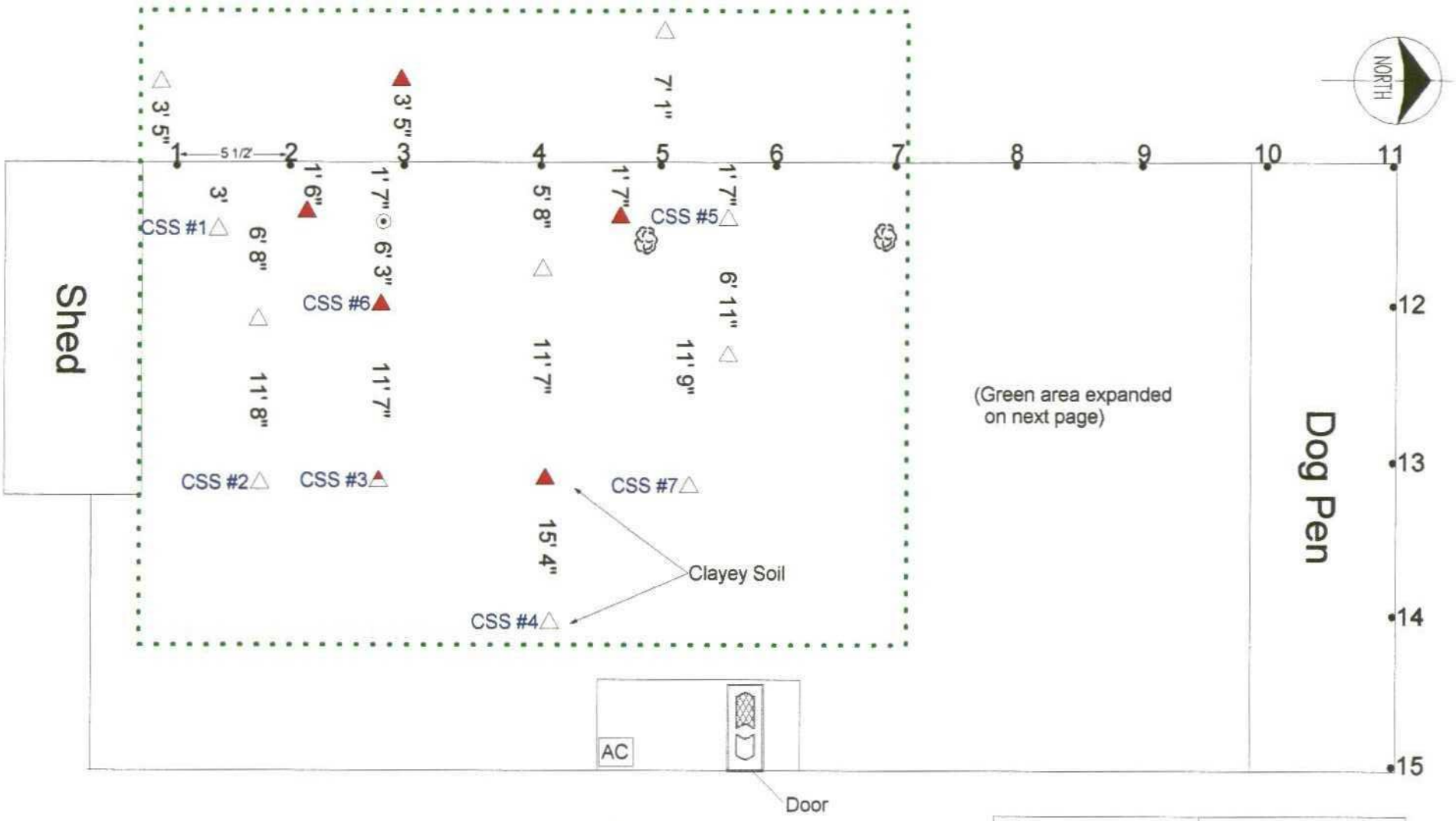
OIL CONSERVATION DIVISION

Appendix I

Aerial Photographs



Casey Home
(Backyard)

△ No Hydrocarbons	CSS = Sample Point
▲ Hydrocarbons	#1 - TPH, BTEX
⊙ OCD Sample Site	#2 - TPH, BTEX
• Fence Post	#3 - TPH, BTEX
Bush	#4 - TPH, BTEX
	#5 - TPH, BTEX
	#6 - Full Suite of Tests
	#7 - TPH, BTEX

Measurements = Distance from boring to fence

Average Depth of Boring = 3 feet

Depth of Hydrocarbon Layer = 8-12 inches from Surface

Average Hydrocarbon Layer Thickness = 1-2 inches

Casey House Assessment
(Backyard)
Hand Auger Boring Map
7/28/98

Figure 6

BBC INTERNATIONAL
Hobbs, New Mexico
(505) 397-6388