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STAGE 1 & 2 REPORTS

DATE:
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WESTGATE SUBDIVISION, GRIMES BATTERY and TASKER ROAD

STAGE 1 ABATEMENT PLAN REPORT (SITE ASSESSMENT INVESTIGATION)

July 1999

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ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

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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 site also includes undeveloped property extending approximately 400 feet west of Cobb Drive. 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. 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).

2.0 SITE HISTORY

The Grimes lease is an oil production property that has been in operation since the late 1920's. It consists of producing wells, tank batteries, and associated flowlines. The Grimes #7 and Grimes #8 wells (**Figure 1**) were drilled in the 1940's and plugged and abandoned in 1953. According to plugging reports on file with NMOCD, the wells were plugged according to NMOCD regulations.

Oil and saltwater were produced from wells on this lease and transported by flowlines to the Grimes Battery. Prior to decommissioning of the Grimes Battery in 1993, produced oil from the battery was transported south in a pipeline owned by Shell Pipeline. The pipeline terminates at the former battery location. It is unknown how many flowlines were present on the lease or their locations.

2.1 WESTGATE SUBDIVISION

The Westgate Subdivision 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 that extends approximately 400 feet west of Cobb Street.

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. A total of 268 soil vapor samples were collected at a depth of five feet below ground surface. 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. Soil gas analytical results are included in the report prepared by Philip Services Corporation/BBC International, Inc. November 1998 entitled *Westgate Subdivision, Grimes Battery and Tasker Road Stage 1 Abatement Plan Interim Report (Site Assessment Investigation)*.

Additional field activities were conducted in the Westgate Subdivision during the period of July 27, 1998, through October 7, 1998. The backyard and the front yard of the residence located at 1341 North Cobb Street 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.

Seven samples collected from the backyard and one sample collected from the front yard of the residence located at 1341 North Cobb Street were submitted for laboratory analysis. The area north of the tank battery, where stained soil was observed, was investigated to delineate the horizontal and vertical extent of organic and inorganic constituents by trenching with a backhoe. Three boreholes (GSB-5, GSB-6, and GSB-7) were drilled at this location. The organic and inorganic analytes detected in the samples are consistent with those compounds found in association with oil and gas production activities and with naturally occurring analytes.

TPH concentrations ranged from not detected to 460 mg/L. Benzene and toluene were not detected in any of the samples. Ethylbenzene was detected in one sample (GSB-7, 33-35') at a concentration of 0.433 mg/kg. Xylenes were detected in two samples (GSB-6, 18-20' and GSB-7, 33-35') at concentrations of 0.162 mg/kg and 0.2.42 mg/kg, respectively. BTEX was not detected in any of the samples collected from the residence located at 1341 North Cobb Street.

No pesticides, chlorinated compounds, polycyclic aromatic hydrocarbons (PAHs), or semi-volatile compounds (SVOCs) were detected. Metals identified in the samples include barium, nickel, zinc, aluminum, iron, manganese, copper, cadmium, chromium, lead, silver, selenium, and arsenic. Minor concentrations of radium 226 or radium 228 were detected in some of the samples below the naturally occurring radioactive material (NORM) standard of 30 picocurries per gram (pCi/gm). Sample locations and laboratory analytical results are included in the November 1998 report entitled *Westgate Subdivision, Grimes Battery and Tasker Road Stage 1 Abatement Plan Interim Report (Site Assessment Investigation)*.

2.2 GRIMES BATTERY

The Grimes Battery 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 was 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 (TMW-1) and a monitor well (MW-1) at the former battery site.

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. 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. Phenols were analyzed using a wet chemistry method which may have detected phenols as a result of interference from other compounds present in the sample. The wet chemistry method analyzes the gross total of phenolic compounds, and may result in a false-positive detection of phenols as a result of interference. No individual phenols were detected in later samples using gas chromatography/ mass spectrometry (GC/MS). GC/MS is a more accurate method in that the method looks for individual peaks of each phenolic compound.

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

Eleven boreholes (GSB-1 through GSB 11) and ten monitor wells (GMW-1 through GMW-10) were placed in the area of the Grimes Battery excavated former pit during the period of July 27, 1998, through October 7, 1998. TPH concentrations ranged from not detected to 11,900 mg/kg. PAHs (1-methylnaphthalene and 2-methylnapthalene) were detected in one sample. Total phenols were detected in some of the samples. Phenols were analyzed using a wet chemistry method, which may have detected phenols as a result of interference from other compounds present in the sample. The wet chemistry method analyzes for the gross total of phenolic compounds, and may result in a false-positive detection of phenols as a result of interference. No individual phenols were detected in samples using gas chromatography/mass spectrometry (GC/MS). GC/MS is a more accurate method in that the method looks for individual peaks of each phenolic compound.

No chlorinated compounds were detected. With the exception of BTEX, no volatile organic compounds were detected. Metals identified in the samples include barium, nickel, zinc, aluminum, iron, manganese, copper, cadmium, chromium, lead, silver, selenium, and arsenic. Minor concentrations of radium 226 or radium 228 were detected in some of the samples below the naturally occurring radioactive material (NORM) standard of 30 pCi/gm.

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 organic and inorganic analytes detected in the samples are consistent with those compounds found in association with oil and gas production activities and with naturally occurring analytes.

Analytical results and details of assessment activities can be found in the reports prepared by Philip Services Corporation entitled *Grimes Battery Soil and Groundwater Assessment Report* and *Westgate Subdivision, Grimes Battery and Tasker Road Stage 1 Abatement Plan Interim Report (Site Assessment Investigation)*.

2.3 TASKER ROAD

The Tasker Road 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 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. 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. 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 below the NORM standard of 30 picocurries per gram.

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 with naturally occurring analytes.

In addition to the sampling performed at this site, the area was trenched with a backhoe in an effort to identify the horizontal extent of the asphaltic material. Analytical results and details of assessment activities can be found in the report prepared by Philip Services Corporation entitled *Tasker Road Site Assessment Report.*

Thirteen boreholes (TSB-1 through TSB-13) and three monitor wells (TMW-1 through TMW-3) were installed at the Tasker Road site during the period of July 27, 1998 through October 7, 1998 in order to identify the horizontal and vertical extent of organic and inorganic constituents. The locations were selected based on field observations concerning the edge of the asphaltic material, and on the proximity of the proposed sample location to the residential foundation.

TPH concentrations ranged from not detected to 67,000 mg/kg. No pesticides or chlorinated compounds were detected. PAHs (naphthalene, 1-methylnapthalene, 2-methylnapthalene, flourene, and phenanthrene) were detected in some of the samples. Benzo-a-pyrene was detected in one sample, and total phenols were detected in some of the samples. Phenols were analyzed using a wet chemistry method, which may have detected phenols as a result of interference from other compounds present in the sample. The wet chemistry method analyzes the gross total of phenolic compounds, and may result in a false-positive detection of phenols as a result of interference. GC/MS (which was not used) is a more specific method that looks for individual target phenols, which are identified according to their characteristic mass spectra and quantitated using the individual phenols as standards.

Metals identified in the samples include barium, nickel, zinc, aluminum, iron, manganese, copper, cadmium, chromium, lead, silver, selenium, and arsenic.

The organic and inorganic analytes detected in the samples are consistent with those compounds found in association with oil and gas production activities and with naturally occurring analytes.

Analytical results and details of assessment activities can be found in the report prepared by Philip Services Corporation/BBC International, Inc. entitled *Westgate Subdivision, Grimes Battery and Tasker Road Stage 1 Abatement Plan Interim Report (Site Assessment Investigation)*.

2.4 TASKER AND GRIMES GROUNDWATER

Results of the groundwater sampling conducted in the Westgate Subdivision (including the Grimes Battery and Tasker Road sites) during the period of July 27, 1998 through October 7, 1998 indicate that iron, aluminum, fluoride, manganese (three samples), cobalt (one sample), and chromium (two samples) were detected in unfiltered 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. Phenols were analyzed using a wet chemistry method which may have detected phenols as a result of interference from other compounds present in the sample. The wet chemistry method analyzes the gross total of phenolic compounds, and may result in a false-positive detection of phenols as a result of interference.

Later samples were analyzed using gas chromatography/mass spectrometry (GC/MS) and no target phenols were detected. GC/MS is a more specific method that looks for individual target phenols, which are identified according to their characteristic mass spectra and quantitated using the individual phenols as standards.

No other organic compounds analyzed were detected above 20 NMAC 6.2 3-103 standards. 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* and *Westgate Subdivision, Grimes Battery and Tasker Road Stage 1 Abatement Plan Interim Report (Site Assessment Investigation)*.

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, sandstone, 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. The groundwater gradient at the site is to the east (**Figure 2**).

Depth to groundwater at the subject site is approximately 65 feet bgs. Groundwater elevations measured in sixteen monitor wells are shown in **Figure 2** and **Table 1**.

Subsurface geology in the subject area consists of predominantly tan, fine-grained sandstone with minor amounts of red interbedded hard sandstone and limestone. Boring lithology logs are included in this report in **Appendix I**. Geologic cross sections are included in **Appendix II**.

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 X 0.73 (feet)	CORRECTED GROUNDWATER (feet)
GMW-1	3647.84	2/11/99	68.42	67.72	0.51	3579.93
GMW-2	3648.51	2/11/99	67.58	ND	0.00	3580.93
GMW-3B	3648.26	2/11/99	68.06	67.75	0.23	3580.43
GMW-4	3647.79	2/11/99	67.25	ND	0.00	3580.54
GMW-5	3648.41	2/11/99	70.97	68.48	1.82	3579.26
GMW-6	3648.22	2/11/99	68.31	ND	0.00	3579.91
GMW-7	3644.98	2/11/99	65.80	ND	0.00	3579.18
GMW-8	3645.66	2/11/99	66.35	ND	0.00	3579.31
GMW-9	3646.27	2/11/99	66.48	Sheen	Sheen	3579.79
GMW-10	3645.65	2/11/99	64.45	ND	0.00	3581.20
GMW-11	3644.07	2/11/99	63.81	ND	0.00	3580.26
TMW-1	3646.18	2/11/99	67.37	ND	0.00	3578.87
TMW-2	3643.94	2/11/99	65.41	ND	0.00	3578.53
TMW-3	3643.50	2/11/99	64.99	ND	0.00	3578.51
TMW-4	3643.69	2/11/99	65.89	ND	0.00	3577.80
TMW-5	3643.35	2/11/99	65.69	ND	0.00	3577.66

ND=Not Detected in Monitor Well

4.0 FIELD ACTIVITIES and METHODOLOGY

Field activities were conducted during the period of January 25, 1999 through March 1, 1999. Field activities included a soil vapor survey, drilling and soil sampling of 13 boreholes, drilling of 3 monitor wells, sampling of 16 monitor wells, free product removal from one monitor well, and assessment-remediation of soils. All field activities were performed in accordance with the Stage 1 Abatement Plan (Site Assessment Investigation) as modified and approved by the NMOCD January 22, 1999. A description of field activities by Task, as proposed in Shell's Assessment Workplan submitted to NMOCD January 14, 1999, is found below in **Sections 4.1-4.14**. Photographs of field activities are included in **Appendix III**.

4.1 TASK 1, FREE PRODUCT REMOVAL

Monitor well GMW-5 was bailed daily for ten days to determine the recharge rate of free product hydrocarbons. Based on the ten-day free product recharge rate, a hydrocarbon recovery program was implemented. The free product recovery continued until the hydrocarbons were no longer recoverable with a bailer. The recovered product was disposed of at Sundance Services in Eunice, New Mexico.

4.2 TASK 2, NORTH OF GRIMES BATTERY ASSESSMENT-REMEDIATION

Soils containing organic constituents north of the former Grimes Battery were assessed, excavated, and disposed of at Sundance Services in Eunice, New Mexico. The area of excavation and sample locations are shown in **Figure 3**.

Three individual discrete soil samples (GBN-1, GBN-2 and GBN-3) were collected prior to excavation of soils (**Figure 3**). The samples were selected from sample locations identified as representing highest observed organic constituent concentrations based on field observation (odor, visible staining, and PID readings). The samples were submitted for total petroleum hydrocarbons (USEPA Method 418.1) and for compounds listed in 20 NMAC 6.2 3103 and 1101. 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. Analytical results are included in **Table 2 and Appendix IV**.

The assessment work was performed by excavation with a loader to determine the vertical and horizontal extent of organic constituents. Assessment and excavation continued until no visible hydrocarbons and no PID readings were observed. Following removal of the visual and field measured extent of organic constituents, three confirmation soil samples (GBN-5, GBN-6 and GBN-7) were collected from the same locations as the initial samples. The confirmation samples were submitted to Trace Analysis, Inc. in Lubbock, Texas and analyzed for the compounds that were found in the initial samples. Analytical results are included in **Table 2 and Appendix IV**.

4.3 TASK 3, SOUTH OF GRIMES BATTERY ASSESSMENT-REMEDIATION

Soils containing organic constituents south of the former Grimes Battery were assessed, excavated, and disposed of at Sundance Services in Eunice, New Mexico. The area of excavation and sample locations are shown in **Figure 3**.

Three individual discrete soil samples (GBS-1, GBS-2 and GBS-3) were collected prior to excavation of soils. The samples were selected from sample locations identified as representing highest observed organic constituent concentrations based on field observation (odor, visible staining, and PID readings). The samples were submitted for analysis for total petroleum hydrocarbons (USEPA Method 418.1), BTEX, Metals, and chlorides. Analytical results are included in **Table 2 and Appendix IV**.

The assessment work was performed by excavation with a loader to determine the vertical and horizontal extent of organic constituents. Assessment and excavation continued until no visible hydrocarbons and no PID readings were observed. Following removal of the visual and field measured extent of organic constituents; three confirmation soil samples (GBS-4, GBS-5 and GBS-6) were collected from the same locations as the initial samples. The confirmation samples were submitted to Trace Analysis, Inc. in Lubbock, Texas and analyzed for the compounds that were found in the initial samples. Analytical results are included in **Table 2 and Appendix IV**.

4.4 TASK 4, 1341 COBB DRIVE RESIDENCE ASSESSMENT

Two soil borings (GSB-16 and GSB-17) and one monitor well (GMW-11) were installed to the south and east of the residence located at 1341 Cobb Drive (**Figure 3**).

The sampling protocol consisted of sampling every five feet until zero PID readings with a minimum depth of 40 feet below ground surface (bgs). Lithology logs are included in **Appendix I.** Each of the boreholes were terminated at a depth of 40 feet bgs. The 3-5 foot bgs sample and the sample collected from the bottom of the boring was submitted for analysis for total petroleum hydrocarbons (USEPA Method 418.1) and for compounds listed in 20 NMAC 6.2 3103 and 1101. Laboratory analysis of these compounds will be performed using USEPA methods 8260, 8270, 8080, 8081A, 150.1, 160.1, 200.7, 245.1, 335.2, 340.2, and 353.3.

The monitor well was 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 V.**

4.5 TASK 5, EAST OF TASKER ROAD ASSESSMENT

Four soil borings (TSB-16, TSB-17, TSB-18, and TSB-19) and two monitor wells (TMW-4 and TMW-5) were installed East of Tasker Road (**Figure 3**).

The sampling protocol consisted of sampling every five feet until zero PID readings with a minimum depth of 20 feet. Lithology logs are included in **Appendix I.** Soil samples representing the highest PID reading and bottom of the boring were submitted for total petroleum hydrocarbons (USEPA Method 418.1) and for compounds listed in 20 NMAC 6.2 3103 and 1101. Laboratory analysis of these compounds will be performed using USEPA methods 8260, 8270, 8080, 8081A, 150.1, 160.1, 200.7, 245.1, 335.2, 340.2, and 353.3.

The 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 V**.

4.6 TASK 6, SOUTHWEST AREA OF SUBJECT PROPERTY

In Shell's letter dated January 14, 1999 and approved by NMOCD January 22, 1999, Shell proposed drilling and sampling one borehole in the area between soil vapor sample points SV-24 and SV-239. Research indicates that two pipelines are present in the area, one operated by Shell Pipeline Company, and one operated by Rice Operating Company. NMOCD agreed that these pipelines are not within the scope of work of the subject Stage I Abatement Plan, and therefore this task was not performed.

4.7 TASK 7, SOUTHEAST AREA OF SUBJECT PROPERTY

Soil vapor survey activities were conducted in an area where TPH was detected by the prior (July and August, 1998) soil vapor analysis. The soil vapor sample locations are sample point SV-111 and approximately 50 feet north and south of SV-111 (**Figure 4**). 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.

4.8 TASK 8, COBB DRIVE

Soil vapor survey activities were conducted in the area where TPH was detected by the prior (July and August, 1998) soil vapor analysis. The soil vapor sample locations are sample point SV-164 and approximately 50 feet north and south of SV-164 (**Figure 4**). The samples were analyzed in the field using a mobile laboratory for Volatile Aromatic and Halogenated Hydrocarbons, (14 Analytes, EPA Method 8021) TPH, Methane, Ethane, Propane, Butane, Pentane, and Hexane (EPA Method 8015 modified). Soil gas analytical results are discussed below in Section 5.1.

4.9 TASK 9, COBB DRIVE

Soil vapor survey activities were conducted in the area where TPH was detected by the prior (July and August, 1998) soil vapor analysis. The soil vapor sample locations are sample point SV-182 and approximately 50 feet north and south of SV-182 (**Figure 4**). 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.

4.10 TASK 10, EAST OF TASKER ROAD

Soil vapor survey activities were conducted in the area where TPH was detected by the prior (July and August 1998) soil vapor analysis. The soil vapor sample locations are sample point SV-187 and approximately 50 feet north and south of SV-187 (**Figure 4**). The samples were analyzed in the field using a mobile laboratory for Volatile Aromatic and Halogenated Hydrocarbons, (14 Analytes, EPA Method 8021) TPH, Methane, Ethane, Propane, Butane, Pentane, and Hexane (EPA Method 8015 modified). Soil gas analytical results are discussed below in Section 5.1.

4.11 TASK 11, MONITOR WELL GMW-9

Four soil borings (GSB-12, GSB-13, GSB-14 and GSB-15) were drilled and sampled in the area adjacent to GMW-9. The sample locations are approximately 50 feet northeast, northwest, southeast, and southwest of GMW-9 (**Figure 3**). Soils were sampled at five-foot intervals and screened in the field for volatile organic constituents with a photoionization detector (PID). The boreholes were installed to a minimum depth of 20 feet below ground surface. The sample collected 8-10 feet bgs and the sample collected at total depth of the borehole was submitted for analysis for TPH using USEPA Method 418.1, BTEX (USEPA Method 8260), and metals (USEPA Method 6010).

4.12 TASK 12, DELINEATION OF WESTERN EXTENT OF TASKER ROAD PIT

One soil boring (TSB-15) was drilled approximately forty feet west of TSB-12 (**Figure 3**). Soils were sampled at five-foot intervals and screened in the field for volatile organic constituents with a photoionization detector (PID). The boreholes were installed to a minimum depth of 20 feet below ground surface or until PID readings were zero. The sample exhibiting the highest PID reading and the sample collected at total depth of the borehole was submitted for analysis for TPH using USEPA Method 418.1 and BTEX using USEPA Method 8260.

4.13 TASK 13, METALS BACKGROUND SAMPLES

Three surface soil samples (BCKG-1, BCKG-2, and BCKG-3) were collected and analyzed for metals using USEPA Method 6010 to identify a range of metal background concentrations in the subject area. The samples were collected from a depth of 0-1 foot bgs. The sample locations are shown in **Figure 5**.

4.14 TASK 14, SAMPLING OF MONITOR WELLS

The thirteen existing monitor wells (GMW-1 through GMW-10, TMW-1 through TMW-3) and three new monitor wells (GMW-11, TMW-4, and TMW-5) located at the subject site (**Figure 3**) were sampled from February 11, 1999 through February 16, 1999. A groundwater sample from each of the existing monitor wells was collected and submitted for analysis for BTEX, phenol,

polycyclic aromatic hydrocarbons (PAH), and metals using USEPA Methods 8260, 5520, 8270, and 6010, respectively. A groundwater sample from each of the new wells was collected and submitted for 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 were 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.

4.15 TASK 15, ADDITIONAL SOIL VAPOR SURVEY AND SAMPLING

As requested by NMOCD, additional soil vapor survey and soil sampling activities were performed at the site. These activities were performed in accordance with the Stage I Abatement Plan Modification workplan submitted to NMOCD on May 5, 1999, and approved by NMOCD on May 11, 1999. Soil vapor survey activities consisted of collection and analysis of soil samples around the residences located at 1326, 1328,and 1330 Tasker drive and 1341 Cobb Drive (**Figure 4**). Samples were collected at each sample location from a depth of approximately 1, 3, 5, and 10 feet bgs. One additional soil vapor sample was taken from under the foundation at each sample location. The samples were analyzed in the field using a mobile laboratory for Volatile Aromatic and Halogenated Hydrocarbons, (14 analytes, EPA Method 8021) TPH, Methane, Ethane, Propane, and Hexane (EPA Method 8015 modified). Soil gas analytical results are discussed below in Section 5.1.

Near-surface soil samples were collected from the backyards of the residences located at 1326, 1328, and 1330 Tasker Drive (**Figure 3**). Soil samples were collected at a spacing of approximately 5-10 feet (dependent on obstructions in the backyards) and at a depth of 6-8 inches bgs. The samples were screened in the field for volatile organic constituents with a PID and were visually inspected for the presence of stain and odor. Two samples, the sample exhibiting the highest PID reading and the sample exhibiting the highest degree of staining, were submitted for analysis for TPH, aromatic volatile organics, halogenated volatile organics, PAH, and metals as requested by NMOCD. Sample results are discussed in Section 5.2.

5.0 LABORATORY ANALYTICAL RESULTS

All soil and groundwater samples were submitted for laboratory analysis to Trace Analysis, in Lubbock, Texas. Analytical results for soil, groundwater, and soil vapor survey samples are shown in **Tables 2 through 5.** Laboratory analytical results for soil samples are included in **Appendix IV**. 1999 groundwater laboratory analytical results and a summary table of 1998 groundwater analytical results (discussed in **Section 4)** are included in **Appendix VI**. The soil boring identified on chain-of-custody records and analytical results as TSB-14 has been renamed in this report and for future reference as TMW-4. All sampling and analyses were performed in accordance with the standards outlined in 20 NMAC 6.3107 B.

5.1 SOIL VAPOR SURVEY ANALYTICAL RESULTS

Soil vapor survey analytical results are summarized in **Table 3,** and QA/QC, chain-of-custody, and field log documentation are included in this report in **Appendix VII**.

Of the 103 soil vapor samples collected and analyzed February and May 1999, (**Figure 4**) greater than 93% of the 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. Ethane was detected in 19 samples at concentrations ranging from 1-10 parts per million (PPM). Propane was detected in 4 samples at concentrations ranging from 1-5 PPM. Hexane was detected in one sample at a concentration of 1 PPM.

TPH was detected in four samples (SV-249, SV-250, TN and TS) collected from near an evergreen tree at concentrations ranging from 2-41 PPM. TPH was detected in 8 samples collected near the foundations of the residences located at 1328 and 1330 Tasker Drive and 1341 Cobb drive. TPH concentrations range from 1-95 PPM. No benzene or toluene was detected. Ethylbenzene was detected in one sample (SV-286) collected from the west side of 1328 Tasker Drive at a concentration of 0.001 mg/L. Xylenes were detected in two samples, (SV-286, collected from the west-side of 1328 Tasker Drive and SV-323, collected from the north side of 1328 Tasker Drive) at concentrations of 0.008 mg/L and 0.002 mg/L, respectively.

5.2 SOIL SAMPLE ANALYTICAL RESULTS

Soil sample analytical results are summarized in **Table 2**. Laboratory analytical results, QA/QC, and chain-of-custody documentation for the samples collected in analyzed in February and May, 1999 are included in **Appendix IV**. Soil boring identified on chain-of-custody records and analytical results as TSB-14 has been renamed in this report and for future reference as TMW-4.

TPH and BTEX analytical results are shown on **Figures through 6-13** (Isopleth Maps). TPH concentrations in the twenty-nine split-spoon soil samples collected in February 1999, and six hand auger samples collected in May 1999 range from not detected to 17,200 milligrams per kilogram (mg/kg). Total BTEX concentrations in the samples collected in February and May 1999 range from not detected to 25.9 mg/kg.

Phenanthrene was detected in two samples (TMW-4 40-42' and TSB 16 18-20') at a concentration of 1.94 mg/kg and 3.7 mg/kg, respectively. Naphthalene was detected in two samples (TMW-4 40-42' and TSB 16 18-20') at a concentration of 3.6 mg/kg and 7.0 mg/kg respectively. 1-methylnaphthalene was detected in two samples (TMW-4 40-42' and TSB 16 18-20') at a concentration of 9.6 mg/kg and 17 mg/kg, respectively. 2-methylnaphthalene was detected in two samples (TMW-4 40-42' and TSB 16 18-20') at a concentration of 7.9 mg/kg and 19 mg/kg, respectively. Pyrene was detected in one sample, TSB-42, 6-8 inches bgs, at a concentration of 1.9 mg/kg. Total Phenols were detected in eight samples at concentrations

ranging from 0.609 mg/kg to 12.4 mg/kg. Phenols were analyzed using a wet chemistry method, which may have detected phenols as a result of interference from other compounds present in the sample. The wet chemistry method analyzes the gross total of phenolic compounds, and may result in a false-positive detection of phenols as a result of interference. No individual phenols were detected in samples using gas chromatography/ mass spectrometry (GC/MS). GC/MS is a more accurate method in that the method looks for individual peaks of each phenolic compound.

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 with naturally occurring substances.

Three surface soil samples were collected to identify a range of background metals concentrations. **Table 7** is a summary of laboratory analytical results for metals. Included in the table are the range of concentrations of metals detected at the subject site, the background concentrations for metals at the subject site, background concentrations for Western US soils, typical elemental composition of soils.

Post-excavation samples were collected at each of the excavated assessment/remediation areas (**Figure 3**) and analyzed for the compounds detected in the initial samples collected prior to excavation. Analytical results indicate that one sample (GBN-6) collected from the north excavation exhibited a TPH concentration of 87.8 mg/kg. BTEX and phenols were not detected in the samples. Two samples (GBS-4 and GBS-5) collected from the south excavation exhibited TPH concentrations of 730 mg/kg and 419 mg/kg, respectively.

At NMOCD's request, soil-boring GSB-18 was installed to a depth of five feet below ground surface (bgs) and a sample was collected from a depth of 4-5 feet bgs. This sample was collected to confirm that TPH concentrations found in the vicinity of soil vapor sample location 164 was not representative of hydrocarbon contamination from oilfield activities, but rather likely occur as a result of the presence of terpenes associated with an evergreen tree at that location. Terpenes are unsaturated, biodegradable hydrocarbons derived from coniferous and citrus plants. No TPH or BTEX was detected in the sample.

In addition to the soil sample analytical results discussed previously and shown in **Table 2**, soil sample results in **Table 4** represents re-sampling of soil samples that were anlayzed past holding times in October 1998. All samples that were analyzed past the method holding time were resampled and analyzed for the analytes exceeding the holding time.

Two additional soil sampling activities outside the scope of the Stage I Abatement Plan (Site Assessment Investigation) as approved and modified by NMOCD January 22, 1999 were performed at the site. Soil sample laboratory results are included in **Appendix VIII**.

Samples WG-SB1 through WG-SB5 were collected as split-samples at sample locations selected by a firm representing residents who reside or have resided in the vicinity of the Grimes Lease. One sample was collected from the Tasker Road site, one sample was collected from the Grimes Battery Site, and three samples were collected from areas in the Westgate subdivision north of the Grimes Battery Site. NMOCD has requested that the firm provide them with any analytical data and information that may have been collected at the site or in the residential areas.

Sample locations in the vicinity of TSB-7, 2-3 feet bgs and TSB-8, 2-3 feet bgs were sampled and the samples were submitted to the Arthur D. Little Environmental Monitoring and Analysis Unit (ADL). Specialized analyses, not consistent with OCD requested methods, were used in anticipation of the needs of the risk assessment. The samples were analyzed for BTEX (GS/MS), TPH (GC/FID), and PAH's (GC/MS/SIM) in order to obtain detailed analyses for the purpose of preparing the risk assessment. The results were generally consistent with the earlier results for the Tasker Road Site, especially considering that the soil samples were not splits of the original samples.

5.3 GROUNDWATER SAMPLE ANALYTICAL RESULTS

1999 groundwater analytical results are summarized in **Table 5**. Laboratory analytical results, QA/QC, and chain-of-custody reports for the groundwater samples collected and analyzed in February 1999 are included **Appendix VI**. A summary table of groundwater analytical results for samples collected in October 1998 is also included in **Appendix VI**.

Benzene and toluene were **not** detected in any of the groundwater samples. Ethylbenzene was detected in six samples (GMW-1, GMW-3B, GMW-5, GMW-9, TMW-4, and TMW-5) at concentrations ranging from 0.002 milligrams per liter (mg/L) to 0.11 mg/L, below the 20 NMAC 6.2 3-103 standard of 0.75 mg/L. Xylenes were detected in seven of the samples (GMW-1, GMW-3B, GMW-5, GMW-8, GMW-9, TMW-4, and TMW-5) at concentrations ranging from 0.0019 mg/L to 0.599 mg/L, below the 20 NMAC 6.2 3-103 standard of 0.62 mg/L. **Figure 14** is an isopleth map of Total BTEX concentrations detected in the groundwater samples.

Polycyclic Aromatic Hydrocarbons (total napthelene plus monomethylnapthalenes) were detected at a concentration of 0.071 mg/L, above the 20 NMAC 6.2 3-103 standard of 0.03 mg/L in the sample collected from GMW-5. No other organic compounds analyzed were detected above 20 NMAC 6.2 3-103 standards. Flourene was detected in the sample collected from GMW-5 at a concentration of 0.011 mg/L. Phenanathrene was detected in the samples collected from GMW-1, GMW-3B, and GMW-5 at concentrations of 0.004 mg/L, 0.003 mg/L, and 0.022 mg/L, respectively.

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).

The NMOCD was onsite February 11, 1999 to collect groundwater samples in conjunction with the sampling activities described previously. NMOCD collected groundwater samples from monitor wells TMW-3, TMW-4, and GMW-9. The samples were analyzed for BTEX and methyl-t-butyl ether using EPA Method 8021, and Semi-volatile organics using EPA Method 8270B. No semi-volatile organic compounds were detected in any of the samples. No toluene or methyl-t-butyl ether was detected in any of the samples. Benzene was detected in the sample collected from GMW-9 at a concentration of 0.0005 mg/L. Ethylbenzene was detected in the samples collected from TMW-4 and GMW-9 at concentrations of 0.0012 mg/L and 0.0084 mg/L, respectively. Total xylenes were detected in the samples collected from TMW-4 and GMW-9 at a concentration of 0.0029 mg/L and 0.022 mg/L, respectively. No compounds analyzed in the samples collected by NMOCD were detected above 20 NMAC 6.2 3-103 standards. Naturally occurring inorganic analytes (metals, pH, chlorides, fluoride, nitrate, sulfate, TDS, and radium) were detected in the groundwater samples. Fluoride (three samples), manganese (one sample), and nickel (one sample) were detected above 20 NMAC 6.2 3-103 drinking water and irrigation standards. The analytes detected in the samples are consistent with those compounds found in association with oil and gas production activities and with naturally occurring substances.

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

7.1 SOIL

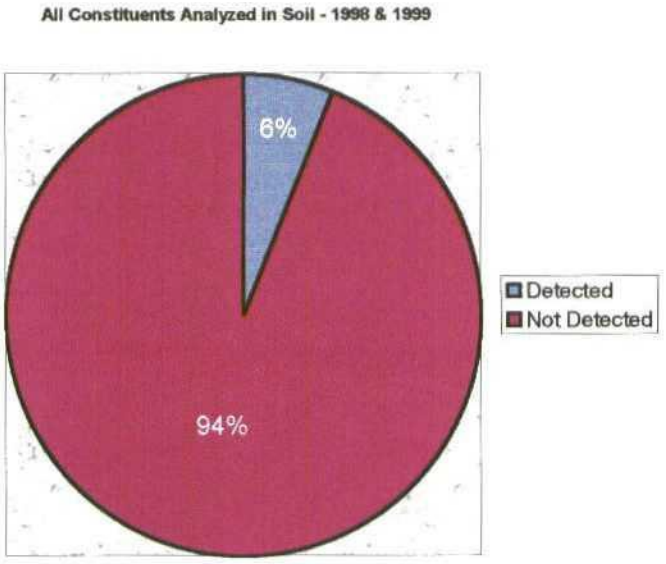
Approximately 3,306 cubic yards of near-surface contaminated soils have been removed from areas north and south of the former Grimes Battery. Approximately 4,260 cubic yards of contaminated soil has been removed from Grimes Battery.

The horizontal and vertical extent of hydrocarbons at the subject site has been investigated. Based on soil vapor survey and soil sampling results, hydrocarbon concentrations in soil appear to be

associated with predominantly two areas: (1) the former Grimes Battery (including both the Battery area and: (2) an area north of the battery where tank bottoms appear to have been spread on the surface) and the former pits (interpreted from aerial photographs) at the Tasker Road site.

TPH concentrations found in the vicinity of soil vapor sample location 164 likely occurred as a result of the presence of terpenes associated with an evergreen tree at that location. Terpenes are unsaturated, biodegradable hydrocarbons derived from coniferous and citrus plants. No TPH or BTEX was detected in the soil sample collected from this location (GSB-18) and submitted for laboratory analysis. Greater than 94% of the soil vapor survey analytes analyzed were not detected (**Figure 15**).

Figure 15
Organic Constituents Detected in Soil Vapor Survey Samples



Hydrocarbon concentrations are TPH, ranging from not detected to 67,000 mg/kg; BTEX, ranging from not detected to 54.5 mg/kg; total phenols, and limited other organic constituents. Phenols were analyzed using a wet chemistry method, which may have detected phenols as a result of interference from other compounds present in the sample. The wet chemistry method analyzes the gross total of phenolic compounds and may result in a false-positive detection of phenols as a result of interference. No individual phenols were detected in later samples using gas chromatography/mass spectrometry (GC/MS). GC/MS is a more accurate method in that the method looks for individual peaks of each phenolic compound.

Table 6 summarizes the organic constituents detected in the soil samples analyzed from the subject site, the number of samples in which each analyte was detected, and the range of concentrations found. Included in **Table 6** are EPA screening goals for each of the constituents.

The screening goals shown in **Table 6** are from USEPA Risk Based Concentration (RBC) Tables unless otherwise noted. Residential Soil values were used for all analytes with the exception of two samples, ethylbenzene (CSS-6, 0-6 inches), and pyrene (TSB-42, 6-8 inches). These were the only volatile organic constituents detected at a depth of 6 inches or less, and RBC Ambient Air values were used for these samples. If RBC concentrations were not available, USEPA Soil Screening Guidance for Residential Soils was used.

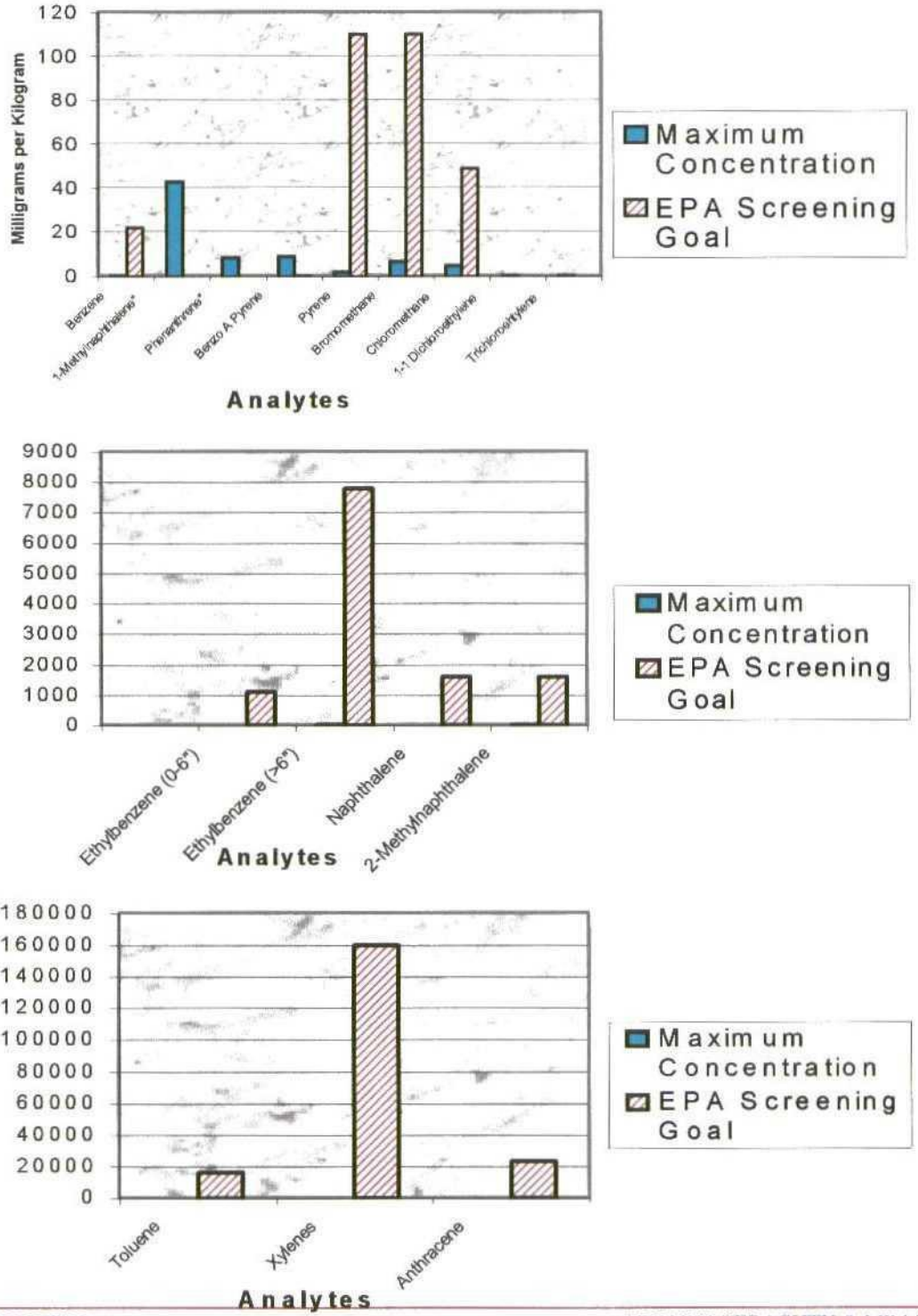
Figure 16 is a histogram that shows the maximum concentration of each organic analyte detected in soil and the USEPA Soil Screening goal. Only one analyte in one sample exceeds EPA screening criteria (benzo-a-pyrene; TMW-3, 23-25 feet bgs). All of the other organic analytes detected in the samples are below EPA criteria. EPA has not established a screening goal for TPH, however, based on preliminary Risk Assessment work performed by Shell, the risk-based screening criteria for TPH at the site is 2,900 mg/kg. This preliminary risk-based value is based on site parameters and measured TPH boiling point distributions, and is calculated using API/GRI spreadsheets. TPH Concentrations in excess of the preliminary risk-based concentration are present in the Grimes Battery and Tasker road areas.

Table 6
Organic Constituents Detected in Soil Samples

Analyte	Number of Samples detected	Range of Concentrations	EPA Screening Goal (1)
Benzene	5	0.057-0.4	22
Ethylbenzene (0-6")	1	0.19	1,100 (2)
Ethylbenzene (>6")	38	0.088-17	7,800
Toluene	14	0.065-10.3	16,000
Xylenes	46	0.026-43.6	160,000
TPH	110	0.11-67,000	Not Available
Total Phenol*	67	0.04-23.4	47,000
Naphthalene	6	3.6-11	1,600
1- Methylnaphthalene	18	1.25-43	Not Available
2-Methylnaphthalene	18	2.2-39	1,600
Flourene	3	0.832-1.8	3,100
Phenanthrene	5	1.94-8.5	Not Available
Anthracene	1	2.97	23,000
Benzo A Pyrene	1	8.81	0.087
Pyrene	1	1.9	110 (2)
Bromomethane	2	0.097-6.6	110
Chloromethane	1	4.8	49
1-1 Dichloroethylene	1	0.37	0.53 (3)
Trichloroethylene	1	0.42	2.7 (3)

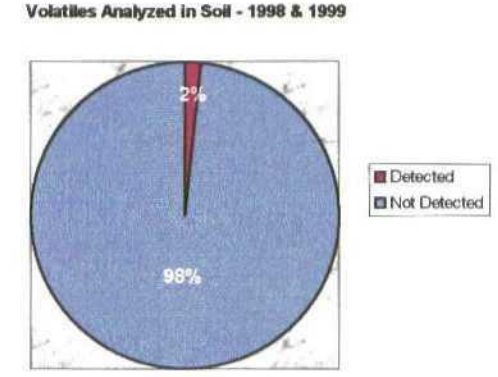
All concentrations are in milligrams per kilogram
*** No individual phenol peaks detected, may be interference from other compounds**
(1) USEPA Risk Based Concentration Table, Residential
NA= Not Available
(2) USEPA Risk Based Concentration Table, Ambient Air
(3) USEPA , Soil Screening Guidance, Residential Soil

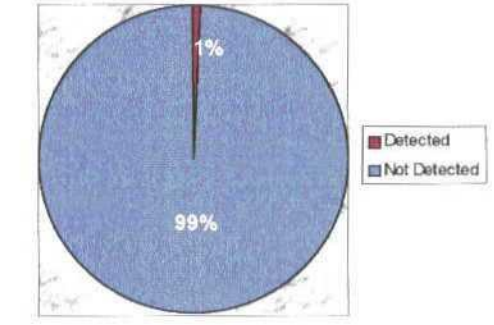
Figure 16
Organic Constituents Detected in Soil



Figures 17 and 18 are pie charts representing the number of analytes detected versus not detected in the soil samples and samples re-sampled and re-run to confirm volatile and semi-volatile laboratory analysis. 98% of volatile analytes analyzed were **not** detected. 99% of semivolatile analytes analyzed were **not** detected. TPH was detected in 39% of the samples.

Figure 17
Organic Constituents in Soil Detected in Soil





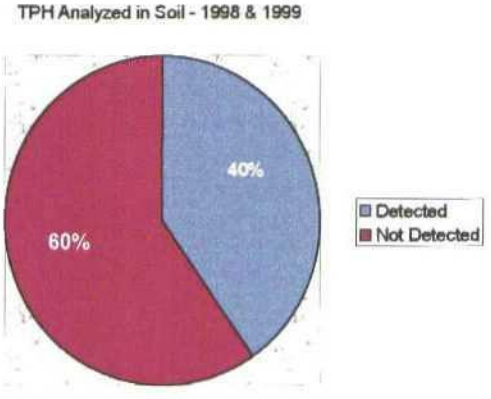
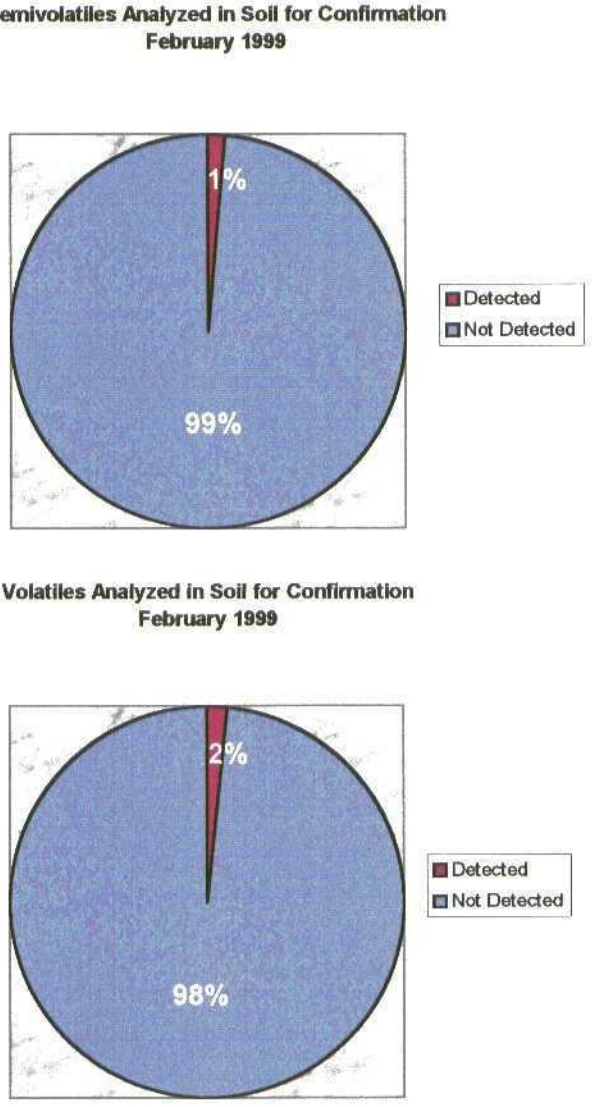


Figure 18
Organic Constituents Detected in Soil Confirmation Samples



Figures **6 through 9** are contour maps of TPH and BTEX concentrations in soils at the Grimes Battery area at depths of 0-5 feet bgs and 50-65 feet bgs. **Figures 10 through 13** are contour maps of TPH and BTEX concentrations in soils at the Tasker Road area at a depth of 0-5 feet bgs and 10-20 feet bgs. These contour maps show the horizontal extent of TPH and BTEX at the indicated depths in the Grimes and Tasker areas.

Contour maps were developed by integrating information obtained from laboratory analysis, aerial photography, cross sections, and field observation (PID readings, odor, and staining). Since (per the NMOCD approved workplan) the soil samples exhibiting the highest PID reading and the

sample collected from total depth of each borehole or monitor well was submitted for laboratory analysis, the sample depth intervals vary throughout the site. Selection of depths to be contoured was based on using highest concentration values and on sample frequency (greatest number of sampled locations per sampling interval). If laboratory analytical results were absent for a borehole or monitor well in the contoured interval, contours were drawn by integrating aerial photography and field observation (PID readings, odor, and staining). The horizontal extent of TPH and BTEX in each of the intervals discussed (following) have been delineated based on non-detect analytical results and field observation (PID readings of zero deflection units, absence of staining and odor).

Figures 6 and 7 depict TPH and BTEX concentrations in the Grimes Battery area at a depth of 0-5 feet bgs. If more than one sample was analyzed from this interval (for example 2-3 feet bgs and 3-5 feet bgs) the analytical results from the shallowest sample was used.

Figures 8 and 9 depict TPH and BTEX concentrations in the Grimes battery area at a depth of 50-65 feet bgs. If more than one sample was analyzed from this interval (for example 53-55 feet bgs and 63-65 feet bgs) the analytical results from the deepest sample was used.

Figures 10 and 11 depict TPH and BTEX concentrations in the Tasker area at a depth of 0-5 feet bgs. If more than one sample was analyzed from this interval (for example 2-3 feet bgs and 3-5 feet bgs) the analytical results from the shallowest sample was used.

Figures 12 and 13 depict TPH and BTEX concentrations in the Tasker area at a depth of 10-20 feet bgs. If more than one sample was analyzed from this interval (for example 13-15 feet bgs and 18-20 feet bgs) the analytical results from the deepest sample was used.

Naturally occurring inorganic analytes (metals, pH, chlorides, fluoride, nitrate, sulfate, TDS, and radium) were detected in the soil samples. The analytes detected in the samples are consistent with those compounds found in association with oil and gas production activities and with naturally occurring substances. Minor concentrations of radium 226 or radium 228 were detected in some of the samples below the NORM standard of 30 picocurries per gram.

Table 7 is a summary of laboratory analytical results for metals. Included in the table are the range of concentrations of metals detected at the subject site, the background concentrations for metals at the subject site, background concentrations for Western US soils, and typical elemental composition of soils. Also included in **Table 7** is EPA guidance criteria for metals in residential soils. **All** of the metals concentrations detected at the subject site are below EPA or background criteria. **Figure 19** is a histogram that shows the maximum concentration of each metal analyte detected in soil and the USEPA Soil Screening goal. Three analytes (arsenic, total chromium, and mercury 0-6 inches bgs) exceed EPA soil screening goals, however, as stated previously, do not exceed background criteria.

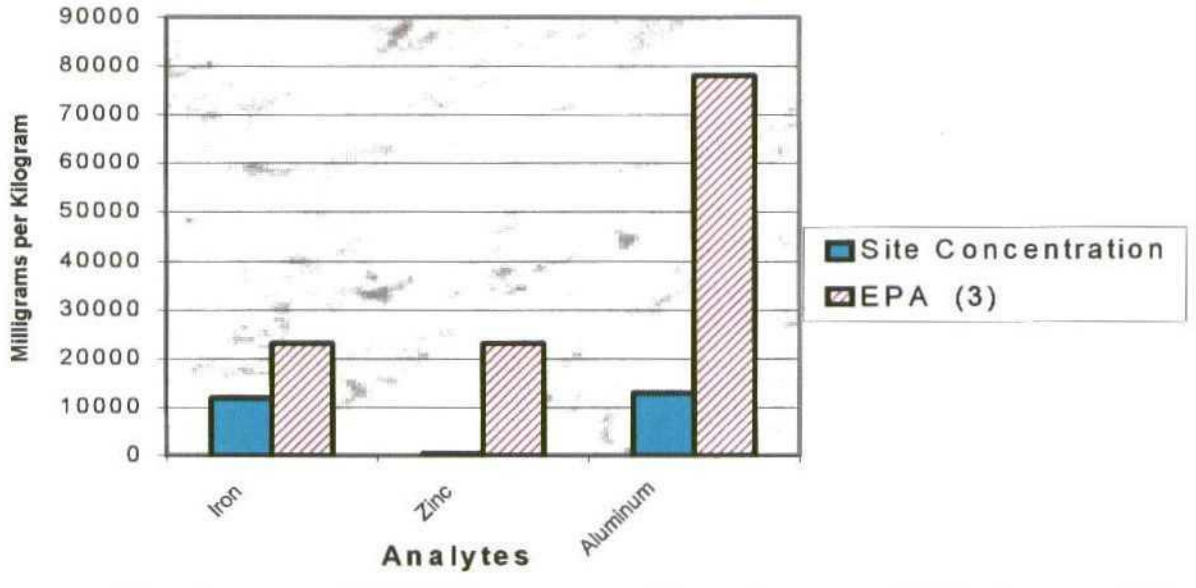
Table 7
Summary of Soil Metal Data and Risk Based Concentration Levels

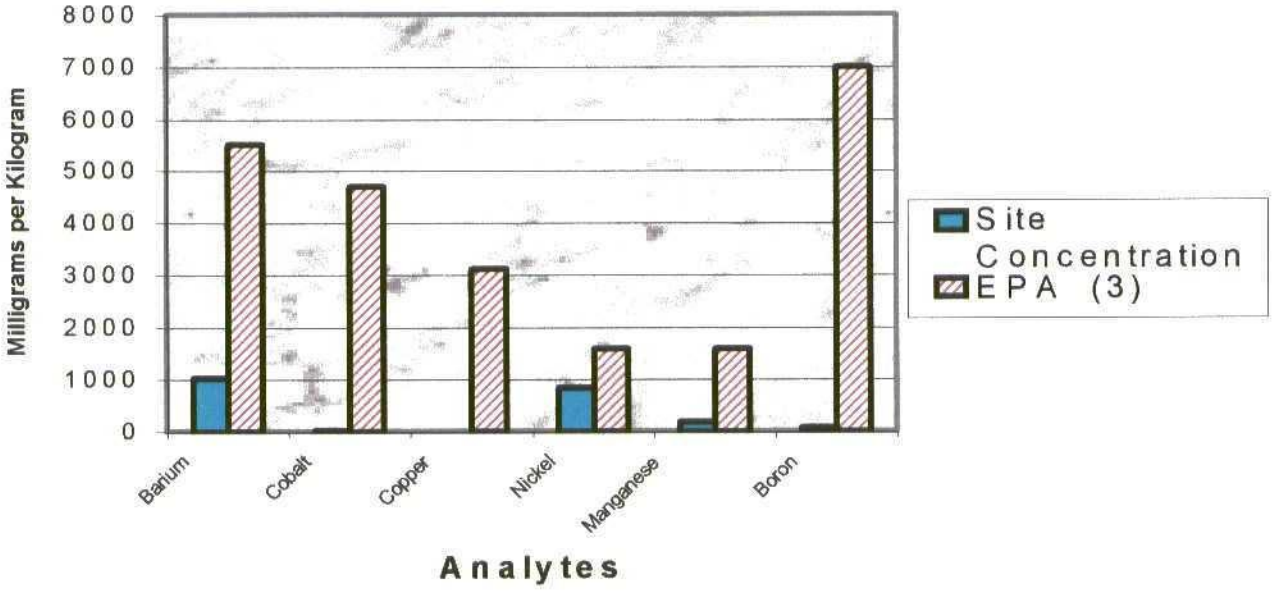
Analyte	Site Concentration	Site Background	USGS Background (1)	EOC Background (2)	EPA (3)
Arsenic	<0.50-7.3	<0.50	<0.1-97	0.1-40	0.43
Barium	<0.50-1,020	106-218	70-5,000	100-3,000	5,500
Cadmium	<0.10-0.61	0.77-0.92	NA	0.01-2	39
Total Chromium	<0.50-244	8.8-13	3-2,000	5-1,500	210 (4)
Cobalt	<0.50-11	6.9-7.3	<3-50	0.05-65	4,700
Copper	<1.0-8.4	8.3-11	2-300	2-250	3,100
Lead	<0.50-92	5.1-14	<10-700	2-300	400 (4)
Mercury (0-6" bgs) Mercury (>6" bgs)	<0.10-0.32 <0.10-0.45	0.12-3.9	<0.01-4.6	0.01-0.5	0.31 22 (4)
Nickel	<0.50-836	26-33	<5-700	2-750	1,600
Selenium	<0.50-3.4	<0.50	<0.1-4.3	0.1-2.0	390
Silver	<0.50-117	24-25	NA	0.01-8	390
Uranium	<5.0	<5.0	0.68-7.9	0.7-9	NA
Iron	<0.50-12,000	6140-7000	0.1->10%	2,000-550,000	23,000
Manganese	1.8-180	130-169	30-5,000	20-10,000	1,600
Zinc	<1.0-350	23-47	10-2,100	1-900	23,000
Boron	<10-78	14-17	<20-300	2-270	7,000
Molybdenum	<1.0-3.7	2.4-2.6	<3-7	0.1-40	390
Aluminum	<10-13,000	6630-8050	0.5->10%	10,000-300,000	78,000

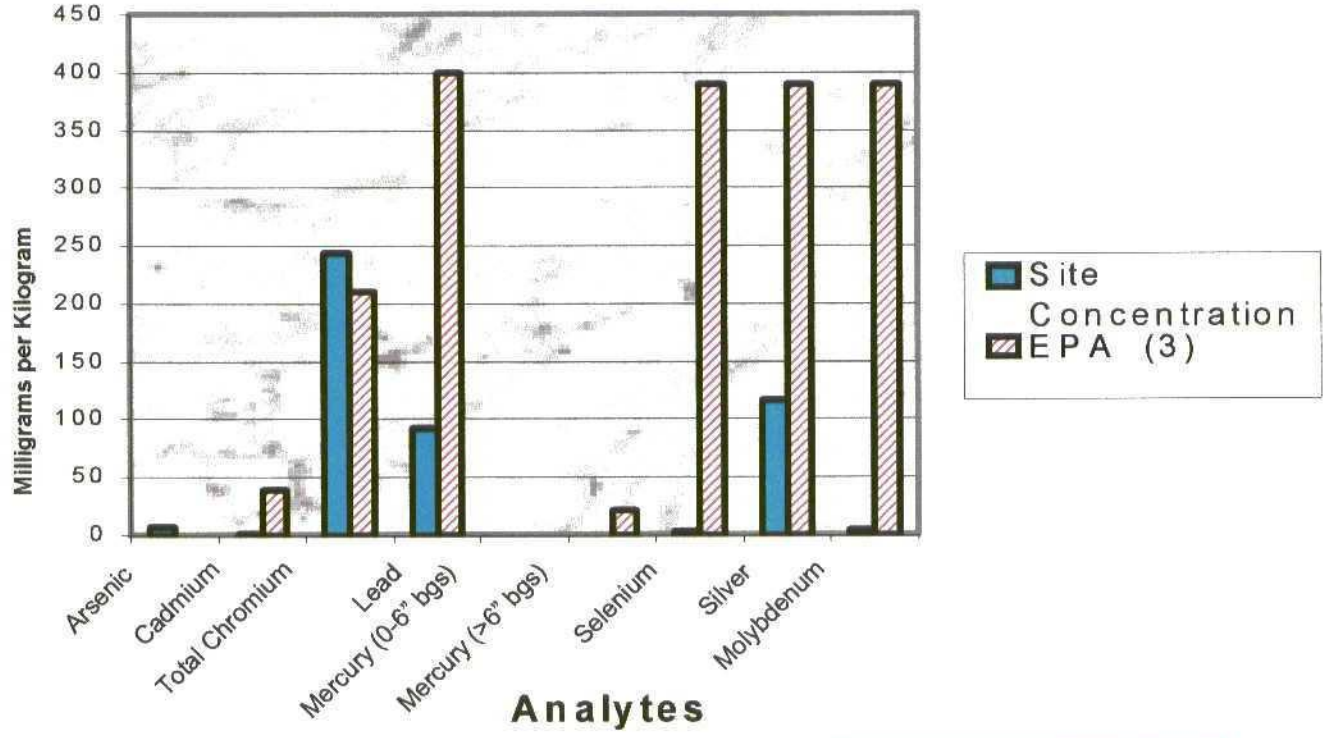
(Units are milligrams per kilogram unless otherwise noted)

(1) Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States (observed range, Western US)
(2) Environmental Organic Chemistry Published by Pergamon Press
(3) USEPA , Risk Based Concentration (RBC) Tables
(4) USEPA, Region 6 Human Health Medium- Specific Screening Levels (used when no RBC values were available)
NA=Not Available

Figure 19
Inorganic Constituents Detected in Soil




8000
7000
6000
5000
4000
3000
2000
1000
0
Milligrams per Kilogram
Barium
Cobalt
Copper
Nickel
Manganese
Boron
Analytes
Site Concentration
EPA (3)


450
400
350
300
250
200
150
100
50
0
Milligrams per Kilogram
Arsenic
Cadmium
Total Chromium
Lead
Mercury (0-6" bgs)
Mercury (>6" bgs)
Selenium
Silver
Molybdenum
Analytes
Site Concentration
EPA (3)

7.2 GROUNDWATER

The groundwater gradient at the subject site is to the east, and the subsurface geology consists of predominantly sandstone interbedded with hard sandstone and limestone.

Light non-aqueous phase liquids (LNAPLs) were measured in three monitor wells (GMW-1, GMW-3B, and GMW-5) at a thickness of 0.51, 0.23, and 1.82 feet, respectively. A sheen of LNAPL was observed in GMW-9.

The extent of LNAPL occurrence and dissolved organic contamination has been investigated.

No organic compounds analyzed were detected upgradient of the Grimes Battery area (GMW-2 and GMW-10), downgradient of the Grimes Battery (GMW-7, TMW-1), south (GMW4, GMW-6, GMW-7), or north (GMW-11).

Table 8 is a summary of organic analytes detected in the groundwater samples collected February 1999, the number and range of concentrations of each analyte detected, and the 20 NMAC 6.2 3-103 standard for each. Benzene and toluene were **not** detected in any of the groundwater samples collected and analyzed in February and March 1999. Ethlybenzene was **not** detected in any of the groundwater samples above the 20 NMAC 6.2 3-103 standard of 0.75 mg/L. Ethylbenzene was detected in six samples (GMW-1, GMW-3B, GMW-5, GMW-9, TMW-4 and TMW-5) at concentrations ranging from 0.0015 milligrams per liter (mg/L) to 0.11 mg/L. Xylenes were **not** detected in any of the groundwater samples above the 20 NMAC 6.2 3-103 standard of 0.62 mg/L. Xylenes were detected in seven of the samples (GMW-1, GMW-3B, GMW-5, GMW-8, GMW-9, TMW-4 and TMW-5) at concentrations ranging from 0.0019 mg/L to 0.599 mg/L.

Polycyclic Aromatic Hydrocarbons (total napthelene plus monomethylnapthalenes) were detected at a concentration of 0.071 mg/L, above the 20 NMAC 6.2 3-103 standard of 0.03 mg/L in the sample collected from GMW-5. **No** other organic compounds analyzed were detected above 20 NMAC 6.2 3-103 standards. Flourene was detected in one sample at a concentration of 0.011 mg/L. Phenanathrene was detected in three samples at concentrations of 0.004 mg/L, 0.003 mg/L, and 0.022 mg/L, respectively. TPH was detected in seven samples at concentrations ranging from 0.533 mg/L to 16.9 mg/L. There is no 20 NMAC 6.2 3-103 standard for fluorine, phenanathrene, or TPH.

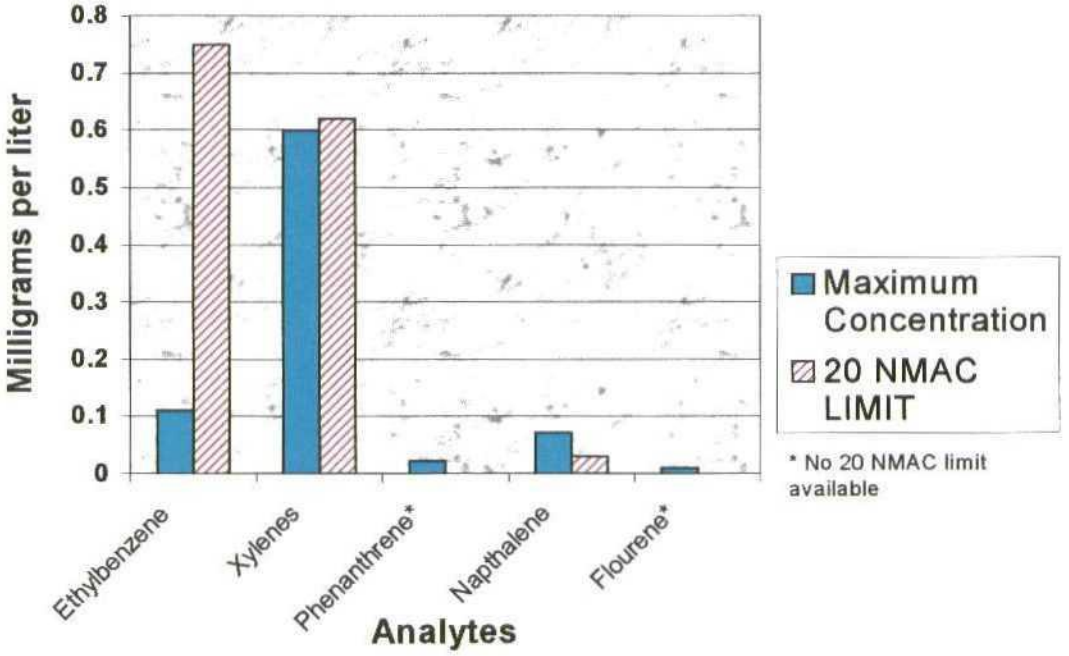
The maximum concentration for each organic analyte detected, and the 20 NMAC limit are shown in **Figure 20** (Histogram of Organic Constituents Detected in Groundwater).

Table 8
Organic Constituents Detected in Groundwater
February 1999

ANALYTE	NUMBER OF SAMPLES DETECTED	RANGE OF CONCENTRATIONS	20 NMAC LIMIT
Ethylbenzene	6	0.0015-0.11	0.75
Xylenes	7	0.0019-0.599	0.62
Phenanthrene	3	0.003-0.022	NA
Napthalene	3	0.002-0.071	0.03
Flourene	1	0.011	NA
Total Petroleum Hydrocarbons *	8	0.82-218	NA

* Not Analyzed in February 1999 in GMW-1-GMW-10 and TMW-1-TMW-3 per NMOCD approved workplan. October 1998 results used for these wells. All units are milligrams per liter.
NA=Not Available

Figure 20
Organic Constituents Detected in Groundwater
February 1999



Figures 21 and 22 are pie charts representing the number of organic analytes analyzed detected versus not detected in groundwater samples. 93% of volatile analytes were **not** detected in the 1998 samples, and 92% of volatile organic analytes were **not** detected in the 1999 samples. 98% and 99% of semivolatile analytes were **not** detected in the groundwater samples collected and analyzed in 1998 and 1999, respectively. TPH was detected in 43% the 1998 samples and 67% of the 1999 samples.

Figure 21
Organic Constituents Detected in Groundwater – October 1998

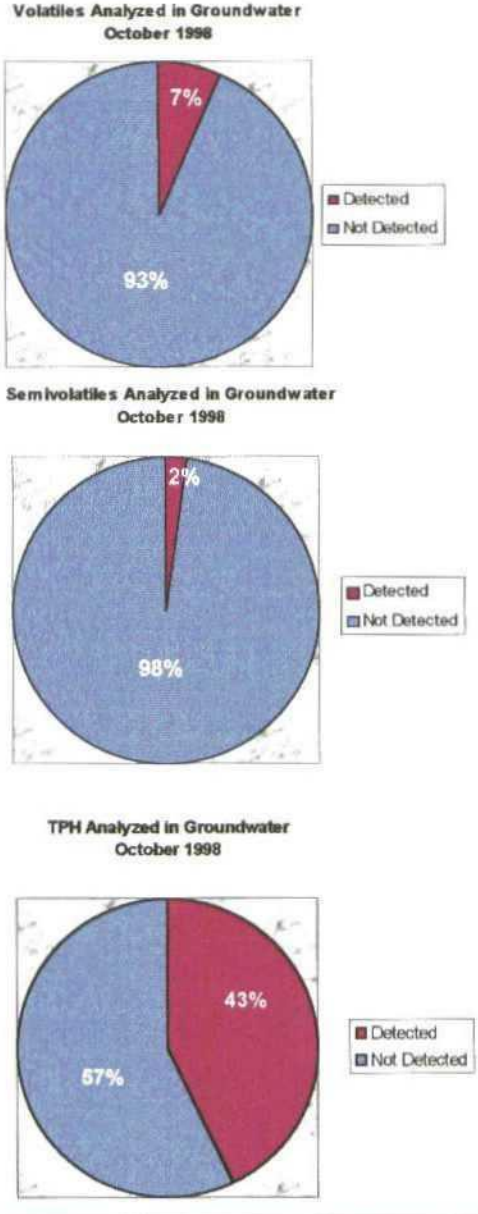
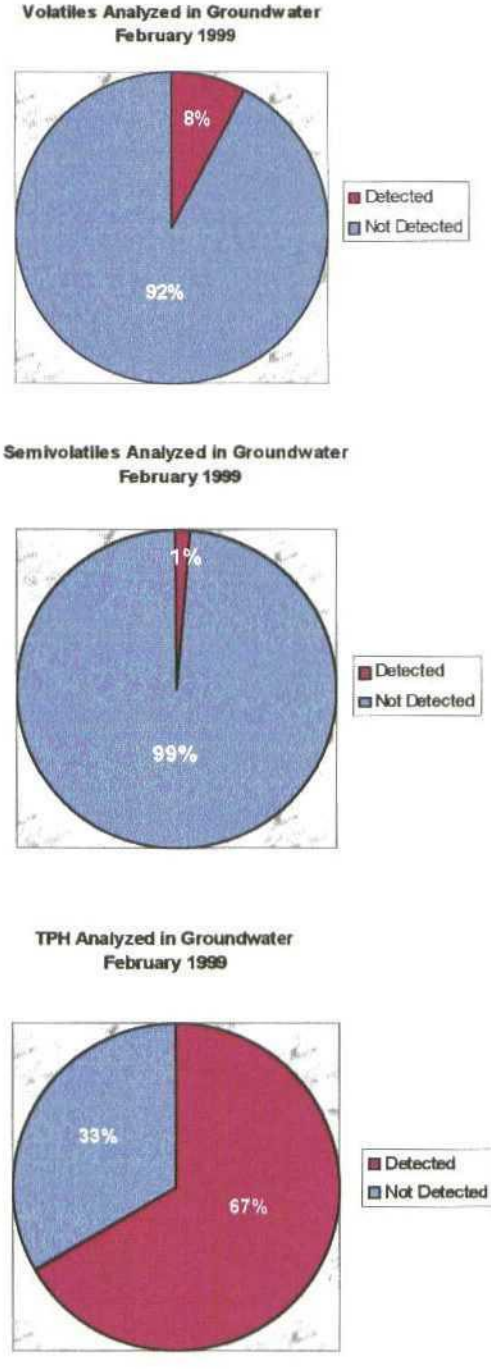


Figure 22
Organic Constituents Detected in Groundwater – February 1999



Naturally occurring inorganic analytes (metals, pH, chlorides, fluoride, nitrate, sulfate, TDS, and radium) were detected in the groundwater samples. **Table 9** is a summary of inorganic analytes detected in the groundwater samples collected February 1999, the number and range of concentrations of each analyte detected, and the 20 NMAC 6.2 3-103 standard for each.

Table 9
Inorganic Constituents Detected in Groundwater
February 1999

ANALYTE	NUMBER OF SAMPLES DETECTED	RANGE OF CONCENTRATIONS	20 NMAC LIMIT
Barium	10	0.10-0.30	1
Mercury	1	0.00042	0.002
Iron	3	0.11-0.29	1
Manganese	3	0.10-0.34	.20
Boron	16	0.18-0.62	0.75
Nickel	1	0.25	0.2
Flouride *	16	1.5-2.4	1.6
Nitrate*	15	0.41-5.1	10
Chloride*	16	41-250	250
Sulphate*	16	51-170	600
pH *	16	6.9-7.5	6-9 s.u.
TDS*	16	430-1,100	1,000
Total Activity *	16	1.95-17.07	30 picocurries per gram

* Not Analyzed in February 1999 in GMW-1-GMW-10 and TMW-1-TMW-3 per NMOCD approved workplan. October 1998 results used for these wells. All units are milligrams per liter unless otherwise noted.
NA=Not Available

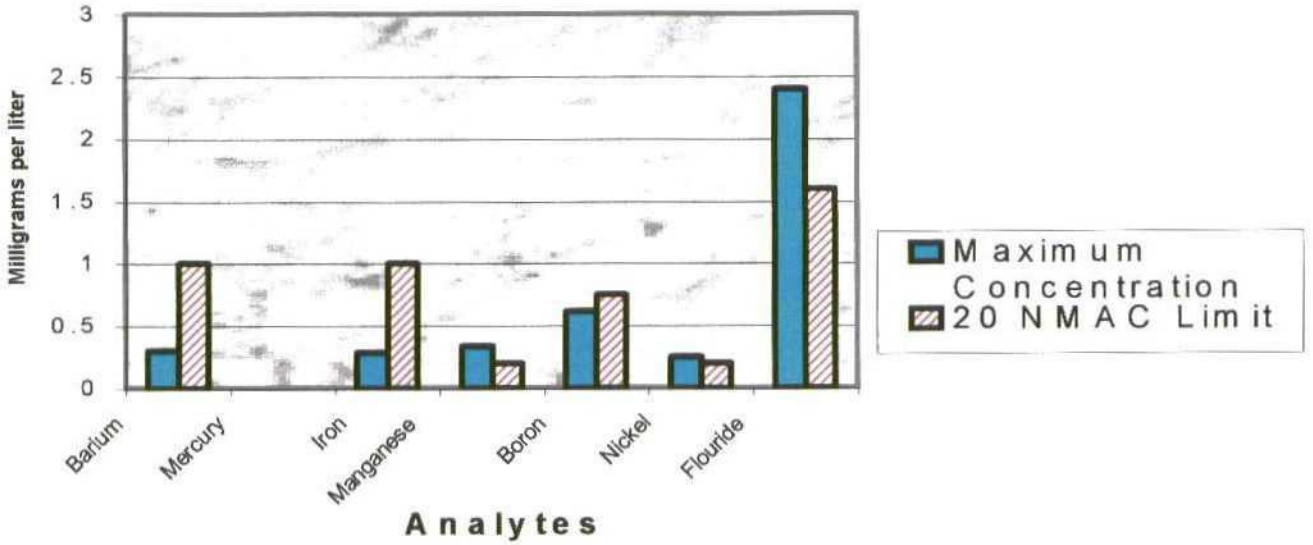
Fluoride was detected in all of the groundwater samples at concentrations ranging from 1.5 mg/L to 2.4 mg/L. The 20 NMAC 6.2 3-103 drinking water standard for fluoride is 1.6 mg/L, however, fluoride concentrations ranging from 2.2 to 2.8 mg/L have been reported in Jal, New Mexico municipal water wells as early as 1963. Total Dissolved Solids (TDS) is above the 20 NMAC 6.2 3-103 standard of 1,000 mg/L in one sample, TMW-5, at a concentration of 1,100 mg/L.

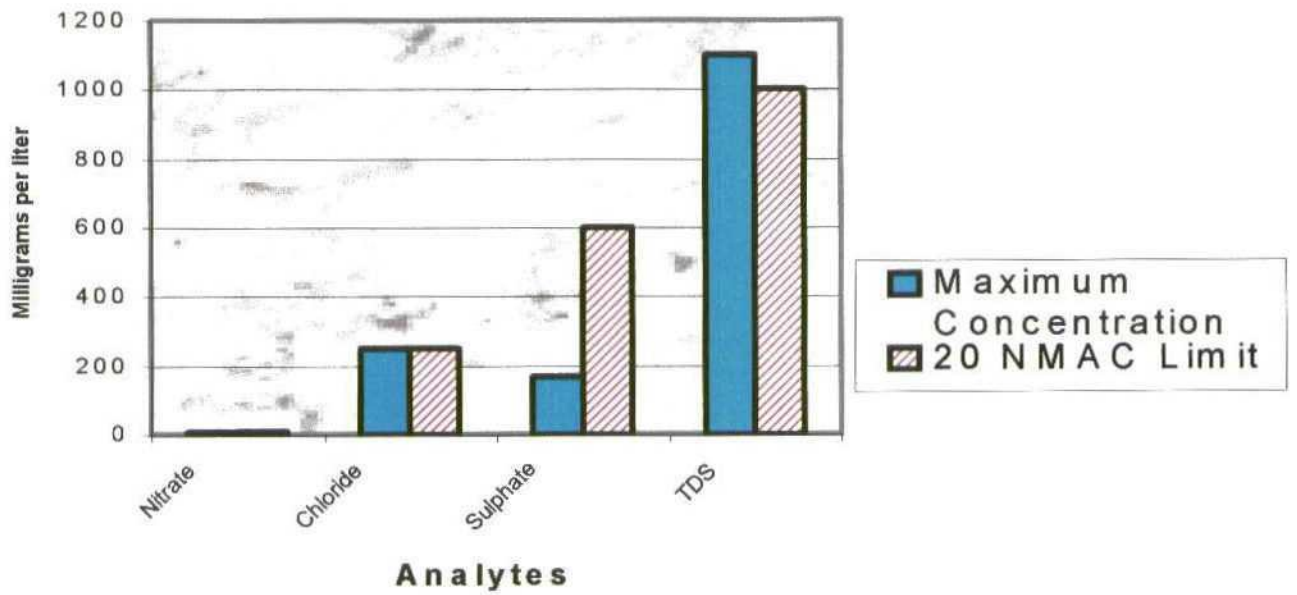
Manganese (GMW-1, 0.34 mg/L) and nickel (GMW-1, 0.25 mg/L) were detected above 20 NMAC 6.2 3-103 drinking water or irrigation standard of 0.2 mg/L.

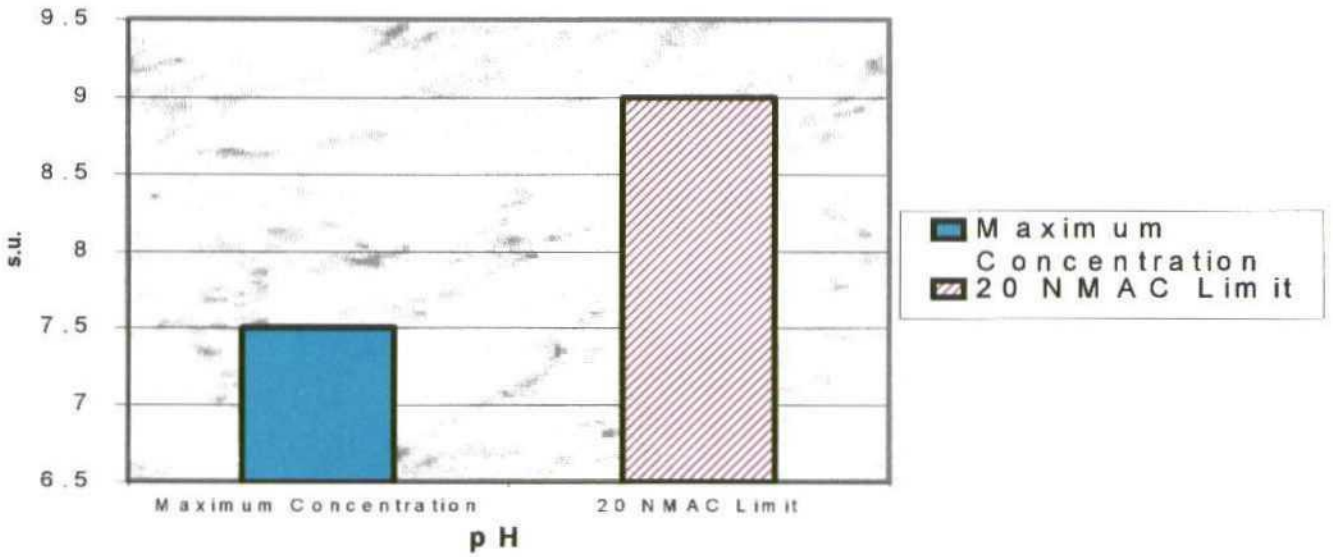
The maximum concentration for each inorganic analyte detected, and the 20 NMAC limit are shown in **Figure 23** (Histogram of Inorganic Constituents Detected in Groundwater).

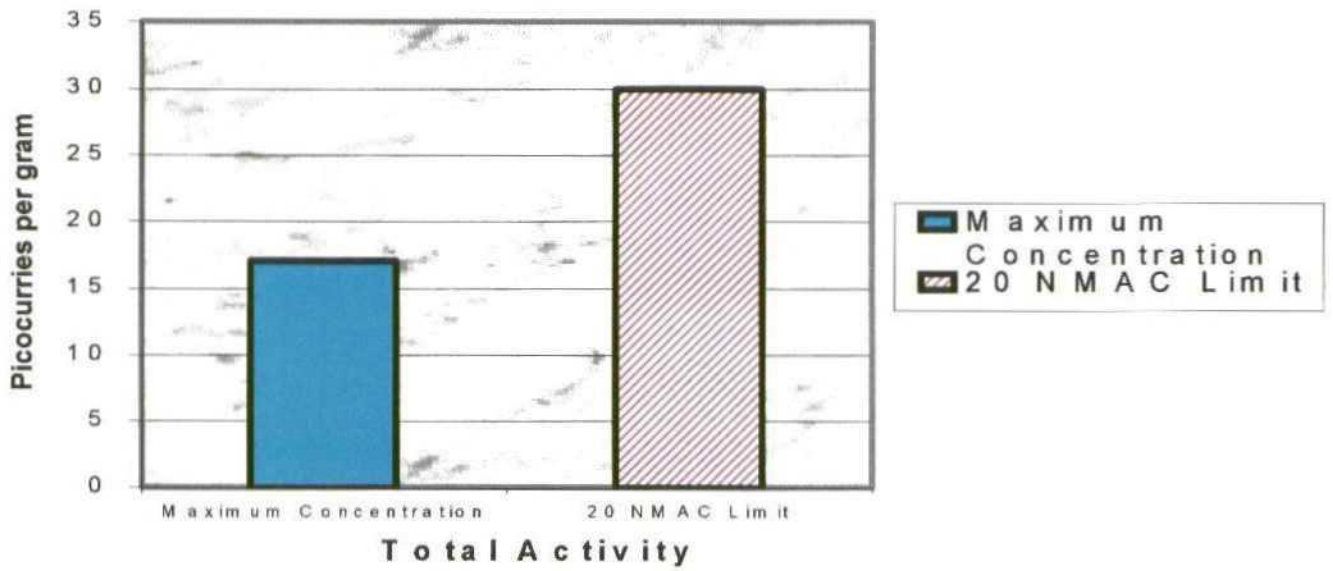
However, fluoride concentrations ranging from 2.2 to 2.8 mg/L have been reported in Jal, New Mexico municipal water wells as early as 1963. Total Dissolved Solids (TDS) is above the 20 NMAC 6.2 3-103 standard of 1,000 mg/L in one sample, TMW-5, at a concentration of 1,100 mg/L.

Figure 23
Inorganic Constituents Detected in Groundwater – February 1999






9.5
9
8.5
8
7.5
7
6.5
s.u.
Maximum Concentration
20 NMAC Limit
pH
Maximum Concentration
20 NMAC Limit


35
30
25
20
15
10
5
0
Picocurries per gram
Maximum Concentration
20 NMAC Limit
Total Activity
Maximum Concentration
20 NMAC Limit

8.0 RECOMMENDATIONS

Based on the work completed to date Shell believes that they have met the regulatory requirements for site assessment delineation.

Shell recommends backfilling of the excavations north and south of the Grimes Battery (GBN and GBS).

Following review of this report and approval by NMOCD that no further assessment activities be performed at the subject site, Shell will submit a Phase II Abatement Plan to NMOCD for remedial activities at the site. Remedial activities will likely include removal of product from monitor wells, semi-annual sampling of monitor wells, and a risk-based approach to soil remediation.

9.0 REFERENCES

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Table 2

Soil Analytical Results

Table 2 - Soil Laboratory Results

Analyte	Method	GMW-2 2-3'	GMW-2 13-15'	GMW-2 58-60'	GMW-2 62-64'D	GMW-3 53-55'	GMW-3 63-65'	GMW-4 18-20'	GMW-4 63-65'	GMW-5 58-60'	GMW-5 63-65'	GMW-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'	GMW-11 19-21'	GMW-11 63-65'
		Sample: 108823	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: 108457	Sample: 108458	Sample: 108459	Sample: 108342	Sample: 108343	Sample: 118337	Sample: 118339
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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
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	ND	ND	2.90	2.60	ND	ND	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	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	ND	ND

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

Table 2 - Soil Laboratory Results

Analyte	Method	GMW-2 2-3'	GMW-2 13-15'	GMW-2 58-60'	GMW-2 62-64'D	GMW-3 53-55'	GMW-3 63-65'	GMW-4 18-20'	GMW-4 63-65'	GMW-5 58-60'	GMW-5 63-65'	GMW-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'	GMW-11 19-21	GMW-11 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: 108457	Sample: 108458	Sample: 108459	Sample: 108342	Sample: 108343	Sample: 118337	Sample: 118338
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	0.4	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	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	0.37	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	ND	ND	2.0	0.15	ND	ND	ND	0.11	ND	ND	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	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	ND	ND	ND	0.41	ND	ND	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	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	8.70	0.81	ND	ND	ND	0.97	ND	ND	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	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
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. Dibromofluoromethane	S-8260B %		97	97	95	98	100	97	98	112	119	103	106	110	108	114	116	84	87	80	85	81	98	97
Surr. Toluene-d8	S-8260B %		105	106	105	105	103	103	102	114	113	96	95	110	113	104	102	81	81	83	85	83	102	102
Surr. 4-Bromofluorobenzene	S-8260B %		105	104	105	108	107	103	105	119	116	101	105	118	117	112	116	86	92	83	81	80	99	98

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

Table 2 - Soil Laboratory Results

Analyte	Method	GMW-2 2-3'	GMW-2 13-15'	GMW-2 58-60'	GMW-2 62-64'D	GMW-3 53-55'	GMW-3 63-65'	GMW-4 18-20'	GMW-4 63-65'	GMW-5 58-60'	GMW-5 63-65'	GMW-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'	GMW-11 19-21'	GMW-11 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: 104833	Sample: 104834	Sample: 104948	Sample: 104949	Sample: 106457	Sample: 106458	Sample: 106459	Sample: 106342	Sample: 106343	Sample: 118337	Sample: 118338
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. 2-Fluorophenol	S-8270C%		69	71	79	70	53	67	63	67	68	63	53	53	54	49	54	77	59	65	56	44	57	71
Surr. Phenol-d6	S-8270C%		77	80	90	65	54	68	61	61	57	65	57	57	57	60	64	97	66	73	40	51	49	64
Surr. Nitroobenzene-d5	S-8270C%		69	76	84	66	49	57	60	56	54	62	55	53	55	49	55	71	60	62	72	48	53	64
Surr. 2-Fluorobiphenyl	S-8270C%		73	81	87	93	81	65	65	93	96	64	55	53	56	89	65	118	76	82	69	60	57	68
Surr. 2,4,6-Tribromophenol	S-8270C%		88	91	97	61	49	76	78	22	3	65	59	54	59	72	70	76	65	60	39	58	59	74
Surr. Terphenyl-d14	S-8270C%		74	77	83	113	96	95	107	101	113	69	65	55	65	68	75	104	73	72	82	68	98	111
		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/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	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	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	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	26	11
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	0.61	0.16
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	2.6	3.3
Lead	S 6010B	0.91	1.0	1.8	2.1	2.7	1.7	1.9	1.7	ND	ND	2.0	1.4	2.2	1.2	0.59	ND	2.4	1.2	1.2	1.7	1.5	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	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
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	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	7.6	6.1
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	ND
Copper	S 6010B	1.5	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	5.4	1.9
Iron	S 6010B	2010	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	1,100	1,880
Manganese	S 6010B	16	25	20	25	18	23	40	22	ND	ND	25	21	21	8.7	15	25	37	19	23	20	22	10	17
Zinc	S 6010B	6.6	11	11	11	7.0	9.3	7.3	5.2	ND	ND	20	8.3	3.7	2.8	7.2	6.3	12	4.6	5.1	6.8	6	15	8.4
Aluminum	S 6010B	3160	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	1,300	1,640
Boron	S 6010B	ND	ND	ND	ND	6.3	6.9	9.2	6.6	ND	ND	12	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	54	49

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

Table 2 - Soil Laboratory Results

Analyte	Method	GMW-2 2-3'	GMW-2 13-15'	GMW-2 58-60'	GMW-2 62-64'D	GMW-3 53-55'	GMW-3 63-65'	GMW-4 18-20'	GMW-4 63-65'	GMW-5 58-60'	GMW-5 63-65'	GMW-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'	GMW-11 19-21'	GMW-11 63-65'
		Sample: 108823	Sample: 103766	Sample: 103765	Sample: 103764	Sample: 104147	Sample: 104148	Sample: 104099	Sample: 104100	Sample: 104339	Sample: 104340	Sample: 104532	Sample: 104533	Sample: 104833	Sample: 104834	Sample: 104948	Sample: 104949	Sample: 108457	Sample: 108458	Sample: 106459	Sample: 108342	Sample: 108343	Sample: 118337	Sample: 118338
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Cobalt	S 6010B	6.3	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	3.6	1.9
Molybdenum	S 6010B	1.3	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	1.3	ND
Nickel	S 6010B	6.8	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	30	9.9
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	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	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	2.9	0.98
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	1.6	1.4
Chloride	E 300.0		170	28	35	28	37	85	29	18	37	22	13	10	12	85	18	16	25	21	27	20	76	14
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	260	13
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	560	210
		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.	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	8.7	8.9
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	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	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	ND	ND
		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	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	ND	2.35

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

Table 2 - Soil Laboratory Results

Analyte	Method	TSB-1 2-3'	TSB-1 3-5'	TSB-1 8-10'	TSB-2 2-3'	TSB-2 3-5'	TSB-2 18-20'	TSB-3 2-3'	TSB-3 3-5'	TSB-3 18-20'	TSB-4 2-3'	TSB-4 3-5'	TSB-4 18-20'	TSB-5 2-3'	TSB-5 3-5'	TSB-5 18-20'	TSB-6 2-3'	TSB-6 3-5'	TSB-6 18-20'	TSB-7 2-3'	TSB-7 3-5'	TSB-7 8-10'	TSB-8 2-3'
		Sample: 105955	Sample: 105956	Sample: 105957	Sample: 105958	Sample: 105959	Sample: 105960	Sample: 106196	Sample: 106197	Sample: 106198	Sample: 106091	Sample: 106092	Sample: 106093	Sample: 106094	Sample: 106095	Sample: 106096	Sample: 106034	Sample: 106035	Sample: 106033	Sample: 106036	Sample: 106037	Sample: 106038	Sample: 19350
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	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	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	ND	17.0
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	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	0.072	15.0	41.0	ND	ND
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	5.6
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 IV for detection limits.

Table 2 - Soil Laboratory Results

Analyte	Method	TSB-1 2-3'	TSB-1 3-5'	TSB-1 8-10'	TSB-2 2-3'	TSB-2 3-5'	TSB-2 18-20'	TSB-3 2-3'	TSB-3 3-5'	TSB-3 18-20'	TSB-4 2-3'	TSB-4 3-5'	TSB-4 18-20'	TSB-5 2-3'	TSB-5 3-5'	TSB-5 18-20'	TSB-6 2-3'	TSB-6 3-5'	TSB-6 18-20'	TSB-7 2-3'	TSB-7 3-5'	TSB-7 8-10'	TSB-8 2-3'
		Sample: 105955	Sample: 105956	Sample: 105957	Sample: 105958	Sample: 105959	Sample: 105960	Sample: 106196	Sample: 106197	Sample: 106198	Sample: 106091	Sample: 106092	Sample: 106093	Sample: 106094	Sample: 106095	Sample: 106096	Sample: 106034	Sample: 106035	Sample: 106033	Sample: 106036	Sample: 106037	Sample: 106038	Sample: 19350
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. Dibromofluoromethane	S-8260B	103	106	106	106	105	106	105	104	115	105	105	102	104	101	102	108	105	106	110	112	107	108
Surr. Toluene-d8	S-8260B	94	101	93	92	95	95	86	86	85	89	89	90	89	88	88	91	92	87	98	105	93	91
Surr. 4-Bromofluorobenzene	S-8260B	102	114	101	98	99	101	91	91	97	94	93	94	94	94	94	95	96	93	108	114	98	99
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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

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

Table 2 - Soil Laboratory Results

Analyte	Method	TSB-1 2-3'	TSB-1 3-5'	TSB-1 8-10'	TSB-2 2-3'	TSB-2 3-5'	TSB-2 18-20'	TSB-3 2-3'	TSB-3 3-5'	TSB-3 18-20'	TSB-4 2-3'	TSB-4 3-5'	TSB-4 18-20'	TSB-5 2-3'	TSB-5 3-5'	TSB-5 18-20'	TSB-6 2-3'	TSB-6 3-5'	TSB-6 18-20'	TSB-7 2-3'	TSB-7 3-5'	TSB-7 8-10'	TSB-8 2-3'
		Sample: 105955	Sample: 105956	Sample: 105957	Sample: 105958	Sample: 105959	Sample: 105960	Sample: 106196	Sample: 106197	Sample: 106198	Sample: 106091	Sample: 106092	Sample: 106093	Sample: 106094	Sample: 106095	Sample: 106096	Sample: 106034	Sample: 106035	Sample: 106033	Sample: 106036	Sample: 106037	Sample: 106038	Sample: 19350
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
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
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	ND
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	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	ND
Acenaphthylene																							
Acenaphthene																							
Benz(a)anathracene																							
Benzo(b)flouranthene																							
Chrysene																							
Indeno-{1,2,3-cd}pyrene																							
Dibenz{a,h}anathraene																							
Benzo{g,h,I}perylene																							
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. 2-Fluorophenol	S-8270C	126	58	39	42	49	56	70	26	74	54	74	75	63	68	64	65	61	72	7.4	53	59	5.4
Surr. Phenol-d6	S-8270C	89	65	60	51	61	67	73	73	75	57	74	79	65	69	66	64	63	80	8.2	61	66	4.7
Surr. Nitroobenzene-d5	S-8270C	125	56	78	44	50	54	69	68	71	55	71	78	65	66	65	84	63	78	7.6	72	74	7.1
Surr. 2-Fluorobiphenyl	S-8270C	269	67	112	53	59	67	90	88	91	60	76	80	69	73	70	81	71	82	1.4	77	81	7.1
Surr. 2,4,6-Tribromophenol	S-8270C	39	42	48	42	49	49	60	63	63	53	61	66	56	61	59	39	57	72	7.4	42	46	4.2
Surr. Terphenyl-d14	S-8270C	213	71	98	63	65	67	79	87	80	79	85	93	79	86	79	115	86	89	1.9	99	100	12

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

Table 2 - Soil Laboratory Results

Analyte	Method	TSB-1 2-3'	TSB-1 3-5'	TSB-1 8-10'	TSB-2 2-3'	TSB-2 3-5'	TSB-2 18-20'	TSB-3 2-3'	TSB-3 3-5'	TSB-3 18-20'	TSB-4 2-3'	TSB-4 3-5'	TSB-4 18-20'	TSB-5 2-3'	TSB-5 3-5'	TSB-5 18-20'	TSB-6 2-3'	TSB-6 3-5'	TSB-6 18-20'	TSB-7 2-3'	TSB-7 3-5'	TSB-7 8-10'	TSB-8 2-3'
		Sample: 105955	Sample: 105956	Sample: 105957	Sample: 105958	Sample: 105959	Sample: 105960	Sample: 106196	Sample: 106197	Sample: 106198	Sample: 106091	Sample: 106092	Sample: 106093	Sample: 106094	Sample: 106095	Sample: 106096	Sample: 106034	Sample: 106035	Sample: 106033	Sample: 106036	Sample: 106037	Sample: 106038	Sample: 19350
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	ND
Barium	S 6010B	90	105	439	82	93	80	109	315	286	470	640	340	184	165	45	970	242	58	194	600	277	240
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	ND
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	2.5
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	0.77
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	2.3	1.4	3.4	ND	0.6	ND	ND	1.1	ND	ND	ND	ND
Silver	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.2	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	ND
Copper	S 6010B	5.4	3.3	4.2	5.4	5.3	3.5	2.1	3.9	2.7	2.9	3.2	3.5	2.9	2.5	5.3	5.9	1.8	3	1.7	3.4	2.5	1.2
Iron	S 6010B	7,000	4,800	1,860	8,200	8,200	4,900	1300	2600	1900	5100	7500	1700	3500	3600	1200	12000	3100	1000	2600	1600	3900	1700
Manganese	S 6010B	77	64	29	126	143	65	9.6	25	21	45	41	26	37	37	21	79	27	15	24	16	28	17
Zinc	S 6010B	34	14	5.0	21	23	13	3.9	6.6	5.1	17	17	5	9	9.2	4.1	350	9.7	3.5	6.4	4.5	8.3	5.5
Aluminum	S 6010B	10,000	6,900	3,600	10,000	10,000	7,500	2200	5200	3300	8700	14000	3000	5700	6000	2000	4300	4900	1500	4200	3200	6600	2900
Boron	S 6010B	17	12	10	17	17	14	ND	12	ND	16	22	ND	10	11	ND	26	11	ND	15	13	17	ND
Cobalt	S 6010B	7.8	7.1	5.2	8.3	8.0	6.5	3.5	5.2	4	8.1	8.2	4.6	5	6.4	4.1	11	6.1	4.2	6.2	5.6	6.3	4.5

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

Table 2 - Soil Laboratory Results

Analyte	Method	TSB-1 2-3'	TSB-1 3-5'	TSB-1 8-10'	TSB-2 2-3'	TSB-2 3-5'	TSB-2 18-20'	TSB-3 2-3'	TSB-3 3-5'	TSB-3 18-20'	TSB-4 2-3'	TSB-4 3-5'	TSB-4 18-20'	TSB-5 2-3'	TSB-5 3-5'	TSB-5 18-20'	TSB-6 2-3'	TSB-6 3-5'	TSB-6 18-20'	TSB-7 2-3'	TSB-7 3-5'	TSB-7 8-10'	TSB-8 2-3'
		Sample: 105955	Sample: 105956	Sample: 105957	Sample: 105958	Sample: 105959	Sample: 105960	Sample: 106196	Sample: 106197	Sample: 106198	Sample: 106091	Sample: 106092	Sample: 106093	Sample: 106094	Sample: 106095	Sample: 106096	Sample: 106034	Sample: 106035	Sample: 106033	Sample: 106036	Sample: 106037	Sample: 106038	Sample: 19350
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Molybdenum	S 6010B	2.9	2.0	1.6	2.5	2.4	2	ND	3.7	1.5	2.2	3.1	1.5	1.7	1.8	1.7	2.9	1.8	1.5	1.6	2.1	2.3	1.3
Nickel	S 6010B	8.6	7.9	ND	8.3	8.4	6.8	4.3	8.2	3.4	8.3	8.7	26	5.8	6.2	4.1	ND	ND	ND	6.5	ND	ND	4.5
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	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	1.9
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	4.3
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
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	120
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	720
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	4,000
		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	9.5
		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	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	60,300
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	0.07
		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	4.33

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

Analyte	Method	TSB-8 3-5'	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'
		Sample: 107006	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
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	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
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	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
Ethylbenzene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	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	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
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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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
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 IV for detection limits.

Analyte	Method	TSB-8 3-5'	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'
		Sample: 107006	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
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. Dibromofluoromethane	S-8260B	85	81	87	96	100	111	109	110	107	106	106	109	113	105	109	91	80	81	86	87
Surr. Toluene-d8	S-8260B	86	88	88	102	87	88	88	97	94	106	96	86	88	85	86	85	82	81	80	81
Surr. 4-Bromofluorobenzene	S-8260B	85	88	91	101	93	98	97	110	97	115	96	100	102	94	97	90	114	83	82	83
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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

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

		TSB-8 3-5'	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'
Analyte	Method	Sample: 107006	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
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
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	2.97	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
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	1.64	ND	ND	ND	0.832	ND	ND	ND
Phenanthrene	S-8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.41	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	8.02	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	S-8270C	5	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.9	ND	ND	ND	4.99	ND	ND	ND
2-methylnaphthalene	S-8270C	4.9	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.02	ND	ND	ND	3.75	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
Acenaphthylene																					
Acenaphthene																					
Benz(a)anathracene																					
Benzo(b)flouranthene																					
Chrysene																					
Indeno-{1,2,3-cd}pyrene																					
Dibenz{a,h}anathraene																					
Benzo{g,h,I}perylene																					
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. 2-Fluorophenol	S-8270C	9	49	76	28	65	58	62	56	43	41	53	59	84	70	72	67	36	58	70	75
Surr. Phenol-d6	S-8270C	16	29	50	28	68	61	64	54	41	36	53	62	46	73	84	70	81	63	43	76
Surr. Nitroobenzene-d5	S-8270C	39	80	100	25	66	59	65	64	49	59	59	69	91	69	71	69	81	57	61	61
Surr. 2-Fluorobiphenyl	S-8270C	20	98	98	32	71	65	69	79	62	63	66	70	125	91	88	88	98	78	106	108
Surr. 2,4,6-Tribromophenol	S-8270C	5	48	26	28	66	53	57	60	40	24	48	59	94	59	71	50	65	64	65	59
Surr. Terphenyl-d14	S-8270C	12	87	88	47	83	71	79	114	68	78	75	80	95	82	82	79	86	87	96	101

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

		TSB-8 3-5'	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'
Analyte	Method	Sample: 107006	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
		mg/Kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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
Heptachlor	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
PCB's	S 8082	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
Arsenic	S 6010B	1.4	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
Barium	S 6010B	127	160	99	730	230	161	146	125	127	146	256	350	87	30	277	328	105	10	173	537
Cadmium	S 6010B	0.19	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
Chromium	S 6010B	5.8	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
Lead	S 6010B	4.1	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
		mg/Kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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
		mg/Kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	1.4	ND	1.6	ND	ND	ND	ND	ND	ND	0.89	ND	ND	2.9	ND	ND	ND	ND	ND	ND
Silver	S 6010B	0.87	ND	ND	0.94	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	4.1	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
Iron	S 6010B	5300	4000	6000	2500	2800	1800	1800	7300	3400	5100	2900	3300	1500	2400	2000	2800	1700	2200	3200	4700
Manganese	S 6010B	69	59	58	44	35	15	23	139	31	37	36	23	14	1.8	21	93	25	24	27	48
Zinc	S 6010B	13	11	14	12	9.6	7.1	7.6	68	7.6	15	9.6	8	4.1	4.5	6.4	13	5.2	4.8	7.4	11
Aluminum	S 6010B	6200	4900	7700	2100	4900	3600	3300	7700	5700	8800	5200	6600	2400	2400	3900	4900	3000	2100	4800	6900
Boron	S 6010B	23	16	21	16	12	ND	ND	19	13	19	ND	13	ND	ND	ND	10	ND	ND	12	12
Cobalt	S 6010B	7.9	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

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

Analyte	Method	TSB-8 3-5'	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'
		Sample: 107006	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
		mg/Kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Molybdenum	S 6010B	2.1	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
Nickel	S 6010B	8	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
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
		mg/Kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	6.6	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
Nitrate	E 300.0	3.8	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
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	E 300.0	560	660	1900	550	22	18	260	70	52	66	35	45	180	120	33	27	160	56	21	14
Sulfate	E 300.0	71	180	19	62	18	170	270	420	42	12	300	180	12	20	460	360	71	14	150	150
		mg/Kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	10000	9600	3200	1000	400	440	850	2100	3000	2500	716	770	450	150	890	930	770	270	550	550
		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	9.4	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
		mg/Kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	67000	21300	15.6	15.6	97.2	ND	117	18500	16000	5580	1210	1940	22700	127	1160	7800	14700	20.3	10800	15900
		mg/Kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	7.7	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
		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	8.48	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

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

Analyte	Method	TSB-13 8-10'	TSB-13 23-25'	TSB-15 13-15'	TSB-15 23-25'	TSB-16 18-20'	TSB-16 63-65'	TSB-16 63-65D	TSB-17 13-15'	TSB-17 40-42'	TSB-18 33-35'	TSB-18 43-45'	TSB-19 8-10'	TSB-19 38-40'	TSB-23 6-8"	TSB-27 6-8"	TSB-32 6-8"	TSB-39 6-8"	TSB-42 6-8"	TSB-49 6-8"
		Sample: 106826	Sample: 106827	Sample: T118243	Sample: T118244	Sample: 118710	Sample: 118711	Sample: 118712	Sample: 119130	Sample: 119131	Sample: 119627	Sample: 119628	Sample: 119629	Sample: 119630	Sample: 125255	Sample: 125256	Sample: 125257	Sample: 125258	Sample: 125259	Sample: 125260
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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
Acrylonitrile	S-8260B	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
Carbon tetrachloride	S-8260B	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
1,2-dichloroethane	S-8260B	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
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
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
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
Chloroform	S-8260B	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
1,1-dichloroethylene	S-8260B	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
Ethylbenzene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	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
Bromomethane	S-8260B	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
Dichlorodifluoromethane	S-8260B	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
Trichlorofluorometane	S-8260B	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
Toluene	S-8260B	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
Vinyl chloride	S-8260B	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	ND	ND	ND	ND	ND	ND	ND	ND	0.027	0.026
o-xylene	S-8260B	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
Ethylene dibromide	S-8260B	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
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
Methylene chloride	S-8260B	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 IV for detection limits.

Analyte	Method	TSB-13 8-10'	TSB-13 23-25'	TSB-15 13-15'	TSB-16 23-25'	TSB-16 18-20'	TSB-16 63-65'	TSB-16 63-65D	TSB-17 13-15'	TSB-17 40-42'	TSB-18 33-35'	TSB-18 43-45'	TSB-19 8-10'	TSB-19 38-40'	TSB-23 6-8"	TSB-27 6-8"	TSB-32 6-8"	TSB-39 6-8"	TSB-42 6-8"	TSB-49 6-8"
		Sample: 106826	Sample: 106827	Sample: T118243	Sample: T118244	Sample: 118710	Sample: 118711	Sample: 118712	Sample: 119130	Sample: 119131	Sample: 119627	Sample: 119628	Sample: 119629	Sample: 119630	Sample: 125255	Sample: 125256	Sample: 125257	Sample: 125258	Sample: 125259	Sample: 125260
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. Dibromofluoromethane	S-8260B	87	84	102	103	101	103	97	96	100	99	100	99	101	96	97	97	96	96	96
Surr. Toluene-d8	S-8260B	82	83	102	102	112	105	104	111	108	110	108	109	109	100	99	99	98	101	101
Surr. 4-Bromofluorobenzene	S-8260B	86	83	99	98	114	96	99	98	101	100	99	99	100	99	100	99	99	100	100
		mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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						
Hexachlorobenzene	S-8270C	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						
1,2,4,5-tetrachlorobenzene	S-8270C	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						
2,4-dichlorophenol	S-8270C	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						
2,4,6-trichlorophenol	S-8270C	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						
bis (2-chloroisopropyl) ether	S-8270C	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						
3,3-dichlorobenzidine	S-8270C	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						
Diphenylhydrazine	S-8270C	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						
Hexachlorocyclopentadiene	S-8270C	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						
Nitrobenzene	S-8270C	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						
2,4-dinitrophenols	S-8270C	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						
N-nitrosodimethylamine	S-8270C	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						
N-nitrosodiphenylamine	S-8270C	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						
Pentachlorophenol	S-8270C	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						
di-2-ethylhexyl phthalate	S-8270C	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND						

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

Analyte	Method	TSB-13 8-10'	TSB-13 23-25'	TSB-15 13-15'	TSB-15 23-25'	TSB-16 18-20'	TSB-16 63-65'	TSB-16 63-65D	TSB-17 13-15'	TSB-17 40-42'	TSB-18 33-35'	TSB-18 43-45'	TSB-19 8-10'	TSB-19 38-40'	TSB-23 6-8"	TSB-27 6-8"	TSB-32 6-8"	TSB-39 6-8"	TSB-42 6-8"	TSB-49 6-8"
		Sample: 106826	Sample: 106827	Sample: T118243	Sample: T118244	Sample: 118710	Sample: 118711	Sample: 118712	Sample: 119130	Sample: 119131	Sample: 119627	Sample: 119628	Sample: 119629	Sample: 119630	Sample: 125255	Sample: 125256	Sample: 125257	Sample: 125258	Sample: 125259	Sample: 125260
		mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Diethyl phthalate	S-8270C	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						
Anthracene	S-8270C	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						
		mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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
Fluoranthene	S-8270C	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
Phenanthrene	S-8270C	ND	ND			3.7	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	1.9	ND
Naphthalene	S-8270C	ND	ND			7.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	S-8270C	6.31	ND			17	ND	ND	ND	ND	ND	ND	ND	ND						
2-methylnaphthalene	S-8270C	5.45	ND			19	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
Acenaphthylene															ND	ND	ND	ND	ND	ND
Acenaphthene															ND	ND	ND	ND	ND	ND
Benz(a)anathracene															ND	ND	ND	ND	ND	ND
Benzo(b)flouranthene															ND	ND	ND	ND	ND	ND
Chrysene															ND	ND	ND	ND	ND	ND
Indeno-{1,2,3-cd}pyrene															ND	ND	ND	ND	ND	ND
Dibenz{a,h}anathraene															ND	ND	ND	ND	ND	ND
Benzo{g,h,i}perylene															ND	ND	ND	ND	ND	ND
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. 2-Fluorophenol	S-8270C	75	65			86	54	53	57	75	51	36	39	38						
Surr. Phenol-d6	S-8270C	72	68			98	59	60	66	84	54	37	42	46						
Surr. Nitroobenzene-d5	S-8270C	56	62			127	56	55	62	80	50	33	38	39	55	59	64	68	51	68
Surr. 2-Fluorobiphenyl	S-8270C	112	78			96	57	57	60	78	52	33	36	38	63	76	73	79	60	76
Surr. 2,4,6-Tribromophenol	S-8270C	64	63			86	59	55	68	74	41	28	38	45						
Surr. Terphenyl-d14	S-8270C	105	75			79	76	76	99	138	63	43	50	60	89	116	106	128	96	96

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

Analyte	Method	TSB-13 8-10'	TSB-13 23-25'	TSB-15 13-15'	TSB-15 23-25'	TSB-16 18-20'	TSB-16 63-65'	TSB-16 63-65D	TSB-17 13-15'	TSB-17 40-42'	TSB-18 33-35'	TSB-18 43-45'	TSB-19 8-10'	TSB-19 38-40'	TSB-23 6-8"	TSB-27 6-8"	TSB-32 6-8"	TSB-39 6-8"	TSB-42 6-8"	TSB-49 6-8"
		Sample: 106826	Sample: 106827	Sample: T118243	Sample: T118244	Sample: 118710	Sample: 118711	Sample: 118712	Sample: 119130	Sample: 119131	Sample: 119627	Sample: 119628	Sample: 119629	Sample: 119630	Sample: 125255	Sample: 125256	Sample: 125257	Sample: 125258	Sample: 125259	Sample: 125260
		mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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						
Chlordane	S-8080	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						
Dieldrin	S-8080	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						
Endrin	S-8080	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						
		mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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						
		mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	0.52	3			ND	ND	ND	ND	ND	ND	ND	5.5	ND	2.2	2.3	1.9	1.8	1.7	1.2
Barium	S 6010B	149	31			130	12	12	130	ND	7.6	5.5	304	7.9	103	88	109	102	99	109
Cadmium	S 6010B	0.15	0.11			0.43	0.19	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	S 6010B	4.2	4			3.7	2.6	3.0	ND	ND	2.1	1.7	ND	1.6	5.4	4.7	5.0	4.0	5.1	3.8
Lead	S 6010B	0.97	2.4			0.85	1.2	1.4	ND	ND	1.6	1.2	1.5	0.52	5.8	4.8	7.8	5.2	6.9	4.6
		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
Total Mercury	S 7471	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
Selenium	S 6010B	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	S 6010B	ND	ND			16	8.0	7.1	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
Copper	S 6010B	2.7	8.4			4.1	1.6	2.2	2.4	ND	ND	ND	1.9	ND	5.2	5.1	7.5	5.7	5.7	5.5
Iron	S 6010B	3200	2500			2,316	2,126	1,964	5,930	2,470	2,100	2,180	1,550	2,830	5210	3480	5330	3570	4580	3820
Manganese	S 6010B	28	27			29	32	31	40	8.5	15	16	11	17	145	155	147	162	148	145
Zinc	S 6010B	7.7	8.2			5.2	4.3	4.1	21	3.8	5.0	6.5	4.0	5.4	21	18	27	16	24	19
Aluminum	S 6010B	4800	4100			3,332	1,753	1,683	9,900	2,470	2,170	1,960	2,730	2,700	6460	4340	6,580	4490	5520.0	4510
Boron	S 6010B	12	15			ND	ND	ND	78	24	14	15	16	15	33	29	30	24	30	25
Cobalt	S 6010B	5.9	5.4			ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	1.8	1.7	1.8	1.7	1.4

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

Analyte	Method	TSB-13 8-10'	TSB-13 23-25'	TSB-15 13-15'	TSB-15 23-25'	TSB-16 18-20'	TSB-16 63-65'	TSB-16 63-65D	TSB-17 13-15'	TSB-17 40-42'	TSB-18 33-35'	TSB-18 43-45'	TSB-19 8-10'	TSB-19 38-40'	TSB-23 6-8"	TSB-27 6-8"	TSB-32 6-8"	TSB-39 6-8"	TSB-42 6-8"	TSB-49 6-8"
		Sample: 106826	Sample: 106827	Sample: T118243	Sample: T118244	Sample: 118710	Sample: 118711	Sample: 118712	Sample: 119130	Sample: 119131	Sample: 119627	Sample: 119628	Sample: 119629	Sample: 119630	Sample: 125255	Sample: 125256	Sample: 125257	Sample: 125258	Sample: 125259	Sample: 125260
		mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Molybdenum	S 6010B	1.8	1.8			1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	S 6010B	6.1	6			36	22	14	9.0	ND	1.3	0.93	3.2	1.4	7.7	6.9	6.5	7.2	6.4	6.9
Cyanide	Sm 4500 CN,CE	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
Fluoride	E 300.0	9	4			2.6	1.5	1.4	6.1	2.1	2.1	1.4	1.4	1.3						
Nitrate	E 300.0	1.7	2.3			ND	ND	ND	4.4	1.6	2.1	1.9	6.1	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
Chloride	E 300.0	14	320			15	22	18	140	100	12	10	1,100	31						
Sulfate	E 300.0	56	500			7.7	9.4	6.7	240	84	50	38	1,900	22						
		mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	440	1500			192	500	380	830	370	240	265	4,400	220						
		s.u.	s.u.	mg/Kg	mg/Kg	s.u.	s.u.	s.u.	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
pH	E 150.1	8.6	8.7			8.9	9.1	9.1	8.4	8.5	8.7	8.8	8.0	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
TRPHC	S 418.1	6250	ND	ND	ND	17,200	51.7	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
Total Phenols	SM 5530 A,D	1.5	4.2			ND	ND	0.609	ND	0.627	ND	0.697	ND	ND						
		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	8.19	1.11			2.49	2.09	1.68	3.21	0.20	0.21	1.70	2.02	5.65						

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

Table 2 - 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'	TMW-4 40-42'	TMW-4 63-65'	TMW-5 48-50'	TMW-5 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'
		Sample: 105742	Sample: 105743	Sample: 105744	Sample: 105814	Sample: 105815	Sample: 108238	Sample: 108239	Sample: 108240	Sample: 108241	Sample: 118283	Sample: 118284	Sample: 119858	Sample: 119859	Sample: 105071	Sample: 105224	Sample: 107012	Sample: 107002	Sample: 106262	Sample: 106828	Sample: 108259	Sample: 108344
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	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	2.00	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	ND
Bromomethane	S-8260B	ND	0.97	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	12.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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
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 IV for detection limits.

Table 2 - 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'	TMW-4 40-42'	TMW-4 63-65'	TMW-5 48-50'	TMW-5 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'
		Sample : 105742	Sample: 105743	Sample: 105744	Sample: 105814	Sample: 105815	Sample: 108238	Sample: 108239	Sample: 108240	Sample: 108241	Sample: 118283	Sample: 118284	Sample: 119858	Sample: 119859	Sample: 105071	Sample: 105224	Sample: 107012	Sample: 107002	Sample: 106262	Sample: 106828	Sample: 106259	Sample: 106344
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. Dibromofluoromethane	S-8260B %	105	106	101	120	119	101	101	101	100	100	101	97	94	118	118	93	86	80	84	80	84
Surr. Toluene-d8	S-8260B %	97	95	98	104	104	104	103	110	104	110	101	102	105	102	102	100	83	82	83	81	83
Surr. 4-Bromofluorobenzene	S-8260B %	105	101	99	113	113	106	101	115	104	106	99	98	99	116	116	102	81	83	84	82	85
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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

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

Table 2 - 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'	TMW-4 40-42'	TMW-4 63-65'	TMW-5 48-50'	TMW-5 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'
		Sample: 105742	Sample: 105743	Sample: 105744	Sample: 105614	Sample: 105615	Sample: 108238	Sample: 108239	Sample: 108240	Sample: 108241	Sample: 118283	Sample: 118284	Sample: 119858	Sample: 119859	Sample: 105071	Sample: 105224	Sample: 107012	Sample: 107002	Sample: 106262	Sample: 106828	Sample: 106259	Sample: 106344
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
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	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
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	1.94	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	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	S-8270C	ND	20	20	ND	ND	ND	ND	ND	ND	9.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	S-8270C	ND	17.9	17.9	ND	ND	ND	ND	7.52	ND	7.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo-a-pyrene	S-8270C	ND	ND	ND	ND	ND	ND	ND	8.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. 2-Fluorophenol	S-8270C	65	35	47	63	49	86	76	42	70	58	78	55	42	65	51	54	51	63	65	50	62
Surr. Phenol-d6	S-8270C	38	43	56	77	59	66	61	40	83	54	84	69	44	62	57	71	61	71	72	61	67
Surr. Nitroobenzene-d5	S-8270C	82	35	46	61	48	74	82	52	75	75	83	59	41	61	60	62	52	76	64	48	59
Surr. 2-Fluorobiphenyl	S-8270C	89	42	53	72	63	84	105	72	79	89	87	58	40	76	64	78	66	111	83	55	75
Surr. 2,4,6-Tribromophenol	S-8270C	6	33	38	60	55	70	66	34	74	66	73	63	49	62	59	70	63	42	68	39	42
Surr. Terphenyl-d14	S-8270C	114	44	53	71	74	100	102	69	78	108	95	52	51	66	99	62	64	105	76	46	62
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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

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

Table 2 - 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'	TMW-4 40-42'	TMW-4 63-65'	TMW-5 48-50'	TMW-5 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'
		Sample: 105742	Sample: 105743	Sample: 105744	Sample: 105614	Sample: 105615	Sample: 108238	Sample: 108239	Sample: 108240	Sample: 108241	Sample: 118283	Sample: 118284	Sample: 119858	Sample: 119859	Sample: 105071	Sample: 105224	Sample: 107012	Sample: 107002	Sample: 106262	Sample: 106828	Sample: 106259	Sample: 106344
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	ND	ND	ND	ND	4.2	4.1	4.5	2.9	2.1	1.6	ND	ND
Barium	S 6010B	150	5.5	29	29	34	152	147	285	10	29	8.3	16	13	370	170	375	166	312	730	187	11
Cadmium	S 6010B	0.14	ND	0.13	ND	ND	ND	ND	0.14	0.14	0.25	0.24	ND	ND	ND	0.14	ND	0.16	0.1	0.22	0.31	0.63
Chromium	S 6010B	3.3	3.5	4.1	3.5	3.7	3.2	4.2	2.6	3.3	4.0	4.3	3.6	1.5	4.9	2.7	3.8	5.4	2.1	6.3	3.1	4.9
Lead	S 6010B	1.1	0.85	1.2	0.67	1.3	1.4	1.3	0.69	1.0	0.76	0.81	0.31	0.92	1.8	0.72	1.7	2.7	0.78	3.2	1.5	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
Total Mercury	S 7471	ND	ND	ND	ND	ND	0.28	0.35	0.38	0.45	ND	ND	0.15	0.14	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
Selenium	S 6010B	0.52	1.3	ND	2.3	ND	ND	0.66	ND	ND	ND	ND	ND	ND	0.85	ND	0.86	ND	ND	1.6	ND	ND
Silver	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	8.6	ND	ND	ND	ND	ND	ND	ND	0.94	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	2.7	1.9	1.5	ND	1.9	2.9	3.1	2.5	2.1	2.6	2.1	2.1
Iron	S 6010B	1970	1740	2530	2000	2300	2500	3300	1500	2400	2,510	2,200	2,710	3,530	4200	1900	2,900	4,300	1500	3210	2200	3,500
Manganese	S 6010B	34	14	46	17	21	25	24	13	20	20	17	19	24	36	28	39	51	11	44	28	25
Zinc	S 6010B	11	4.3	5.3	6.1	5.3	7.5	8.4	4.2	7.4	5.6	6.1	4.8	5.1	9.3	13	6.2	11	4.8	12	44	8.5
Aluminum	S 6010B	3800	1790	2240	1900	2300	3800	5100	1800	2000	1,770	1,650	2,050	2,750	6600	3500	4,400	5,900	2800	4940	3800	2,900
Boron	S 6010B	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	21	19	13	11	15	15	10	16	ND	ND
Cobalt	S 6010B	3.9	ND	1.1	1.4	1.8	5	5.5	3.7	2.5	2.3	2.1	ND	ND	8.1	5.5	3.1	7.6	4.5	8.7	6.3	2.9
Molybdenum	S 6010B	1.7	ND	ND	ND	ND	1.2	1.1	ND	ND	1.1	1.0	ND	ND	2.8	2.6	2.2	2.6	1.1	2.6	1.3	1.3
Nickel	S 6010B	4.4	ND	0.79	1.5	1.5	6.4	7.0	3.9	2.4	19	16	2.1	1.9	8.6	6.1	6.9	7.9	5.7	11	5.3	2.6
		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	0.062	0.01	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	1.3	1.3	1.9	1.5	13	6.1	5.9	6	1.8	6.5	1.2	1.3
Nitrate	E 300.0	1.5	2	1.9	1.8	1.8	ND	ND	ND	ND	ND	ND	1.5	1.5	2.1	1.8	ND	9.8	2.2	1.7	2.8	1.6

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

Table 2 - 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'	TMW-4 40-42'	TMW-4 63-65'	TMW-5 48-50'	TMW-5 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'
		Sample: 105742	Sample: 105743	Sample: 105744	Sample: 105614	Sample: 105615	Sample: 108238	Sample: 108239	Sample: 108240	Sample: 108241	Sample: 118283	Sample: 118284	Sample: 119858	Sample: 119859	Sample: 105071	Sample: 105224	Sample: 107012	Sample: 107002	Sample: 108262	Sample: 106828	Sample: 106259	Sample: 108344
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	E 300.0	94	82	240	18	27	81	41	42	31	18	24	12	17	8.9	41	87	1,200	8.4	8.9	16	11
Sulfate	E 300.0	34	9.1	13	12	12	180	63	17	9.0	4.1	6.7	53	33	29	240	600	350	60	18	450	120
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	2700	170	510	140	130	460	470	200	170	120	120	310	290	300	880	1,100	2,700	290	510	1200	480
		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	9.0	8.6	8.8	8.8	8.5	8.6	8.3	8.0	8.5	8.7	8.0	9.0
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	28500	0.11	63	21.5	50	1,460	2986	3,574	ND	8,240	29.0	5,610	ND	ND	ND	3,130	13.5	ND	18.7	217	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
Total Phenols	SM 5530 A,D	0.04	18.1	ND	2.25	ND	ND	ND	ND	ND	2.49	12.4	0.858	ND	ND	ND	4.0	1.8	21.2	0.64	2.9	6.9
		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	1.23	ND	3.77	2.23	4.8	1.67	21.20	7.48	0.96	19.43	5.3	11.55

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

Table 2 - Soil Laboratory Results

Analyte	Method	GSB-8 2-3'	GSB-9 2-3'	GSB-10 2-3'	GSB-11 2-3'	GSB-12 8-10'	GSB-12 18-20'	GSB-13 18-20'	GSB-14 8-10'	GSB-14 18-20'	GSB-15 8-10'	GSB-15 19-21'	GSB-16 3-5'	GSB-16 38-40'	GSB-17 3-5'	GSB-17 38-40'	GSB-18 4-5'	CSS #6
		Sample: 107016	Sample: 106786	Sample: 106789	Sample: 107159	Sample: 118048	Sample: 118049	Sample: 118050	Sample: 118051	Sample: 118052	Sample: T118241	Sample: T118242	Sample: 118543	Sample: 118544	Sample: 118541	Sample: 118542	Sample: 119284	Sample: 103645
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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
Acrylonitrile	S-8260B	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
Carbon tetrachloride	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Chlorobenzene	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
1,2-dichloroethane	S-8260B	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
1,1,1-trichloroethane	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
1,1,2-trichloroethane	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
1,1,2-trichloroethylene	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Chloroform	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Dichlorobenzene	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
1,1-dichloroethylene	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Dichloropropenes	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Ethylbenzene	S-8260B	ND	ND	3.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.088	ND	ND	ND	ND
Bromodichloromethane	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Bromomethane	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Chloromethane	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Dichlorodifluoromethane	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Dichloromethane	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Trichlorofluorometane	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Tetrachloroethylene	S-8260B	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
Trichloroethylene	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Vinyl chloride	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
m,p-xylene	S-8260B	ND	ND	15.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39	ND	ND	ND	0.19
o-xylene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.105	ND	ND	ND	ND
1,1-dichloroethane	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Ethylene dibromide	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
cis-1,2-dichlorethylene	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
trans-1,2-dichloroethylene	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND
Methylene chloride	S-8260B	ND	ND	ND	ND								ND	ND	ND	ND		ND

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

Table 2 - Soil Laboratory Results

Analyte	Method	GSB-8 2-3'	GSB-9 2-3'	GSB-10 2-3'	GSB-11 2-3'	GSB-12 8-10'	GSB-12 18-20'	GSB-13 18-20'	GSB-14 8-10'	GSB-14 18-20'	GSB-15 8-10'	GSB-15 19-21'	GSB-16 3-5'	GSB-16 38-40'	GSB-17 3-5'	GSB-17 38-40'	GSB-18 4-5'	CSS #6
		Sample: 107016	Sample: 106786	Sample: 106789	Sample: 107159	Sample: 118048	Sample: 118049	Sample: 118050	Sample: 118051	Sample: 118052	Sample: T118241	Sample: T118242	Sample: 118543	Sample: 118544	Sample: 118541	Sample: 118542	Sample: 119264	Sample: 103645
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. Dibromofluoromethane	S-8260B %	100	86	87	100	96	97	98	99	99	99	100	94	97	90	100	100	97
Surr. Toluene-d8	S-8260B %	99	84	92	99	105	104	103	104	103	104	104	101	103	103	102	106	90
Surr. 4-Bromofluorobenzene	S-8260B %	104	84	102	101	101	101	101	99	101	96	97	97	95	97	97	99	102
		mg/kg	mg/kg	mg/kg	mg/kg	mg/Kg	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
Hexachlorobenzene	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Pentachlorobenzene	S-8270C	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
Hexachloroethane	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
2,4-dichlorophenol	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
2,4,5-trichlorophenol	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
2,4,6-trichlorophenol	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
bis (2-chloroethyl) ether	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
bis (2-chloroisopropyl) ether	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
bis (chloromethyl) ether	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
3,3-dichlorobenzidine	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
2,4-dinitrotoluene	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Diphenylhydrazine	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Hexachlorobutadiene	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Hexachlorocyclopentadiene	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Isophorone	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Nitrobenzene	S-8270C	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
2,4-dinitrophenols	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
n-nitrosodiethylamine	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
N-nitrosodimethylamine	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
N-nitrosodibutylamine	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
N-nitrosodiphenylamine	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
N-nitrosopyrrolidine	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Pentachlorophenol	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Dibutyl phthalate	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
di-2-ethylhexyl phthalate	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Diethyl phthalate	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND

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

Table 2 - Soil Laboratory Results

Analyte	Method	GSB-8 2-3'	GSB-9 2-3'	GSB-10 2-3'	GSB-11 2-3'	GSB-12 8-10'	GSB-12 18-20'	GSB-13 18-20'	GSB-14 8-10'	GSB-14 18-20'	GSB-15 8-10'	GSB-15 19-21'	GSB-16 3-5'	GSB-16 38-40'	GSB-17 3-5'	GSB-17 38-40'	GSB-18 4-5'	CSS #6
		Sample: 107016	Sample: 106786	Sample: 106789	Sample: 107159	Sample: 118048	Sample: 118049	Sample: 118050	Sample: 118051	Sample: 118052	Sample: T118241	Sample: T118242	Sample: 118543	Sample: 118544	Sample: 118541	Sample: 118542	Sample: 119284	Sample: 103645
		mg/kg	mg/kg	mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dimethyl phthalate	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Anthracene	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
3,4-benzofluoranthene	S-8270C	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
Benzo(k)fluoranthene	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Fluoranthene	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Fluorene	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Phenanthrene	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Pyrene	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
Naphthalene	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
1-methylnaphthalene	S-8270C	ND	ND	2.3	ND								ND	ND	ND	ND		ND
2-methylnaphthalene	S-8270C	ND	ND	2.2	ND								ND	ND	ND	ND		ND
Benzo-a-pyrene	S-8270C	ND	ND	ND	ND								ND	ND	ND	ND		ND
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. 2-Fluorophenol	S-8270C	43	43	67	45								49	83	53	68		0
Surr. Phenol-d6	S-8270C	52	47	48	50								72	74	51	60		460
Surr. Nitroobenzene-d5	S-8270C	47	42	64	47								62	74	53	65		60
Surr. 2-Fluorobiphenyl	S-8270C	60	53	83	53								76	79	60	69		620
Surr. 2,4,6-Tribromophenol	S-8270C	57	41	65	56								83	82	68	70		0
Surr. Terphenyl-d14	S-8270C	67	52	73	87								127	114	112	95		1480
		mg/kg	mg/kg	mg/kg	mg/kg	mg/Kg	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
Chlordane	S-8080	ND	ND	ND	ND								ND	ND	ND	ND		ND
DDT	S-8080	ND	ND	ND	ND								ND	ND	ND	ND		ND
Dieldrin	S-8080	ND	ND	ND	ND								ND	ND	ND	ND		ND
Endosulfan	S-8080	ND	ND	ND	ND								ND	ND	ND	ND		ND
Endrin	S-8080	ND	ND	ND	ND								ND	ND	ND	ND		ND
Heptachlor	S-8080	ND	ND	ND	ND								ND	ND	ND	ND		ND

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

Table 2 - Soil Laboratory Results

Analyte	Method	GSB-8 2-3'	GSB-9 2-3'	GSB-10 2-3'	GSB-11 2-3'	GSB-12 8-10'	GSB-12 18-20'	GSB-13 18-20'	GSB-14 8-10'	GSB-14 18-20'	GSB-15 8-10'	GSB-15 19-21'	GSB-16 3-5'	GSB-16 38-40'	GSB-17 3-5'	GSB-17 38-40'	GSB-18 4-5'	CSS #6
		Sample: 107016	Sample: 106786	Sample: 106789	Sample: 107159	Sample: 118048	Sample: 118049	Sample: 118050	Sample: 118051	Sample: 118052	Sample: T118241	Sample: T118242	Sample: 118543	Sample: 118544	Sample: 118541	Sample: 118542	Sample: 119284	Sample: 103845
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	5.3	2.6	0.75	3.9	ND	ND	ND	ND	ND	ND	ND	1.7	1.0	4.9	ND		ND
Barium	S 6010B	276	100	315	274	602	220	25	293	221	480	1,020	172	18	154	6.5		95
Cadmium	S 6010B	ND	0.17	0.13	ND	0.42	0.38	0.34	0.28	0.28	0.35	0.37	ND	ND	ND	ND		0.31
Chromium	S 6010B	2.6	3.8	5.3	3.4	3.2	3.2	4.9	4.8	4.0	4.1	2.7	2.9	3.5	3.7	5.4		12
Lead	S 6010B	1.2	1.3	2.2	1.7	0.71	4.2	ND	ND	0.98	ND	ND	2.0	2.0	2.6	ND		7.2
		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
Total Mercury	S 7471	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.32
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Silver	S 6010B	ND	ND	ND	ND	7.8	13	17	15	14	13	6.3	ND	ND	ND	ND		ND
Uranium	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Copper	S 6010B	2.6	2.3	2.7	3.9	3.9	4.4	7.1	3.3	4.3	5.9	5.5	1.6	ND	1.5	1.5		5.4
Iron	S 6010B	1,800	3000	4100	2600	1,770	1,890	2,580	2,830	2,150	2,200	694	2,035	2,291	2,443	2,420		11000
Manganese	S 6010B	30	33	57	24	15	34	40	21	25	23	9.9	22	26	18	18		180
Zinc	S 6010B	5	5.8	9.9	5.5	5.4	5.8	8.0	8.3	6.0	10	7.0	6.6	4.6	6.7	5.6		38
Aluminum	S 6010B	3,000	4,300	5,400	3,900	2,960	3,100	3,620	4,830	3,240	3,650	990	2,750	1,813	3,895	2,072		13000
Boron	S 6010B	10	ND	ND	10	13	ND	ND	19	11	16	ND	14	ND	22	20		20
Cobalt	S 6010B	5.7	5.3	5.4	5.9	4.4	3.7	3.3	3.5	3.6	4.3	3.6	0.61	ND	ND	ND		11
Molybdenum	S 6010B	2.5	1.7	1.2	1.8	1.5	1.9	2	2.4	1.7	2.5	1.6	ND	ND	ND	ND		3.7
Nickel	S 6010B	7.1	5	4.9	5.4	27	18	14	17	23	26	38	2.8	ND	3.0	ND		11
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	4.8	5.4	8.5	7.2								2.4	1.6	4.0	1.1		0.54
Nitrate	E 300.0	5.1	ND	1.8	ND								4.8	1.9	1.4	1.9		7.2

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

Table 2 - Soil Laboratory Results

		GSB-8 2-3'	GSB-9 2-3'	GSB-10 2-3'	GSB-11 2-3'	GSB-12 8-10'	GSB-12 18-20'	GSB-13 18-20'	GSB-14 8-10'	GSB-14 18-20'	GSB-15 8-10'	GSB-15 19-21'	GSB-16 3-5'	GSB-16 38-40'	GSB-17 3-5'	GSB-17 38-40'	GSB-18 4-5'	CSS #6
Analyte	Method	Sample: 107016	Sample: 106786	Sample: 106789	Sample: 107159	Sample: 118048	Sample: 118049	Sample: 118050	Sample: 118051	Sample: 118052	Sample: T118241	Sample: T118242	Sample: 118543	Sample: 118544	Sample: 118541	Sample: 118542	Sample: 119284	Sample: 103645
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	E 300.0	290	19	100	160								17	12	34	140		43
Sulfate	E 300.0	230	110	920	56								170	30	61	270		120
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	870	400	1600	380								540	190	360	760		850
		s.u.	s.u.	s.u.	s.u.	s.u.	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	s.u.	s.u.	s.u.	s.u.	s.u.	s.u.
pH	E 150.1	8.5	8.4	8.2	8.2								8.3	9.2	8.6	8.9		7.9
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	24.1	1960	12	ND	ND	ND	ND	ND	ND	ND	665	ND	ND	ND	ND	12900
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	1.9	1.2	1.8	2.8								0.679	1.44	ND	ND		1.5
		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	3.80	11.01	2.98	2.85								1.86	ND	2.85	11.03		1.67

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

Table 2 - Soil Laboratory Results

Analyte	Method	GSB-1 58-60' Sample: 105072	GSB-1 63-65' Sample: 105073	GSB-1B 63-65' Sample: 105074	GSB-2 45-47' Sample: 105225	GSB-2 55-57' Sample: 105226	GSB-3 38-40' Sample: 107013	GSB-3 48-50' Sample: 107014	GSB-3D 48-50' Sample: 107015	GSB-4 48-50' Sample: 107003	GSB-4 57-59' Sample: 107004	GSB-4D 57-59' Sample: 107005	GSB-5 18-20' Sample: 106283	GSB-5 38-40' Sample: 106284	GSB-6 18-20' Sample: 106829	GSB-6 38-40' Sample: 106830	GSB-7 33-35' Sample: 106280	GSB-7 58-60' Sample: 106281	GSB-8 43-45' 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	ND	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	0.321	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	2.50	8.0	18.4	21.3	6.13	9.56	ND	ND	0.162	ND	2.42	ND	4.04
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	1,770	274	1,340	870	1,020	1,310	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	81	37	52	40	66	77	150	120	75	11	37	11	100

Analyte	Method	GSB-8 57-59' Sample: 107018	GSB-8D 57-59' Sample: 107019	GSB-9 13-15' Sample: 106787	GSB-9 50-52' Sample: 106788	GSB-10 3-5' Sample: 106790	GSB-10 50-52' Sample: 106791	GSB-11 Sample: 107162	GSB-11 2-3' Sample: 107160	GSB-11 48-50' Sample: 107161	CSS #1 0 - 1' Sample: 103639	CSS #2 0 - 1' Sample: 103640	CSS #3 Sample: 103641	CSS #4 Sample: 103642	CSS #5 Sample: 103643	CSS #7 Sample: 103644	CSS #8 Sample: 104146	TSB-1 43-45' Sample: 105981	TSB-7 28-30' Sample: 106028	TSB-10 28-31' 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
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	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 IV for detection limits.

Table 2 - Soil Laboratory Results

Analyte	Method	GBN-1 6"	GBN-2 6"	GBN-3 6"	GBN-5 6"	GBN-6 6"	GBN-7 6"	GBS-1 6"	GBS-2 6"	GBS-3 6"	GBS-4 6"	GBS-5 6"	GBS-6 6"	BCKG-1 6"	BCKG-2 6"	BCKG-3 6"
		Sample: 117626	Sample: 117627	Sample: 117628	Sample: 120225	Sample: 120226	Sample: 120227	Sample: 117629	Sample: 117630	Sample: 117631	Sample: 120225	Sample: 120226	Sample: 120227	Sample: 117632	Sample: 117633	Sample: 117634
		mg/Kg	mg/Kg	mg/Kg	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						
Acrylonitrile	S-8260B	ND	ND	ND				ND	ND	ND						
Benzene	S-8260B	ND	ND	ND				ND	ND	ND						
Carbon tetrachloride	S-8260B	ND	ND	ND				ND	ND	ND						
Chlorobenzene	S-8260B	ND	ND	ND				ND	ND	ND						
1,2-dichloroethane	S-8260B	ND	ND	ND				ND	ND	ND						
1,1,2,2-tetrachloroethane	S-8260B	ND	ND	ND				ND	ND	ND						
1,1,1-trichloroethane	S-8260B	ND	ND	ND				ND	ND	ND						
1,1,2-trichloroethane	S-8260B	ND	ND	ND				ND	ND	ND						
1,1,2-trichloroethylene	S-8260B	ND	ND	ND				ND	ND	ND						
Chloroform	S-8260B	ND	ND	ND				ND	ND	ND						
Dichlorobenzene	S-8260B	ND	ND	ND				ND	ND	ND						
1,1-dichloroethylene	S-8260B	ND	ND	ND				ND	ND	ND						
Dichloropropenes	S-8260B	ND	ND	ND				ND	ND	ND						
Ethylbenzene	S-8260B	ND	ND	ND				ND	ND	ND						
Bromodichloromethane	S-8260B	ND	ND	ND				ND	ND	ND						
Bromomethane	S-8260B	ND	ND	ND				ND	ND	ND						
Chloromethane	S-8260B	ND	ND	ND				ND	ND	ND						
Dichlorodifluoromethane	S-8260B	ND	ND	ND				ND	ND	ND						
Dichloromethane	S-8260B	ND	ND	ND				ND	ND	ND						
Trichlorofluorometane	S-8260B	ND	ND	ND				ND	ND	ND						
Tetrachloroethylene	S-8260B	ND	ND	ND				ND	ND	ND						
Toluene	S-8260B	ND	ND	ND				ND	ND	ND						
Trichloroethylene	S-8260B	ND	ND	ND				ND	ND	ND						
Vinyl chloride	S-8260B	ND	ND	ND				ND	ND	ND						
m,p-xylene	S-8260B	ND	ND	ND				ND	ND	ND						
o-xylene	S-8260B	ND	ND	ND				ND	ND	ND						
1,1-dichloroethane	S-8260B	ND	ND	ND				ND	ND	ND						
Ethylene dibromide	S-8260B	ND	ND	ND				ND	ND	ND						
cis-1,2-dichlorethylene	S-8260B	ND	ND	ND				ND	ND	ND						
trans-1,2-dichloroethylene	S-8260B	ND	ND	ND				ND	ND	ND						
Methylene chloride	S-8260B	ND	ND	ND				ND	ND	ND						

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

Table 2 - Soil Laboratory Results

Analyte	Method	GBN-1 6"	GBN-2 6"	GBN-3 6"	GBN-5 6"	GBN-6 6"	GBN-7 6"	GBS-1 6"	GBS-2 6"	GBS-3 6"	GBS-4 6"	GBS-5 6"	GBS-6 6"	BCKG-1 6"	BCKG-2 6"	BCKG-3 6"
		Sample: 117626	Sample: 117627	Sample: 117628	Sample: 120225	Sample: 120226	Sample: 120227	Sample: 117629	Sample: 117630	Sample: 117631	Sample: 120225	Sample: 120226	Sample: 120227	Sample: 117632	Sample: 117633	Sample: 117634
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. Dibromofluoromethane	S-8260B %	99	100	99				102	106	99						
Surr. Toluene-d8	S-8260B %	98	99	100				100	99	100						
Surr. 4-Bromofluorobenzene	S-8260B %	101	100	96				99	101	98						
		mg/kg	mg/kg	mg/kg	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												
Hexachlorobenzene	S-8270C	ND	ND	ND												
Pentachlorobenzene	S-8270C	ND	ND	ND												
1,2,4,5-tetrachlorobenzene	S-8270C	ND	ND	ND												
Hexachloroethane	S-8270C	ND	ND	ND												
2,4-dichlorophenol	S-8270C	ND	ND	ND												
2,4,5-trichlorophenol	S-8270C	ND	ND	ND	ND	ND	ND									
2,4,6-trichlorophenol	S-8270C	ND	ND	ND	ND	ND	ND									
bis (2-chloroethyl) ether	S-8270C	ND	ND	ND												
bis (2-chloroisopropyl) ether	S-8270C	ND	ND	ND												
bis (chloromethyl) ether	S-8270C	ND	ND	ND												
3,3-dichlorobenzidine	S-8270C	ND	ND	ND												
2,4-dinitrotoluene	S-8270C	ND	ND	ND												
Diphenylhydrazine	S-8270C	ND	ND	ND												
Hexachlorobutadiene	S-8270C	ND	ND	ND												
Hexachlorocyclopentadiene	S-8270C	ND	ND	ND												
Isophorone	S-8270C	ND	ND	ND												
Nitrobenzene	S-8270C	ND	ND	ND												
2,4-dinitro-o-cresol	S-8270C	ND	ND	ND	ND	ND	ND									
2,4-dinitrophenols	S-8270C	ND	ND	ND	ND	ND	ND									
n-nitrosodiethylamine	S-8270C	ND	ND	ND												
N-nitrosodimethylamine	S-8270C	ND	ND	ND												
N-nitrosodibutylamine	S-8270C	ND	ND	ND												
N-nitrosodiphenylamine	S-8270C	ND	ND	ND												
N-nitrosopyrrolidine	S-8270C	ND	ND	ND												
Pentachlorophenol	S-8270C	ND	ND	ND	ND	ND	ND									
Dibutyl phthalate	S-8270C	ND	ND	ND												

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

Table 2 - Soil Laboratory Results

Analyte	Method	GBN-1 6"	GBN-2 6"	GBN-3 6"	GBN-5 6"	GBN-6 6"	GBN-7 6"	GBS-1 6"	GBS-2 6"	GBS-3 6"	GBS-4 6"	GBS-5 6"	GBS-6 6"	BCKG-1 6"	BCKG-2 6"	BCKG-3 6"
		Sample: 117626	Sample: 117627	Sample: 117628	Sample: 120225	Sample: 120226	Sample: 120227	Sample: 117629	Sample: 117630	Sample: 117631	Sample: 120225	Sample: 120226	Sample: 120227	Sample: 117632	Sample: 117633	Sample: 117634
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
di-2-ethylhexyl phthalate	S-8270C	ND	ND	ND												
Diethyl phthalate	S-8270C	ND	ND	ND												
Dimethyl phthalate	S-8270C	ND	ND	ND												
Anthracene	S-8270C	ND	ND	ND												
3,4-benzofluoranthene	S-8270C	ND	ND	ND												
Benzo(k)fluoranthene	S-8270C	ND	ND	ND												
Fluoranthene	S-8270C	ND	ND	ND												
Fluorene	S-8270C	ND	ND	ND												
Phenanthrene	S-8270C	ND	ND	ND												
Pyrene	S-8270C	ND	ND	ND												
Naphthalene	S-8270C	ND	ND	ND												
1-methylnaphthalene	S-8270C	ND	ND	ND												
2-methylnaphthalene	S-8270C	ND	ND	ND												
Benzo-a-pyrene	S-8270C	ND	ND	ND												
2-Chlorophenol	S-8270C				ND	ND	ND									
2-Methyphenol	S-8270C				ND	ND	ND									
3-Methyphenol	S-8270C				ND	ND	ND									
4-Methyphenol	S-8270C				ND	ND	ND									
2-Nitrophenol	S-8270C				ND	ND	ND									
2,4-Dimethylphenol	S-8270C				ND	ND	ND									
2,6-dichlorphenol	S-8270C				ND	ND	ND									
4-Chloro-3-methylphenol	S-8270C				ND	ND	ND									
4-Nitrophenol	S-8270C				ND	ND	ND									
2,3,4,6-Tetrachlorophenol	S-8270C				ND	ND	ND									
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. 2-Fluorophenol	S-8270C	35	21	32	76	67	51									
Surr. Phenol-d6	S-8270C	39	15	41	81	77	53									
Surr. Nitrobenzene-d5	S-8270C	67	52	55	76	74	54									
Surr. 2-Fluorobiphenyl	S-8270C	89	80	77	80	84	64									
Surr. 2,4,6-Tribromophenol	S-8270C	56	23	67	60	80	60									
Surr. Terphenyl-d14	S-8270C	86	64	89	85	105	77									

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

Table 2 - Soil Laboratory Results

Analyte	Method	GBN-1 6"	GBN-2 6"	GBN-3 6"	GBN-5 6"	GBN-6 6"	GBN-7 6"	GBS-1 6"	GBS-2 6"	GBS-3 6"	GBS-4 6"	GBS-5 6"	GBS-6 6"	BCKG-1 6"	BCKG-2 6"	BCKG-3 6"
		Sample: 117626	Sample: 117627	Sample: 117628	Sample: 120225	Sample: 120226	Sample: 120227	Sample: 117629	Sample: 117630	Sample: 117631	Sample: 120225	Sample: 120226	Sample: 120227	Sample: 117632	Sample: 117633	Sample: 117634
		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Aldrin	S-8080	ND	ND	ND												
Chlordane	S-8080	ND	ND	ND												
DDT	S-8080	ND	ND	ND												
Dieldrin	S-8080	ND	ND	ND												
Endosulfan	S-8080	ND	ND	ND												
Endrin	S-8080	ND	ND	ND												
Heptachlor	S-8080	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
PCB's	S 8082	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
Arsenic	S 6010B	ND	ND	ND	2.0	2.0	1.3	ND	ND	ND	1.8	1.6	1.6	ND	ND	ND
Barium	S 6010B	206	146	108	173	127	209	152	143	144	154	144	113	106	218	187
Cadmium	S 6010B	1.5	0.80	0.92	ND	ND	ND	0.81	0.83	1.2	ND	ND	ND	0.77	0.92	0.88
Chromium	S 6010B	9.2	10	7.5	9.0	8.1	10	8.8	8.7	14	7.0	7.6	9.5	8.8	13	9.3
Lead	S 6010B	17	7.5	10	6.4	4.5	15	8.6	8.5	12	4.8	4.4	8.6	5.1	14	6.8
		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
Total Mercury	S 7471	0.12	ND	0.13	0.14	ND	0.11	ND	ND	ND	ND	ND	ND	0.12	3.9	0.14
		mg/Kg	mg/Kg	mg/Kg	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	S 6010B	25	29	30	ND	ND	ND	25	25	30	ND	ND	ND	24	24	25
Uranium	S 6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	S 6010B	11	8.4	21	5.1	5.1	7.9	8.0	8.2	11	4.5	4.8	6.4	8.3	11	8.4
Iron	S 6010B	6,850	8,160	7,210	9,600	9,300	11,000	6,380	6,000	9,370	7,960	8,850	10,300	6460	6,140	7,000
Manganese	S 6010B	169	184	56	180	147	257	164	133	232	155	159	209	147	130	169
Zinc	S 6010B	76	35	35	30	27	73	28	28	42	24	25	30	23	47	27
Aluminum	S 6010B	7,270	9,410	4,350	11,300	11,200	12,400	7,130	6,890	11,100	9,240	10,400	12,000	7660	6,630	8,050
Boron	S 6010B	25	21	17	53	50	60	17	15	26	44	47	54	14	15	17
Cobalt	S 6010B	6.7	6.9	4.4	2.7	2.8	3.1	6.2	6.4	9.7	2.7	2.9	2.9	6.9	6.9	7.3

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

Table 2 - Soil Laboratory Results

Analyte	Method	GBN-1 6"	GBN-2 6"	GBN-3 6"	GBN-5 6"	GBN-6 6"	GBN-7 6"	GBS-1 6"	GBS-2 6"	GBS-3 6"	GBS-4 6"	GBS-5 6"	GBS-6 6"	BCKG-1 6"	BCKG-2 6"	BCKG-3 6"
		Sample: 117626	Sample: 117627	Sample: 117628	Sample: 120225	Sample: 120226	Sample: 120227	Sample: 117629	Sample: 117630	Sample: 117631	Sample: 120225	Sample: 120226	Sample: 120227	Sample: 117632	Sample: 117633	Sample: 117634
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Molybdenum	S 6010B	2.5	2.5	2.7	ND	ND	ND	2.5	2.6	3.8	ND	ND	ND	2.4	2.5	2.6
Nickel	S 6010B	21	22	34	10	10	12	31	30	38	9.7	10	11	32	33	26
		mg/Kg	mg/Kg	mg/Kg	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												
		mg/Kg	mg/Kg	mg/Kg	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	0.56	0.70	1.5												
Nitrate	E 300.0	12	29	1.5												
Chloride	E 300.0	49	34	52				11	87	12						
Sulfate	E 300.0	140	200	3,000												
		mg/Kg	mg/Kg	mg/Kg	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	1300	1300	6,200												
		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	7.6	7.8	5.6												
		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
TRPHC	S 418.1	8570	2060	52,000	ND	87.8	ND	11,000	25,800	4360	730	419	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
Total Phenols	SM 5530 A,D	1.66	5.59	3.70	ND	ND	ND									
		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	2.91	2.52	1.88												

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

Table 3

Soil Vapor Analytical Results

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8	SV-9	SV-10	SV-11
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	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	7/28/98
TIME ANALYZED	8:33	9:09	9:46	10:11	10:34	10:57	11:20	11:46	12:42	13:12	13:26
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	(2)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methane	17	45	7	2	4	2	3	3	2	5	2
Ethane	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-12	SV-13	SV-14	SV-15	SV-16	SV-17	SV-18	SV-19	SV-20	SV-21	SV-22
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	7/28/98	7/27/98	7/27/98	7/27/98	7/27/98	7/27/98	7/27/98	7/27/98	7/28/98	7/28/98	7/29/98
TIME ANALYZED	14:02	11:02	11:27	11:50	12:40	13:03	13:26	13:50	14:24	14:47	8:38
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	2	ND	ND	ND	ND	ND
Methane	4	3	4	16	16	56	9	8	5	5	7
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.

"*" INDICATES TENTATIVELY IDENTIFIED

ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

PERFORMED BY Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-23	SV-24	SV-25	SV-26	SV-27	SV-28	SV-29	SV-30	SV-31	SV-32	SV-33
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	7/29/98	7/29/98	7/29/98	7/29/98	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98
TIME ANALYZED	9:04	9:29	9:58	10:24	8:49	9:14	9:40	10:03	10:28	11:15	10:50
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	(700)	(13)	(7)	ND	ND	ND	ND	ND	ND	ND
Methane	4	3	5	20	8	3	3	4	3	6	5
Ethane	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-34	SV-35	SV-36	SV-37	SV-38	SV-39	SV-40	SV-41	SV-42	SV-43	SV-44
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	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	7/28/98	7/27/98	7/27/98	7/27/98	7/27/98	7/27/98
TIME ANALYZED	11:44	12:06	13:08	13:34	13:56	15:16	16:20	15:30	15:06	14:41	14:18
Method 8021											
Benzene	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	65	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	600	ND	ND	ND	ND	ND
Methane	9	8	8	3	3	16	2	17	27	2	5
Ethane	ND	ND	ND	ND	ND	1	ND	ND	2	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-45	SV-46	SV-47	SV-48	SV-49	SV-50	SV-51	SV-52	SV-53	SV-54	SV-55
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	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	7/28/98	7/27/98	7/27/98
TIME ANALYZED	14:20	13:56	13:33	12:56	12:03	11:38	11:16	10:49	15:48	15:55	16:42
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	(1)	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	(1)	(2)	(4)	(3)	(3)	(3)	(7)	ND	ND
Methane	1	3	7	5	20	6	3	5	10	5	9
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.

"()" INDICATES TENTATIVELY IDENTIFIED

ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-56	SV-57	SV-58	SV-59	SV-60	SV-61	SV-62	SV-63	SV-64	SV-65	SV-66
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	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	7/30/98	7/30/98	7/30/98	7/30/98	7/30/98
TIME ANALYZED	15:50	15:29	15:05	14:43	16:13	16:35	14:18	14:44	15:06	15:29	15:52
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	ND
Methane	4	8	4	4	2		5	2	3	5	6
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-67	SV-68	SV-69	SV-70	SV-71	SV-72	SV-73	SV-74	SV-75	SV-76	SV-77
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/18/98	7/27/98	8/19/98	8/19/98	8/19/98	8/19/98	7/31/98	7/31/98	7/31/98	7/31/98	7/30/98
TIME ANALYZED	15:09	12:16	10:22	10:45	11:08	11:32	9:45	9:24	9:02	8:41	17:00
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	ND
Methane	2	27	1	2	2	1	6	12	9	12	4
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-78	SV-79	SV-80	SV-81	SV-82	SV-83	SV-84	SV-85	SV-86	SV-87	SV-88
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	7/30/98	7/30/98	8/19/98	8/19/98	7/31/98	7/31/98	7/31/98	7/31/98	7/31/98	7/31/98	7/31/98
TIME ANALYZED	16:39	16:17	9:39	10:01	15:37	15:14	14:53	14:31	14:09	13:46	11:41
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	ND
Methane	2	4	7	2	3	4	7	9	1	3	8
Ethane	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-89	SV-90	SV-91	SV-92	SV-93	SV-94	SV-95	SV-96	SV-97	SV-98	SV-99
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	7/31/98	7/31/98	7/31/98	7/31/98	8/14/98	8/14/98	8/13/98	8/12/98	8/11/98	8/11/98	8/12/98
TIME ANALYZED	11:18	10:55	10:32	10:10	11:20	10:54	14:01	15:36	9:00	9:23	16:01
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	1	ND
Methane	5	4	2	7	5	4	5	7	2	4	4
Ethane	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-100	SV-101	SV-102	SV-103	SV-104	SV-105	SV-106	SV-107	SV-108	SV-109	SV-110
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/13/98	8/14/98	8/13/98	8/13/98	8/18/98	8/18/98	8/13/98	8/13/98	8/14/98	8/14/98	8/13/98
TIME ANALYZED	14:25	13:22	14:50	8:52	10:48	11:12	9:17	15:18	13:51	14:20	15:43
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	(1)	(1)	ND	ND	(1)	ND	(1)	ND	ND	ND
Methane	3	3	5	3	4	11	3	1	3	2	1
Ethane	ND	1	1	ND	ND	3	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND
Butane	ND	1	ND	ND	ND	1	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-980727

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-111	SV112	SV-113	SV-114	SV-115	SV-116	SV-117	SV-118	SV-119	SV-120	SV-121
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/13/98	8/11/98	8/11/98	8/13/98	8/13/98	8/14/98	8/14/98	8/14/98	8/13/98	8/11/98	8/11/98
TIME ANALYZED	9:42	9:48	10:14	10:08	16:05	14:44	15:09	8:31	10:33	10:42	11:07
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	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methane	2	3	13	3	2	1	2	4	3	6	2
Ethane	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-122	SV-123	SV-124	SV-125	SV-126	SV-127	SV-128	SV-129	SV-130	SV-131	SV-132
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	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	8/13/98	8/11/98	8/11/98	8/13/98	8/14/98	8/14/98
TIME ANALYZED	10:59	8:56	15:33	15:56	9:18	11:25	11:33	11:58	13:10	9:40	16:18
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	ND
Methane	2	7	1	2	4	3	3	2	5	6	2
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-133	SV-134	SV-135	SV-136	SV-137	SV-138	SV-139	SV-140	SV-141	SV-142	SV-143
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/18/98	8/14/98	8/13/98	8/11/98	8/11/98	8/11/98	8/14/98	8/18/98	8/18/98	8/18/98	8/7/98
TIME ANALYZED	14:43	10:02	13:36	13:29	13:58	8:31	10:27	14:18	13:54	12:04	16:00
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	1	ND	ND
Methane	2	2	8	9	4	4	4	1	3	8	2
Ethane	ND	ND	1	1	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-144	SV-145	SV-146	SV-147	SV-148	SV-149	SV-150	SV-151	SV-152	SV-153	SV-154
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/11/98	8/11/98	8/7/98	8/18/98	8/18/98	8/19/98	8/18/98	8/18/98	8/5/98	8/5/98	8/5/98
TIME ANALYZED	14:27	14:52	15:36	11:39	13:26	9:15	15:58	15:33	9:47	9:21	8:53
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	1	ND	ND	ND	1
Methane	6	1	4	1	5	6	2	2	7	7	4
Ethane	ND	ND	ND	ND	1	1	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2

"ND" INDICATES NOT DETECTED AT OR BELOW 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-155	SV-156	SV-157	SV-158	SV-159	SV-160	SV-161	SV-162	SV-163	SV-164	SV-165
DEPTH (FT)	5	5	5	5	2	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/11/98	8/6/98	8/7/98	8/10/98	8/10/98	8/7/98	8/6/98	8/11/98	8/4/98	8/3/98	8/5/98
TIME ANALYZED	15:17	15:45	15:11	9:34	10:22	14:42	15:13	15:44	15:13	8:39	10:13
Method 8021											
Benzene	ND	ND	ND	4	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	1	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	40	ND	3	1	3	ND	37	ND
Methane	2	2	2	30000	20	6	4	10	3	4	5
Ethane	ND	ND	ND	1000	3	1	ND	3	ND	ND	ND
Propane	ND	ND	ND	800	1	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	6	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-166	SV-167	SV-168	SV-169	SV-170	SV-171	SV-172	SV-173	SV-174	SV-175	SV-176
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/5/98	8/3/98	8/4/98	8/11/98	8/6/98	8/7/98	8/10/98	8/10/98	8/7/98	8/6/98	8/12/98
TIME ANALYZED	10:41	9:06	14:47	16:10	14:36	14:12	10:51	11:19	13:30	14:09	8:33
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	(1)	(1)	(1)	ND	ND	(2)	ND	ND	ND	(1)	ND
Methane	5	3	6	4	6	20	3	4	4	3	8
Ethane	ND	ND	ND	ND	1	3	ND	1	ND	ND	ND
Propane	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727 *BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO*

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-177	SV-178	SV-179	SV-180	SV-181	SV-181A	SV-182	SV-183	SV-184	SV-185	SV-186
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/4/98	8/3/98	8/5/98	8/5/98	8/3/98	8/3/98	8/4/98	8/12/98	8/6/98	8/7/98	8/10/98
TIME ANALYZED	14:20	9:30	11:06	11:33	10:31	10:04	13:50	9:02	13:43	11:33	11:45
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	(2)	(3)	(1)	(4)	ND	ND	(30)	ND	(1)	(2)	ND
Methane	6	10	6	7	9	3	7	4	2	8	3
Ethane	1	ND	ND	1	1	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-187	SV-188	SV-189	SV-190	SV-191	SV-191A	SV-191B	SV-191C	SV-191D	SV-192	SV-193
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/10/98	8/7/98	8/6/98	8/12/98	8/4/98	8/4/98	8/4/98	8/4/98	8/4/98	8/3/98	8/5/98
TIME ANALYZED	14:01	11:06	11:45	9:28	10:49	10:24	11:18	11:46	12:13	11:42	12:02
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	(7)	ND	ND	ND	(1)	ND	ND	ND	ND	ND	(1)
Methane	7	2	3	6	5	3	3	4	4	4	3
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"()" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-980727

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-194	SV-195	SV-196	SV-197	SV-198	SV-199	SV-200	SV-201	SV-202	SV-203	SV-204
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/5/98	8/3/98	8/4/98	8/12/98	8/6/98	8/7/98	8/10/98	8/10/98	8/7/98	8/6/98	8/12/98
TIME ANALYZED	13:36	11:42	9:56	9:53	11:16	10:38	14:27	14:54	10:10	10:49	10:18
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	(1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methane	8	4	5	3	4	3	130	4	6	3	4
Ethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-205	SV-206	SV-207	SV-208	SV-209	SV-210	SV-211	SV-212	SV-213	SV-214	SV-215
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/4/98	8/3/98	8/5/98	8/5/98	8/3/98	8/4/98	8/12/98	8/6/98	8/7/98	8/10/98	8/10/98
TIME ANALYZED	8:58	12:05	14:10	14:49	13:38	9:30	10:49	10:22	9:42	15:22	15:49
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	(10*)	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	(2)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methane	5	4	3	5	3	3	2	3	2	3	9
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-216	SV-217	SV-218	SV-219	SV-220	SV-221	SV-222	SV-223	SV-224	SV-225	SV-226
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/7/98	8/6/98	8/12/98	8/3/98	8/3/98	8/5/98	8/3/98	8/3/98	8/12/98	8/6/98	8/7/98
TIME ANALYZED	9:16	9:54	11:18	16:41	14:02	15:22	14:28	16:14	11:45	9:27	7:45
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	ND
Methane	3	3	1	5	8	3	2	4	1	4	2
Ethane	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-227	SV-228	SV-229	SV-230	SV-231	SV-232	SV-233	SV-234	SV-235	SV-236	SV-237
DEPTH (FT)	5	5	5	5	5	5	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/10/98	8/10/98	8/12/98	8/12/98	8/12/98	8/12/98	8/3/98	8/3/98	8/5/98	8/6/98	8/12/98
TIME ANALYZED	16:20	9:06	15:10	14:44	14:18	13:52	15:57	14:55	15:54	8:58	13:24
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	(1)	ND	ND	ND	ND
Methane	24	5	3	3	3	2	4	3	3	2	10
Ethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Results

Westgate Subdivision

TEG Project #T3-980727

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-238	SV-239	SV-240	SV-241	SV-242	SV-243	SV-244	SV-245	SV-246	SV-247	SV-248
DEPTH (FT)	5	5	5	5	10	5	10	5	10	5	10
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	7/28/98	8/19/98	8/19/98	2/1/99	2/1/99	2/1/99	2/1/99	2/1/99	2/1/99	2/1/99	2/1/99
TIME ANALYZED	16:40	8:20	8:49	10:04	10:28	10:53	11:15	11:37	11:37	12:20	12:40
Method 8021											
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	6	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	7	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	200	200	3	ND	ND	ND	ND	ND	ND	ND	ND
Methane	200	4	3	8	3	10	8	7	8	10	8
Ethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	19	2	ND	ND	ND	ND	ND	ND	ND	ND	ND

"ND" INDICATES NOT DETECTED AT OR BELOW 1 ug/L FOR EACH ANALYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY:Richard Rodriguez

Table 3 - Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-990201

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-249	SV-250	SV-251	SV-252	SV-253	SV-254	SV-255	SV-256	SV-257	SV-258	SV-259
DEPTH (FT)	5	10	5	9	5	8	5	9	5	8	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	2/1/99	2/1/99	2/1/99	2/1/99	2/1/99	2/1/99	2/1/99	2/1/99	2/2/99	2/2/99	2/2/99
TIME ANALYZED	13:56	14:21	14:48	15:17	15:37	16:02	16:29	16:56	11:06	11:37	11:58
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
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	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	(5)	(14)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methane	3	21	20	24	20	11	74	25	8	8	7
Ethane	ND	2	2	3	2	ND	10	3	ND	ND	ND
Propane	ND	ND	ND	1	ND	ND	5	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Gases (%)											
Carbon dioxide											
Oxygen											
Nitrogen											

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANLYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.

"*" INDICATES TENTATIVELY IDENTIFIED

ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: Richard Rodriguez

Table 3 - Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-990201

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-260	SV-261	SV-262	SV-263	SV-264	SV-265	SV-266	SV-267	SV-268	SV-269	SV-270
DEPTH (FT)	8	5	8	5	10	5	9	5	10	5	8
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	2/2/99	2/2/99	2/2/99	2/2/99	2/2/99	2/2/99	2/2/99	2/2/99	2/2/99	2/2/99	2/2/99
TIME ANALYZED	12:22	13:34	13:58	14:23	14:53	15:19	15:48	16:13	16:36	17:00	17:22
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
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	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	ND
Methane	2	7	7	8	20	7	50	2	27	17	27
Ethane	ND	ND	ND	ND	1	ND	3	ND	2	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Gases (%)											
Carbon dioxide											
Oxygen											
Nitrogen											

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANLYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.

"*" INDICATES TENTATIVELY IDENTIFIED

ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: Richard Rodriguez

Table 3 - Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-990201

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-271	SV-272	SV-273	SV-274	SV-275	SV-276	SV-277	SV-278	SV-279	SV-280	SV-281
DEPTH (FT)	5	8	1	3	5	10	5	1	3	5	10
PURGE (CC)	60	60	50	50	50	50	50	50	50	50	50
DATE ANALYZED	2/3/99	2/3/99	5/17/99	5/17/99	5/17/99	5/17/99	5/17/99	5/17/99	5/17/99	5/17/99	5/17/99
TIME ANALYZED	8:50	9:16	9:13	9:45	10:59	11:20	11:49	12:11	12:42	13:11	13:34
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
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	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	ND
Methane	8	9	7	13	19	24	19	14	20	26	19
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Gases (%)											
Carbon dioxide			0.59	NA	1.76	2.33	2.78	1.67	3.29	4.32	5.11
Oxygen			20	NA	19	19	19	19	18	17	13
Nitrogen			80	NA	75	77	76	75	76	77	82

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANLYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.

"*" INDICATES TENTATIVELY IDENTIFIED

ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: Richard Rodriguez

Table 3 - Soil Gas Survey Results

Westgate Subdivision
BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-990201

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-282	SV-283	SV-284	SV-285	SV-286	SV-287	SV-288	SV-289	SV-290	SV-291	SV-292
DEPTH (FT)	5.5	1	3	5	9.5	5	1	3	5	10	5
PURGE (CC)	50	50	50	50	50	50	50	50	50	50	50
DATE ANALYZED	5/17/99	5/17/99	5/17/99	5/17/99	5/17/99	5/17/99	5/18/99	5/18/99	5/18/99	5/18/99	5/18/99
TIME ANALYZED	13:55	15:10	15:32	15:59	16:21	16:49	8:36	9:08	9:33	9:58	10:22
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
Ethylbenzene	ND	ND	ND	ND	(1)	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	(8)	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	(4)	ND	ND	(95)	ND	ND	ND	ND	ND	ND
Methane	19	9	9	13	23	13	6	10	5	14	3
Ethane	ND	ND	ND	ND	2	ND	ND	ND	ND	2	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Gases (%)											
Carbon dioxide	4.92	2.35	4.84	1.20	8.00	3.20	0.90	0.90	6.00	7.00	6.00
Oxygen	16	19	15	20	8	17	20	20	14	11	14
Nitrogen	77	80	80	79	76	78	76	76	79	84	82

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANLYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.
"*" INDICATES TENTATIVELY IDENTIFIED
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY: Richard Rodriguez

Table 3 - Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-990201

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-293	SV-294	SV-295	SV-296	SV-297	SV-298	SV-299	SV-300	SV-301	SV-302	SV-303
DEPTH (FT)	1	3	5	10	7	1	3	5	10	7	1
PURGE (CC)	50	50	50	50	50	50	50	50	50	50	50
DATE ANALYZED	5/18/99	5/18/99	5/18/99	5/18/99	5/18/99	5/18/99	5/18/99	5/18/99	5/18/99	5/18/99	5/19/99
TIME ANALYZED	10:49	11:13	11:45	12:09	12:35	13:42	14:07	14:33	14:57	15:20	14:37
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
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	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	1*	ND	ND	ND	ND	ND
Methane	10	11	12	9	8	12	7	12	24	10	15
Ethane	ND	ND	ND	ND	ND	ND	ND	1	4	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Gases (%)											
Carbon dioxide	0.80	1.00	2.00	1.15	3.10	1.50	5.51	0.73	5.51	8	1.20
Oxygen	21	19	19	19	18	20	15	20	20	12	20
Nitrogen	77	71	79	79	80	79	78	79	79	80	78

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANLYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.

"*" INDICATES TENTATIVELY IDENTIFIED

ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: Richard Rodriguez

Table 3 - Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-990201

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-304	SV-305	SV-306	SV-307	SV-308	SV-309	SV-310	SV-311	SV-312	SV-313	SV-314
DEPTH (FT)	3	5	9	5.5	1	3	5	10	7	1	3
PURGE (CC)	50	50	50	50	50	50	50	50	50	50	50
DATE ANALYZED	5/19/99	5/19/99	5/19/99	5/19/99	5/20/99	5/20/99	5/20/99	5/20/99	5/20/99	5/19/99	5/19/99
TIME ANALYZED	15:03	15:29	15:53	16:20	8:08	8:29	8:59	9:24	9:50	8:40	9:05
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
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	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	16	ND	ND	ND	ND	ND	ND	ND	ND
Methane	16	3	35	9	13	12	9	6	12	14	32
Ethane	ND	ND	7	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Fixed Gases (%)											
Carbon dioxide	2.00	7.00	9.00	7.00	2.28	2.00	1.73	1.32	3.17	1.20	0.60
Oxygen	18	14	7	13	20	19	19	19	18	18	20
Nitrogen	77	82	80	80	76	75	74	78	78	79	79

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANLYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.

"*" INDICATES TENTATIVELY IDENTIFIED

ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: Richard Rodriguez

Table 3 - Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-990201

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-315	SV-316	SV-317	SV-318	SV-319	SV-320	SV-321	SV-322	SV-323	SV-324	SV-325
DEPTH (FT)	5	7.5	10	6.5	1	3	5	7.5	10	7	1
PURGE (CC)	50	50	50	50	50	50	50	50	50	50	50
DATE ANALYZED	5/19/99	5/19/99	5/19/99	5/19/99	5/19/99	5/19/99	5/19/99	5/19/99	5/19/99	5/19/99	5/20/99
TIME ANALYZED	9:31	9:54	10:18	10:55	11:17	11:41	12:07	12:33	12:55	14:14	10:17
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
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	2	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	38	ND	ND	ND	ND	ND	90	ND	ND
Methane	9	7	10	4	15	8	8	8	7	6	8
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Gases (%)											
Carbon dioxide	6.84	4.65	8.62	0.36	1.27	4.86	7.86	9.48	4.64	7.00	0.15
Oxygen	14	15	10	20	19	12	12	10	2	13	20
Nitrogen	81	78	81	76	78	62	79	77	26	80	73

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANLYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.

"*" INDICATES TENTATIVELY IDENTIFIED

ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: Richard Rodriguez

Table 3 - Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-990201

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-326	SV-327	SV-328	SV-329	SV-330	SV-331	SV-332	SV-333	SV-334	SV-335	SV-336
DEPTH (FT)	3	5	10	11	1	3	5	10	10	1	3
PURGE (CC)	50	50	50	50	50	50	50	50	50	50	50
DATE ANALYZED	5/20/99	5/20/99	5/20/99	5/20/99	5/20/99	5/20/99	5/20/99	5/20/99	5/20/99	5/21/99	5/21/99
TIME ANALYZED	10:47	11:14	11:40	12:09	13:11	13:36	14:01	14:33	14:58	8:58	9:19
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
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	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	(1)	ND	ND	(2)	ND	ND	ND	ND	ND	ND	ND
Methane	11	4	9	15	9	10	8	15	19	19	19
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Gases (%)											
Carbon dioxide	0.96	2.00	3.73	2.72	1.19	2.00	2.07	2.03	1.27	0.53	1.01
Oxygen	20	18	15	18	18	18	18	18	18	19	17.2
Nitrogen	77	73	70	79	80	76	80	80	82	76	70

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANLYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.

"*" INDICATES TENTATIVELY IDENTIFIED

ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: Richard Rodriguez

Table 3 - Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-990201

(USEPA Method 8021/8015 Modified) ANALYSES OF VAPORS

SAMPLE ID	SV-337	SV-338	SV-339	SV-340	SV-341	SV-342	SV-343	SV-344
DEPTH (FT)	5	10	10	1	3	5	10	10
PURGE (CC)	50	50	50	50	50	50	50	50
DATE ANALYZED	5/21/99	5/21/99	5/21/99	5/21/99	5/21/99	5/21/99	5/21/99	5/21/99
TIME ANALYZED	9:49	10:13	8:34	10:47	11:09	11:35	11:55	12:09
Method 8021								
Benzene	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND
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	ND	ND	ND	ND	ND	ND	ND
Methane	16	13	18	15	14	18	11	13
Ethane	ND	2	ND	ND	ND	ND	1	1
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	ND
Fixed Gases (%)								
Carbon dioxide	1.33	0.26	0.9	1.02	0.27	1.92	0.96	0.79
Oxygen	19	18	20	20	21	19	19	20
Nitrogen	79	75	79	80	79	79	77	76

"ND" INDICATES NOT DETECTED AT OR BELOW 1ug/L FOR EACH ANLYTE FOR METHOD 8021 AND 1PPMV FOR METHOD 8015.

"*" INDICATES TENTATIVELY IDENTIFIED

ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: Richard Rodriguez

Table 3-Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified)ANALYSES OF VAPORS

SAMPLE ID	TSVA	TSVB	TSVC	TSVD	TSVE	TSVF	TSVG	TSVH	TSVI	TSVJ	TSVK
DEPTH (FT)	7	5	5	5	5	5	5	5	7	7	5
PURGE (CC)	60	60	60	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	8/17/98	8/18/98	8/17/98
TIME ANALYZED	16:41	15:04	14:37	14:11	13:45	13:18	11:30	11:55	9:42	8:31	16:15
Method 8021											
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	ND
Toluene	33	20	ND	ND	ND	ND	ND	ND	20	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	55	30	ND	ND	ND	ND	ND	ND	14	ND	ND
Total Xylenes	300	200	ND	ND	ND	ND	ND	ND	50	ND	2
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	3000	2000	ND	ND	ND	2	ND	ND	3000	ND	3
Methane	8000	4000	6	1	3	3	3	5	1000	4	2
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	1	3	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Gases (%)											
Carbon dioxide											
Oxygen											
Nitrogen											

"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 ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: Richard Rodriguez

Table 3-Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified)ANALYSES OF VAPORS

SAMPLE ID	TSVL	TSVM	TSVN	TSVO	TSVP	TSVQ	TSVR	TSVS	TSVT	TSVU	TSVV
DEPTH (FT)	5	5	5	1	1	1	5	5	5	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	60	60	60
DATE ANALYZED	8/17/98	8/17/98	8/17/98	8/18/98	8/18/98	8/18/98	8/19/98	8/19/98	8/19/98	8/19/98	8/19/98
TIME ANALYZED	15:50	10:18	10:48	9:59	8:55	10:22	15:43	14:03	14:29	15:20	14:51
Method 8021											
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	2	ND	ND	ND	ND	ND	1	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	4	ND	ND	ND	ND	ND	2	ND	ND	ND
Total Xylenes	3	15	1	ND	ND	ND	ND	6	1	1	2
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	10	100	1	ND	ND	20	2	70	ND	ND	1
Methane	4	2000	3	6	7	4	9	300	7	4	2
Ethane	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Gases (%)											
Carbon dioxide											
Oxygen											
Nitrogen											

"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 ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: Richard Rodriguez

Table 3-Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified)ANALYSES OF VAPORS

SAMPLE ID	TSVX	TSVY	TSVZ	TSVAA	TN	TN	TS	TS	BLANK	BLANK	BLANK
DEPTH (FT)	3	5	5	5	5	10	5	9	---	5	5
PURGE (CC)	60	60	60	60	60	60	60	60	---	60	60
DATE ANALYZED	8/20/98	8/19/98	8/19/98	8/20/98	2/2/99	2/2/99	2/2/99	2/2/99	7/27/98	7/28/98	7/29/98
TIME ANALYZED	9:23	16:10	16:43	8:34	9:13	9:39	10:16	10:39	10:39	7:06	6:58
Method 8021											
Benzene	11	ND	4	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	60	1	24	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	14	1	10	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	54	3	38	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	1500	50	100	17	41	3	ND	ND	ND	ND	ND
Methane	6000	51	80	15	9	15	7	9	3	3	4
Ethane	4	2	2	2	ND	2	ND	ND	ND	ND	ND
Propane	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Gases (%)											
Carbon dioxide											
Oxygen											
Nitrogen											

"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 ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: Richard Rodriguez

Table 3-Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified)ANALYSES OF VAPORS

SAMPLE ID	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
DEPTH (FT)	—	—	—	—	—	—	—	5	—	—	—
PURGE (CC)	—	—	—	—	—	—	—	60	—	—	—
DATE ANALYZED	7/30/98	7/31/98	8/3/98	8/4/98	8/5/98	8/6/98	8/7/98	8/10/98	8/11/98	8/12/98	8/13/98
TIME ANALYZED	7:16	7:20	6:04	7:37	7:34	7:29	7:21	7:25	6:38	6:45	6:55
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	ND
Methane	5	6	3	2	7	4	8	18	4	4	2
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Gases (%)											
Carbon dioxide											
Oxygen											
Nitrogen											

"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 ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: *Richard Rodriguez*

Table 3-Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified)ANALYSES OF VAPORS

SAMPLE ID	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
DEPTH (FT)	—	—	—	—	—	—	—	—	—	—	—
PURGE (CC)	—	—	—	—	—	—	—	—	—	—	—
DATE ANALYZED	8/14/98	8/17/98	8/18/98	8/19/98	8/20/98	2/1/99	2/2/99	2/3/99	5/17/99	5/18/99	5/19/99
TIME ANALYZED	6:33	6:44	7:50	7:01	8:11	9:21	8:43	8:23	8:36	7:21	7:40
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	ND
Methane	4	6	2	4	3	12	6	15	17	14	4
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Gases (%)											
Carbon dioxide									0.01	0.18	0.08
Oxygen									19	20	21
Nitrogen									79	75	78

"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 ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY

ANALYSES PERFORMED BY: Richard Rodriguez

Table 3-Soil Gas Survey Results

Westgate Subdivision

BBC INTERNATIONAL, INC. * HOBBS, NEW MEXICO

TEG Project #T3-980727

(USEPA Method 8021/8015 Modified)ANALYSES OF VAPORS

SAMPLE ID	BLANK	BLANK
DEPTH (FT)	---	---
PURGE (CC)	---	---
DATE ANALYZED	5/20/99	5/21/99
TIME ANALYZED	6:44	7:08
Method 8021		
Benzene	ND	ND
Toluene	ND	ND
Chlorobenzene	ND	ND
Ethylbenzene	ND	ND
Total Xylenes	ND	ND
Vinyl chloride	ND	ND
1,1- Dichloroethene	ND	ND
Trans-1,2-dichloroethene	ND	ND
Cis-1,2-Dichloroethene	ND	ND
Chloroform	ND	ND
1,1,1-Trichloroethane	ND	ND
Carbon Tetrachloride	ND	ND
Trichloroethene	ND	ND
Tetrachloroethene	ND	ND
Method 8015		
TPH	ND	ND
Methane	11	11
Ethane	ND	ND
Propane	ND	ND
Butane	ND	ND
Pentane	ND	ND
Hexane	ND	ND
Fixed Gases (%)		
Carbon dioxide	0.10	0.21
Oxygen	21	20
Nitrogen	76	79

"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 ON-SITE IN TEG'S MOBILE ENVIRONMENTAL LABORATORY
ANALYSES PERFORMED BY: Richard Rodriguez

Table 4

Confirmation Soil Analytical Results

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	GMW-9 8-10' Sample: 120219	GMW-9 63-65' Sample: 120220	GMW-9 63-65D Sample: 120221	GMW-10 3-5' Sample: 120210	GMW-10 63-65' Sample: 120211	GMW-10 63-65D Sample: 120212
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Acrolein	S-8260B						
Acrylonitrile	S-8260B						
Benzene	S-8260B						
Carbon tetrachloride	S-8260B						
Chlorobenzene	S-8260B						
1,2-dichloroethane	S-8260B						
1,1,2,2-tetrachloroethane	S-8260B						
1,1,1-trichloroethane	S-8260B						
1,1,2-trichloroethane	S-8260B						
1,1,2-trichloroethylene	S-8260B						
Chloroform	S-8260B						
Dichlorobenzene	S-8260B						
1,1-dichloroethylene	S-8260B						
Dichloropropenes	S-8260B						
Ethylbenzene	S-8260B						
Bromodichloromethane	S-8260B						
Bromomethane	S-8260B						
Chloromethane	S-8260B						
Dichlorodifluoromethane	S-8260B						
Dichloromethane	S-8260B						
Trichlorofluorometane	S-8260B						
Tetrachloroethylene	S-8260B						
Toluene	S-8260B						
Trichloroethylene	S-8260B						
Vinyl chloride	S-8260B						
m,p-xylene	S-8260B						
o-xylene	S-8260B						
1,1-dichloroethane	S-8260B						
Ethylene dibromide	S-8260B						
cis-1,2-dichlorethylene	S-8260B						
trans-1,2-dichloroethylene	S-8260B						
Methylene chloride	S-8260B						

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	GMW-9 8-10' Sample: 120219	GMW-9 63-65' Sample: 120220	GMW-9 63-65D Sample: 120221	GMW-10 3-5' Sample: 120210	GMW-10 63-65' Sample: 120211	GMW-10 63-65D Sample: 120212
		%	%	%	%	%	%
Surr. Dibromoflouromethane	S-8260B						
Surr. Toluene-d8	S-8260B						
Surr. 4-Bromofluorobenzene	S-8260B						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzidine	8270C	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	8270C	ND	ND	ND	ND	ND	ND
Pentachlorobenzene	8270C	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene	8270C	ND	ND	ND	ND	ND	ND
Hexachloroethane	8270C	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	8270C	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	8270C	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	8270C	ND	ND	ND	ND	ND	ND
bis (2-chloroethyl) ether	8270C	ND	ND	ND	ND	ND	ND
bis (2-chloroisopropyl) ether	8270C	ND	ND	ND	ND	ND	ND
bis (chloromethyl) ether	8270C	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	8270C	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	8270C	ND	ND	ND	ND	ND	ND
Diphenylhydrazine	8270C	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	8270C	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	8270C	ND	ND	ND	ND	ND	ND
Isophrone	8270C	ND	ND	ND	ND	ND	ND
Nitrobenzene	8270C	ND	ND	ND	ND	ND	ND
2,4-dinitro-o-cresol	8270C	ND	ND	ND	ND	ND	ND
2,4-dinitrophenols	8270C	ND	ND	ND	ND	ND	ND
N-nitrosodiethylamine	8270C	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	8270C	ND	ND	ND	ND	ND	ND
N-nitrosodibutylamine	8270C	ND	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	8270C	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine	8270C	ND	ND	ND	ND	ND	ND
Pentachlorophenol	8270C	ND	ND	ND	ND	ND	ND
Dibutyl phthalate	8270C	ND	ND	ND	ND	ND	ND

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	GMW-9 8-10' Sample: 120219	GMW-9 63-65' Sample: 120220	GMW-9 63-65D Sample: 120221	GMW-10 3-5' Sample: 120210	GMW-10 63-65' Sample: 120211	GMW-10 63-65D Sample: 120212
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
di-2-ethylhexyl phthalate	8270C	ND	ND	ND	ND	ND	ND
Diethyl phthalate	8270C	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	8270C	ND	ND	ND	ND	ND	ND
Anthracene	8270C	ND	ND	ND	ND	ND	ND
3,4-benzofluoranthene	8270C	ND	ND	ND	ND	ND	ND
Benzo(k)flouranthene	8270C	ND	ND	ND	ND	ND	ND
Flouranthene	8270C	ND	ND	ND	ND	ND	ND
Fluorene	8270C	ND	ND	ND	ND	ND	ND
Phenanthrene	8270C	ND	ND	ND	ND	ND	ND
Pyrene	8270C	ND	ND	ND	ND	ND	ND
Naphthalene	8270C	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	8270C	ND	ND	1.25	ND	ND	ND
2-methylnaphthalene	8270C	ND	ND	ND	ND	ND	ND
Benzo-a-pyrene	8270C	ND	ND	ND	ND	ND	ND
		%	%	%	%	%	%
Surr. 2-Fluorophenol	S-8270C	34	39	51	33	51	36
Surr. Phenol-d6	S-8270C	38	45	70	36	55	41
Surr. Nitrobenzene-d5	S-8270C	38	42	76	38	56	38
Surr. 2-Fluorobiphenyl	S-8270C	41	54	83	44	56	46
Surr. 2,4,6-Tribromophenol	S-8270C	57	52	43	29	58	56
Surr. Terphenyl-d14	S-8270C	61	82	79	43	75	92
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aldrin	8081						
Chlordane	8081						
DDT	8081						
Dieldrin	8081						
Endosulfan	8081						
Endrin	8081						
Heptachlor	8081						

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	GMW-9 8-10' Sample: 120219	GMW-9 63-65' Sample: 120220	GMW-9 63-65D Sample: 120221	GMW-10 3-5' Sample: 120210	GMW-10 63-65' Sample: 120211	GMW-10 63-65D Sample: 120212
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PCB's	8082						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Arsenic	6010B						
Barium	6010B						
Cadmium	6010B						
Chromium	6010B						
Lead	6010B						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Total Mercury	7471A						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Selenium	6010B						
Silver	6010B						
Uranium	6010B						
Copper	6010B						
Iron	6010B						
Manganese	6010B						
Zinc	6010B						
Aluminum	6010B						
Boron	6010B						
Cobalt	6010B						
Molybdenum	6010B						
Nickel	6010B						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Cyanide	SM 4500CN C,E						

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	GMW-9 8-10' Sample: 120219	GMW-9 63-65' Sample: 120220	GMW-9 63-65D Sample: 120221	GMW-10 3-5' Sample: 120210	GMW-10 63-65' Sample: 120211	GMW-10 63-65D Sample: 120212
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Flouride	300.0						
Nitrate	300.0						
Chloride	300.0						
Sulfate	300.0						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
TDS	160.1						
		s.u.	s.u.	s.u.	s.u.	s.u.	s.u.
pH	150.1						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
TRPHC	418.1						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Total Phenols	SM 5530 A,D						
		pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm
Total Activity	901.1M						

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TSB-3 2-3' Sample: 118872	TSB-3 3-5' Sample: 118873	TSB-3 18-20 Sample: 118874	TSB-4 2-3' Sample: 118967	TSB-4 3-5' Sample: 118968	TSB-4 18-20' Sample: 118969	TSB-5 2-3' Sample: 118970	TSB-5 3-5' Sample: 118971	TSB-5 18-20' Sample: 118972	TSB-6 2-3' Sample: 118875	TSB-6 3-5' Sample: 118876	TSB-6 18-20' Sample: 118877	TSB-7 2-3' Sample: 118880	TSB-7 3-5' Sample: 118881	TSB-7 8-10' Sample: 118882	TSB-7 28-30' Sample: 118883	TSB-8 2-3' Sample: 119008	TSB-8 8-10' Sample: 119009
		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Acrolein	S-8260B																		
Acrylonitrile	S-8260B																		
Benzene	S-8260B																		
Carbon tetrachloride	S-8260B																		
Chlorobenzene	S-8260B																		
1,2-dichloroethane	S-8260B																		
1,1,2,2-tetrachloroethane	S-8260B																		
1,1,1-trichloroethane	S-8260B																		
1,1,2-trichloroethane	S-8260B																		
1,1,2-trichloroethylene	S-8260B																		
Chloroform	S-8260B																		
Dichlorobenzene	S-8260B																		
1,1-dichloroethylene	S-8260B																		
Dichloropropenes	S-8260B																		
Ethylbenzene	S-8260B																		
Bromodichloromethane	S-8260B																		
Bromomethane	S-8260B																		
Chloromethane	S-8260B																		
Dichlorodifluoromethane	S-8260B																		
Dichloromethane	S-8260B																		
Trichlorofluorometane	S-8260B																		
Tetrachloroethylene	S-8260B																		
Toluene	S-8260B																		
Trichloroethylene	S-8260B																		
Vinyl chloride	S-8260B																		
m,p-xylene	S-8260B																		
o-xylene	S-8260B																		
1,1-dichloroethane	S-8260B																		
Ethylene dibromide	S-8260B																		
cis-1,2-dichlorethylene	S-8260B																		
trans-1,2-dichloroethylene	S-8260B																		
Methylene chloride	S-8260B																		

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TSB-3 2-3' Sample: 118872	TSB-3 3-5' Sample: 118873	TSB-3 18-20 Sample: 118874	TSB-4 2-3' Sample: 118967	TSB-4 3-5' Sample: 118968	TSB-4 18-20' Sample: 118969	TSB-5 2-3' Sample: 118970	TSB-5 3-5' Sample: 118971	TSB-5 18-20' Sample: 118972	TSB-6 2-3' Sample: 118875	TSB-6 3-5' Sample: 118876	TSB-6 18-20' Sample: 118877	TSB-7 2-3' Sample: 118880	TSB-7 3-5' Sample: 118881	TSB-7 8-10' Sample: 118882	TSB-7 28-30' Sample: 118883	TSB-8 2-3' Sample: 119008	TSB-8 8-10' Sample: 119009
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. Dibromoflouromethane	S-8260B																		
Surr. Toluene-d8	S-8260B																		
Surr. 4-Bromofluorobenzene	S-8260B																		
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroethyl) ether	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroisopropyl) ether	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (chloromethyl) ether	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylhydrazine	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophrone	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitro-o-cresol	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenols	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodiethylamine	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodibutylamine	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibutyl phthalate	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TSB-3 2-3' Sample: 118872	TSB-3 3-5' Sample: 118873	TSB-3 18-20 Sample: 118874	TSB-4 2-3' Sample: 118967	TSB-4 3-5' Sample: 118968	TSB-4 18-20' Sample: 118969	TSB-5 2-3' Sample: 118970	TSB-5 3-5' Sample: 118971	TSB-5 18-20' Sample: 118972	TSB-6 2-3' Sample: 118875	TSB-6 3-5' Sample: 118876	TSB-6 18-20' Sample: 118877	TSB-7 2-3' Sample: 118880	TSB-7 3-5' Sample: 118881	TSB-7 8-10' Sample: 118882	TSB-7 28-30' Sample: 118883	TSB-8 2-3' Sample: 119008	TSB-8 8-10' Sample: 119009
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
di-2-ethylhexyl phthalate	8270C				ND	ND	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzofluoranthene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)flouranthene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND
Phenanthrene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	3.3	ND	ND	ND	ND	8.5	ND
Pyrene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	7.6	ND	ND	ND	ND	11	ND
1-methylnaphthalene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	16	43	15	ND	ND	24	ND
2-methylnaphthalene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	17	39	14	ND	ND	27	ND
Benzo-a-pyrene	8270C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. 2-Fluorophenol	S-8270C				58	57	78	64	66	57	70	61	78	86	77	52	54	75	64
Surr. Phenol-d6	S-8270C				65	62	91	70	72	64	79	67	92	89	83	57	59	87	72
Surr. Nitrobenzene-d5	S-8270C				71	67	83	81	81	70	73	67	144	119	102	55	56	136	84
Surr. 2-Fluorobiphenyl	S-8270C				64	64	86	77	78	61	78	72	94	95	89	58	58	97	84
Surr. 2,4,6-Tribromophenol	S-8270C				59	62	94	71	61	61	68	58	74	58	55	49	47	81	59
Surr. Terphenyl-d14	S-8270C				69	74	111	82	78	65	90	80	73	107	91	77	79	83	86
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	8081	ND	ND	ND															
Chlordane	8081	ND	ND	ND															
DDT	8081	ND	ND	ND															
Dieldrin	8081	ND	ND	ND															
Endosulfan	8081	ND	ND	ND															
Endrin	8081	ND	ND	ND															
Heptachlor	8081	ND	ND	ND															

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TSB-3 2-3' Sample: 118872	TSB-3 3-5' Sample: 118873	TSB-3 18-20 Sample: 118874	TSB-4 2-3' Sample: 118967	TSB-4 3-5' Sample: 118968	TSB-4 18-20' Sample: 118969	TSB-5 2-3' Sample: 118970	TSB-5 3-5' Sample: 118971	TSB-5 18-20' Sample: 118972	TSB-6 2-3' Sample: 118875	TSB-6 3-5' Sample: 118876	TSB-6 18-20' Sample: 118877	TSB-7 2-3' Sample: 118880	TSB-7 3-5' Sample: 118881	TSB-7 8-10' Sample: 118882	TSB-7 28-30' Sample: 118883	TSB-8 2-3' Sample: 119008	TSB-8 8-10' Sample: 119009
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	8082																		
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	6010B																		
Barium	6010B																		
Cadmium	6010B																		
Chromium	6010B																		
Lead	6010B																		
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	7471A																		
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	6010B																		
Silver	6010B																		
Uranium	6010B																		
Copper	6010B																		
Iron	6010B																		
Manganese	6010B																		
Zinc	6010B																		
Aluminum	6010B																		
Boron	6010B																		
Cobalt	6010B																		
Molybdenum	6010B																		
Nickel	6010B																		
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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 4500CN C,E																		

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TSB-3 2-3' Sample: 118872	TSB-3 3-5' Sample: 118873	TSB-3 18-20 Sample: 118874	TSB-4 2-3' Sample: 118967	TSB-4 3-5' Sample: 118968	TSB-4 18-20' Sample: 118969	TSB-5 2-3' Sample: 118970	TSB-5 3-5' Sample: 118971	TSB-5 18-20' Sample: 118972	TSB-6 2-3' Sample: 118875	TSB-6 3-5' Sample: 118876	TSB-6 18-20' Sample: 118877	TSB-7 2-3' Sample: 118880	TSB-7 3-5' Sample: 118881	TSB-7 8-10' Sample: 118882	TSB-7 28-30' Sample: 118883	TSB-8 2-3' Sample: 119008	TSB-8 8-10' Sample: 119009
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Flouride	300.0																		
Nitrate	300.0																		
Chloride	300.0																		
Sulfate	300.0																		
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	160.1																		
		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	150.1																		
		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
TRPHC	418.1																		
		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
Total Phenols	SM 5530 A,D				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		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	901.1M																		

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TSB-8 40-42' Sample: 119010	TSB-9 2-3' Sample: 120213	TSB-9 3-5' Sample: 120214	TSB-9 18-20' Sample: 120215	TSB-9 48-50' Sample: 120216	TSB-10 2-3' Sample: 118884	TSB-10 3-5' Sample: 118885	TSB-10 8-10' Sample: 118886	TSB-10 28-30' Sample: 118887	TSB-11 2-3' Sample: 118976	TSB-11 3-5' Sample: 118977	TSB-11 18-20' Sample: 118978	TSB-11 29-31 Sample: 118979	TSB-12 2-3' Sample: 118973	TSB-12 3-5' Sample: 118974	TSB-12 18-20' Sample: 118975
		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Acrolein	S-8260B																
Acrylonitrile	S-8260B																
Benzene	S-8260B																
Carbon tetrachloride	S-8260B																
Chlorobenzene	S-8260B																
1,2-dichloroethane	S-8260B																
1,1,2,2-tetrachloroethane	S-8260B																
1,1,1-trichloroethane	S-8260B																
1,1,2-trichloroethane	S-8260B																
1,1,2-trichloroethylene	S-8260B																
Chloroform	S-8260B																
Dichlorobenzene	S-8260B																
1,1-dichloroethylene	S-8260B																
Dichloropropenes	S-8260B																
Ethylbenzene	S-8260B																
Bromodichloromethane	S-8260B																
Bromomethane	S-8260B																
Chloromethane	S-8260B																
Dichlorodifluoromethane	S-8260B																
Dichloromethane	S-8260B																
Trichlorofluorometane	S-8260B																
Tetrachloroethylene	S-8260B																
Toluene	S-8260B																
Trichloroethylene	S-8260B																
Vinyl chloride	S-8260B																
m,p-xylene	S-8260B																
o-xylene	S-8260B																
1,1-dichloroethane	S-8260B																
Ethylene dibromide	S-8260B																
cis-1,2-dichlorethylene	S-8260B																
trans-1,2-dichloroethylene	S-8260B																
Methylene chloride	S-8260B																

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TSB-8 40-42' Sample: 119010	TSB-9 2-3' Sample: 120213	TSB-9 3-5' Sample: 120214	TSB-9 18-20' Sample: 120215	TSB-9 48-50' Sample: 120216	TSB-10 2-3' Sample: 118884	TSB-10 3-5' Sample: 118885	TSB-10 8-10' Sample: 118886	TSB-10 28-30' Sample: 118887	TSB-11 2-3' Sample: 118976	TSB-11 3-5' Sample: 118977	TSB-11 18-20' Sample: 118978	TSB-11 29-31 Sample: 118979	TSB-12 2-3' Sample: 118973	TSB-12 3-5' Sample: 118974	TSB-12 18-20' Sample: 118975
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. Dibromoflouromethane	S-8260B																
Surr. Toluene-d8	S-8260B																
Surr. 4-Bromofluorobenzene	S-8260B																
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Hexachlorobenzene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Pentachlorobenzene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
1,2,4,5-tetrachlorobenzene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Hexachloroethane	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2,4-dichlorophenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2,4,5-trichlorophenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2,4,6-trichlorophenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
bis (2-chloroethyl) ether	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
bis (2-chloroisopropyl) ether	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
bis (chloromethyl) ether	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
3,3-dichlorobenzidine	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2,4-dinitrotoluene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Diphenylhydrazine	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Hexachlorobutadiene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Hexachlorocyclopentadiene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Isophrone	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Nitrobenzene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2,4-dinitro-o-cresol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2,4-dinitrophenols	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
N-nitrosodiethylamine	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
N-nitrosodimethylamine	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
N-nitrosodibutylamine	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
N-nitrosodiphenylamine	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
N-nitrosopyrrolidine	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Pentachlorophenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Dibutyl phthalate	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TSB-8 40-42' Sample: 119010	TSB-9 2-3' Sample: 120213	TSB-9 3-5' Sample: 120214	TSB-9 18-20' Sample: 120215	TSB-9 48-50' Sample: 120216	TSB-10 2-3' Sample: 118884	TSB-10 3-5' Sample: 118885	TSB-10 8-10' Sample: 118886	TSB-10 28-30' Sample: 118887	TSB-11 2-3' Sample: 118976	TSB-11 3-5' Sample: 118977	TSB-11 18-20' Sample: 118978	TSB-11 29-31 Sample: 118979	TSB-12 2-3' Sample: 118973	TSB-12 3-5' Sample: 118974	TSB-12 18-20' Sample: 118975
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
di-2-ethylhexyl phthalate	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Diethyl phthalate	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Dimethyl phthalate	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Anthracene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
3,4-benzofluoranthene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Benzo(k)flouranthene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Flouranthene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Fluorene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Phenanthrene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Pyrene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Naphthalene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
1-methylnaphthalene	8270C	ND	ND	ND	ND	ND	ND	13	8.5	ND	ND	ND	19	ND			
2-methylnaphthalene	8270C	ND	ND	ND	ND	ND	ND	14	8.7	ND	ND	ND	20	ND			
Benzo-a-pyrene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. 2-Fluorophenol	S-8270C	66	50	60	45	52	66	69	61	54	78	52	58	67			
Surr. Phenol-d6	S-8270C	72	54	67	48	56	79	79	68	59	81	66	64	70			
Surr. Nitrobenzene-d5	S-8270C	78	53	60	49	55	82	105	91	55	97	61	100	77			
Surr. 2-Fluorobiphenyl	S-8270C	78	57	63	50	58	83	87	82	56	98	66	103	72			
Surr. 2,4,6-Tribromophenol	S-8270C	56	57	54	54	55	55	52	54	48	69	56	42	73			
Surr. Terphenyl-d14	S-8270C	79	76	86	71	57	88	87	75	76	88	86	79	85			
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	8081														ND	ND	ND
Chlordane	8081														ND	ND	ND
DDT	8081														ND	ND	ND
Dieldrin	8081														ND	ND	ND
Endosulfan	8081														ND	ND	ND
Endrin	8081														ND	ND	ND
Heptachlor	8081																

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TSB-8 40-42' Sample: 119010	TSB-9 2-3' Sample: 120213	TSB-9 3-5' Sample: 120214	TSB-9 18-20' Sample: 120215	TSB-9 48-50' Sample: 120216	TSB-10 2-3' Sample: 118884	TSB-10 3-5' Sample: 118885	TSB-10 8-10' Sample: 118886	TSB-10 28-30' Sample: 118887	TSB-11 2-3' Sample: 118976	TSB-11 3-5' Sample: 118977	TSB-11 18-20' Sample: 118978	TSB-11 29-31 Sample: 118979	TSB-12 2-3' Sample: 118973	TSB-12 3-5' Sample: 118974	TSB-12 18-20' Sample: 118975
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	8082																
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	6010B																
Barium	6010B																
Cadmium	6010B																
Chromium	6010B																
Lead	6010B																
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	7471A																
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	6010B																
Silver	6010B																
Uranium	6010B																
Copper	6010B																
Iron	6010B																
Manganese	6010B																
Zinc	6010B																
Aluminum	6010B																
Boron	6010B																
Cobalt	6010B																
Molybdenum	6010B																
Nickel	6010B																
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	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 4500CN C,E																

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TSB-8 40-42'	TSB-9 2-3'	TSB-9 3-5'	TSB-9 18-20'	TSB-9 48-50'	TSB-10 2-3'	TSB-10 3-5'	TSB-10 8-10'	TSB-10 28-30'	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'
		Sample: 119010	Sample: 120213	Sample: 120214	Sample: 120215	Sample: 120216	Sample: 118884	Sample: 118885	Sample: 118886	Sample: 118887	Sample: 118976	Sample: 118977	Sample: 118978	Sample: 118979	Sample: 118973	Sample: 118974	Sample: 118975
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Flouride	300.0																
Nitrate	300.0																
Chloride	300.0																
Sulfate	300.0																
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	160.1																
		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	150.1																
		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
TRPHC	418.1																
		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
Total Phenols	SM 5530 A,D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		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	901.1M																

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

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TMW-3 2-3' Sample: 119004	TMW-3 3-5' Sample: 119005	TMW-3 23-25' Sample: 119006	TMW-3 63-65' Sample: 119007	GSB-9 2-3' Sample: 120217	GSB-10 2-3' Sample: 120218
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Acrolein	S-8260B	ND	ND	ND	ND		
Acrylonitrile	S-8260B	ND	ND	ND	ND		
Benzene	S-8260B	ND	ND	ND	ND		
Carbon tetrachloride	S-8260B	ND	ND	ND	ND		
Chlorobenzene	S-8260B	ND	ND	ND	ND		
1,2-dichloroethane	S-8260B	ND	ND	ND	ND		
1,1,2,2-tetrachloroethane	S-8260B	ND	ND	ND	ND		
1,1,1-trichloroethane	S-8260B	ND	ND	ND	ND		
1,1,2-trichloroethane	S-8260B	ND	ND	ND	ND		
1,1,2-trichloroethylene	S-8260B	ND	ND	ND	ND		
Chloroform	S-8260B	ND	ND	ND	ND		
Dichlorobenzene	S-8260B	ND	ND	ND	ND		
1,1-dichloroethylene	S-8260B	ND	ND	ND	ND		
Dichloropropenes	S-8260B	ND	ND	ND	ND		
Ethylbenzene	S-8260B	ND	ND	ND	ND		
Bromodichloromethane	S-8260B	ND	ND	ND	ND		
Bromomethane	S-8260B	ND	ND	ND	ND		
Chloromethane	S-8260B	ND	ND	ND	ND		
Dichlorodifluoromethane	S-8260B	ND	ND	ND	ND		
Dichloromethane	S-8260B	ND	*0.350	ND	ND		
Trichlorofluorometane	S-8260B	ND	ND	ND	ND		
Tetrachloroethylene	S-8260B	ND	ND	ND	ND		
Toluene	S-8260B	ND	ND	ND	ND		
Trichloroethylene	S-8260B	ND	ND	ND	ND		
Vinyl chloride	S-8260B	ND	ND	ND	ND		
m,p-xylene	S-8260B	ND	ND	ND	ND		
o-xylene	S-8260B	ND	ND	ND	ND		
1,1-dichloroethane	S-8260B	ND	ND	ND	ND		
Ethylene dibromide	S-8260B	ND	ND	ND	ND		
cis-1,2-dichlorethylene	S-8260B	ND	ND	ND	ND		
trans-1,2-dichloroethylene	S-8260B	ND	ND	ND	ND		
Methylene chloride	S-8260B	ND	*0.350	ND	ND		

ND = Not Detected. See Laboratory Analysis in Appendix IV for detection limits.
*Methylene Chloride due to Laboratory Contamination.

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TMW-3 2-3' Sample: 119004	TMW-3 3-5' Sample: 119005	TMW-3 23-25' Sample: 119006	TMW-3 63-65' Sample: 119007	GSB-9 2-3' Sample: 120217	GSB-10 2-3' Sample: 120218
		%	%	%	%	%	%
Surr. Dibromoflouromethane	S-8260B	95	96	97	99		
Surr. Toluene-d8	S-8260B	105	106	105	109		
Surr. 4-Bromofluorobenzene	S-8260B	96	97	94	95		
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzidine	8270C					ND	ND
Hexachlorobenzene	8270C					ND	ND
Pentachlorobenzene	8270C					ND	ND
1,2,4,5-tetrachlorobenzene	8270C					ND	ND
Hexachloroethane	8270C					ND	ND
2,4-dichlorophenol	8270C					ND	ND
2,4,5-trichlorophenol	8270C					ND	ND
2,4,6-trichlorophenol	8270C					ND	ND
bis (2-chloroethyl) ether	8270C					ND	ND
bis (2-chloroisopropyl) ether	8270C					ND	ND
bis (chloromethyl) ether	8270C					ND	ND
3,3-dichlorobenzidine	8270C					ND	ND
2,4-dinitrotoluene	8270C					ND	ND
Diphenylhydrazine	8270C					ND	ND
Hexachlorobutadiene	8270C					ND	ND
Hexachlorocyclopentadiene	8270C					ND	ND
Isophrone	8270C					ND	ND
Nitrobenzene	8270C					ND	ND
2,4-dinitro-o-cresol	8270C					ND	ND
2,4-dinitrophenols	8270C					ND	ND
N-nitrosodiethylamine	8270C					ND	ND
N-nitrosodimethylamine	8270C					ND	ND
N-nitrosodibutylamine	8270C					ND	ND
N-nitrosodiphenylamine	8270C					ND	ND
N-nitrosopyrrolidine	8270C					ND	ND
Pentachlorophenol	8270C					ND	ND
Dibutyl phthalate	8270C					ND	ND

ND = Not Detected. See Laboratory Analysis in Appendix IV for detection limits.
*Methylene Chloride due to Laboratory Contamination.

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TMW-3 2-3' Sample: 119004	TMW-3 3-5' Sample: 119005	TMW-3 23-25' Sample: 119006	TMW-3 63-65' Sample: 119007	GSB-9 2-3' Sample: 120217	GSB-10 2-3' Sample: 120218
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
di-2-ethylhexyl phthalate	8270C					ND	ND
Diethyl phthalate	8270C					ND	ND
Dimethyl phthalate	8270C					ND	ND
Anthracene	8270C					ND	ND
3,4-benzofluoranthene	8270C					ND	ND
Benzo(k)flouranthene	8270C					ND	ND
Flouranthene	8270C					ND	ND
Fluorene	8270C					ND	ND
Phenanthrene	8270C					ND	1.5
Pyrene	8270C					ND	ND
Naphthalene	8270C					ND	ND
1-methylnaphthalene	8270C					ND	ND
2-methylnaphthalene	8270C					ND	ND
Benzo-a-pyrene	8270C					ND	ND
		%	%	%	%	%	%
Surr. 2-Fluorophenol	S-8270C					50	75
Surr. Phenol-d6	S-8270C					55	85
Surr. Nitrobenzene-d5	S-8270C					58	75
Surr. 2-Fluorobiphenyl	S-8270C					67	82
Surr. 2,4,6-Tribromophenol	S-8270C					43	76
Surr. Terphenyl-d14	S-8270C					68	78
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aldrin	8081						
Chlordane	8081						
DDT	8081						
Dieldrin	8081						
Endosulfan	8081						
Endrin	8081						
Heptachlor	8081						

ND = Not Detected. See Laboratory Analysis in Appendix IV for detection limits.
*Methylene Chloride due to Laboratory Contamination.

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TMW-3 2-3' Sample: 119004	TMW-3 3-5' Sample: 119005	TMW-3 23-25' Sample: 119006	TMW-3 63-65' Sample: 119007	GSB-9 2-3' Sample: 120217	GSB-10 2-3' Sample: 120218
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PCB's	8082						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Arsenic	6010B						
Barium	6010B						
Cadmium	6010B						
Chromium	6010B						
Lead	6010B						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Total Mercury	7471A						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Selenium	6010B						
Silver	6010B						
Uranium	6010B						
Copper	6010B						
Iron	6010B						
Manganese	6010B						
Zinc	6010B						
Aluminum	6010B						
Boron	6010B						
Cobalt	6010B						
Molybdenum	6010B						
Nickel	6010B						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Cyanide	SM 4500CN C,E						

ND = Not Detected. See Laboratory Analysis in Appendix IV for detection limits.
*Methylene Chloride due to Laboratory Contamination.

Table 4 - Soil Confirmation Laboratory Results

Analyte	Method	TMW-3 2-3' Sample: 119004	TMW-3 3-5' Sample: 119005	TMW-3 23-25' Sample: 119006	TMW-3 63-65' Sample: 119007	GSB-9 2-3' Sample: 120217	GSB-10 2-3' Sample: 120218
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Flouride	300.0						
Nitrate	300.0						
Chloride	300.0						
Sulfate	300.0						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
TDS	160.1						
		s.u.	s.u.	s.u.	s.u.	s.u.	s.u.
pH	150.1						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
TRPHC	418.1						
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Total Phenols	SM 5530 A,D					ND	ND
		pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm	pCi/gm
Total Activity	901.1M						

ND = Not Detected. See Laboratory Analysis in Appendix IV for detection limits.
*Methylene Chloride due to Laboratory Contamination.

Table 5

Groundwater Analytical Results

Table 5 - Groundwater Laboratory Results - February 1999

Analyte	Method	GMW-1	GMW-2	GMW-3B	GMW-4	GMW-5	GMW-6	GMW-7	GMW-8	GMW-9	GMW-10	GMW-11	TMW-1	TMW-2	TMW-3	TMW-4	TMW-5
		Sample: 119134	Sample: 119135	Sample: 119136	Sample: 118940	Sample: 119137	Sample: 119138	Sample: 118938	Sample: 118939	Sample: 118889	Sample: 118941	Sample: 118337	Sample: 118936	Sample: 118937	Sample: 118888	Sample: 118892	Sample: 119967
		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	mg/L	mg/L
Acrolein	S-8260B									ND		ND			ND	ND	ND
Acrylonitrile	S-8260B									ND		ND			ND	ND	ND
Benzene	S-8260B	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
Chlorobenzene	S-8260B									ND		ND			ND	ND	ND
1,2-dichloroethane	S-8260B									ND		ND			ND	ND	ND
1,1,2,2-tetrachloroethane	S-8260B									ND		ND			ND	ND	ND
1,1,1-trichloroethane	S-8260B									ND		ND			ND	ND	ND
1,1,2-trichloroethane	S-8260B									ND		ND			ND	ND	ND
1,1,2-trichloroethylene	S-8260B									ND		ND			ND	ND	ND
Chloroform	S-8260B									ND		ND			ND	ND	ND
Dichlorobenzene	S-8260B									ND		ND			ND	ND	ND
1,1-dichloroethylene	S-8260B									ND		ND			ND	ND	ND
Dichloropropenes	S-8260B									ND		ND			ND	ND	ND
Ethylbenzene	S-8260B	0.11	ND	0.06	ND	0.07	ND	ND	ND	0.012	ND	ND	ND	ND	ND	0.0015	0.0025
Bromodichloromethane	S-8260B									ND		ND			ND	ND	ND
Bromomethane	S-8260B									ND		ND			ND	ND	ND
Chloromethane	S-8260B									ND		ND			ND	ND	ND
Dichlorodifluoromethane	S-8260B									ND		ND			ND	ND	ND
Dichloromethane	S-8260B									ND		ND			ND	ND	ND
Trichlorofluorometane	S-8260B									ND		ND			ND	ND	ND
Tetrachloroethylene	S-8260B									ND		ND			ND	ND	ND
Toluene	S-8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	S-8260B									ND		ND			ND	ND	ND
Vinyl chloride	S-8260B									ND		ND			ND	ND	ND
m,p-xylene	S-8260B	0.43	ND	0.48	ND	0.5	ND	ND	0.0019	0.029	ND	ND	ND	ND	ND	0.0046	0.0023
o-xylene	S-8260B	0.1	ND	0.106	ND	0.099	ND	ND	ND	0.011	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	S-8260B									ND		ND			ND	ND	ND
Ethylene dibromide	S-8260B									ND		ND			ND	ND	ND
cis-1,2-dichlorethylene	S-8260B									ND		ND			ND	ND	ND
trans-1,2-dichloroethylene	S-8260B									ND		ND			ND	ND	ND
Methylene chloride	S-8260B									ND		ND			ND	ND	ND

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

Table 5 - Groundwater Laboratory Results - February 1999

Analyte	Method	GMW-1	GMW-2	GMW-3B	GMW-4	GMW-5	GMW-6	GMW-7	GMW-8	GMW-9	GMW-10	GMW-11	TMW-1	TMW-2	TMW-3	TMW-4	TMW-5
		Sample: 119134	Sample: 119135	Sample: 119136	Sample: 118940	Sample: 119137	Sample: 119138	Sample: 118938	Sample: 118939	Sample: 118889	Sample: 118941	Sample: 118337	Sample: 118936	Sample: 118937	Sample: 118888	Sample: 118892	Sample: 119987
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. Dibromofluoromethane	S-8260B %	105	102	103	97	105	103	100	100	112	103	106	104	101	111	108	104
Surr. Toluene-d8	S-8260B %	106	108	108	99	108	108	99	99	105	98	104	99	99	104	103	100
Surr. 4-Bromofluorobenzene	S-8260B %	98	97	100	95	101	100	97	100	111	101	104	101	99	107	109	101
		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	mg/L	mg/L
Benzidine	8270C											ND				ND	ND
Hexachlorobenzene	8270C											ND				ND	ND
Pentachlorobenzene	8270C											ND				ND	ND
1,2,4,5-tetrachlorobenzene	8270C											ND				ND	ND
Hexachloroethane	8270C											ND				ND	ND
2,4-dichlorophenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-chloroethyl) ether	8270C											ND				ND	ND
bis (2-chloroisopropyl) ether	8270C											ND				ND	ND
bis (chloromethyl) ether	8270C											ND				ND	ND
3,3-dichlorobenzidine	8270C											ND				ND	ND
2,4-dinitrotoluene	8270C											ND				ND	ND
Diphenylhydrazine	8270C											ND				ND	ND
Hexachlorobutadiene	8270C											ND				ND	ND
Hexachlorocyclopentadiene	8270C											ND				ND	ND
Isophorone	8270C											ND				ND	ND
Nitrobenzene	8270C											ND				ND	ND
2,4-dinitro-o-cresol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenols	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiethylamine	8270C											ND				ND	ND
N-nitrosodimethylamine	8270C											ND				ND	ND
N-nitrosodibutylamine	8270C											ND				ND	ND
N-nitrosodiphenylamine	8270C											ND				ND	ND
N-nitrosopyrrolidine	8270C											ND				ND	ND
Pentachlorophenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

Table 5 - Groundwater Laboratory Results - February 1999

Analyte	Method	GMW-1	GMW-2	GMW-3B	GMW-4	GMW-5	GMW-6	GMW-7	GMW-8	GMW-9	GMW-10	GMW-11	TMW-1	TMW-2	TMW-3	TMW-4	TMW-5
		Sample: 119134	Sample: 119135	Sample: 119136	Sample: 118940	Sample: 119137	Sample: 119138	Sample: 118938	Sample: 118939	Sample: 118889	Sample: 118941	Sample: 118337	Sample: 118936	Sample: 118937	Sample: 118888	Sample: 118892	Sample: 119967
		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	mg/L	mg/L
Dibutyl phthalate	8270C											ND				ND	ND
di-2-ethylhexyl phthalate	8270C											ND				ND	ND
Diethyl phthalate	8270C											ND				ND	ND
Dimethyl phthalate	8270C											ND				ND	ND
Anthracene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzofluoranthene	8270C	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
Benzo(k)flouranthene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	8270C	ND	ND	ND	ND	0.011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	8270C	0.004	ND	0.003	ND	0.022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	8270C	0.024	ND	ND	ND	0.071	ND	ND	ND	0.002	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	8270C											ND				ND	ND
2-methylnaphthalene	8270C											ND				ND	ND
Benzo-a-pyrene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dichlorphenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
2-Chlorophenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
2-Methylphenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
3-Methylphenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
4-Methylphenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
2-Nitrophenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
2,4-Dimethylphenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
4-Chloro-3-methylphenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
Acenaphthylene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
Acenaphthene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
4-Nitrophenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
2,3,4,6-Tetrachlorophenol	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
Benz(a)anathracene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
Chrysene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		

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

Table 5 - Groundwater Laboratory Results - February 1999

		GMW-1	GMW-2	GMW-3B	GMW-4	GMW-5	GMW-6	GMW-7	GMW-8	GMW-9	GMW-10	GMW-11	TMW-1	TMW-2	TMW-3	TMW-4	TMW-5
Analyte	Method	Sample: 119134	Sample: 119135	Sample: 119136	Sample: 118940	Sample: 119137	Sample: 119138	Sample: 118938	Sample: 118939	Sample: 118889	Sample: 118941	Sample: 118337	Sample: 118936	Sample: 118937	Sample: 118888	Sample: 118892	Sample: 119967
		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	mg/L	mg/L
Indeno-{1,2,3-cd}pyrene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
Dibenz{a,h}anathraene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
Benzo{g,h,I}perylene	8270C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Surr. 2-Fluorophenol	8270C %	37	2	32	28	29	29	29	34	33	27	43	35	36	55	55	36
Surr. Phenol-d6	8270C %	26	3	25	11	22	21	8	15	16	10	17	15	15	26	26	21
Surr. Nitrobenzene-d5	8270C %	63	37	63	62	96	63	47	64	68	57	75	61	67	78	84	73
Surr. 2-Fluorobiphenyl	8270C %	61	40	60	69	84	58	57	68	74	65	86	69	76	85	90	78
Surr. 2,4,6-Tribromophenol	8270C %	63	0	64	52	54	56	57	69	77	56	75	74	52	87	96	89
Surr. Terphenyl-d14	8270C %	73	69	77	99	87	88	110	105	113	101	133	124	126	123	118	75
		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	mg/L	mg/L
Aldrin	8081											ND				ND	ND
Chlordane	8081											ND				ND	ND
DDT	8081											ND				ND	ND
Dieldrin	8081											ND				ND	ND
Endosulfan	8081											ND				ND	ND
Endrin	8081											ND				ND	ND
Heptachlor	8081											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	mg/L	mg/L
PCB's	8082											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	mg/L	mg/L
Arsenic	6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	6010B	0.30	ND	0.26	ND	0.15	ND	ND	0.23	0.24	0.11	ND	0.11	0.12	ND	0.18	0.10
Cadmium	6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	6010B	ND	ND	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	mg/L	mg/L
Total Mercury	7471A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00042	ND	ND

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

Table 5 - Groundwater Laboratory Results - February 1999

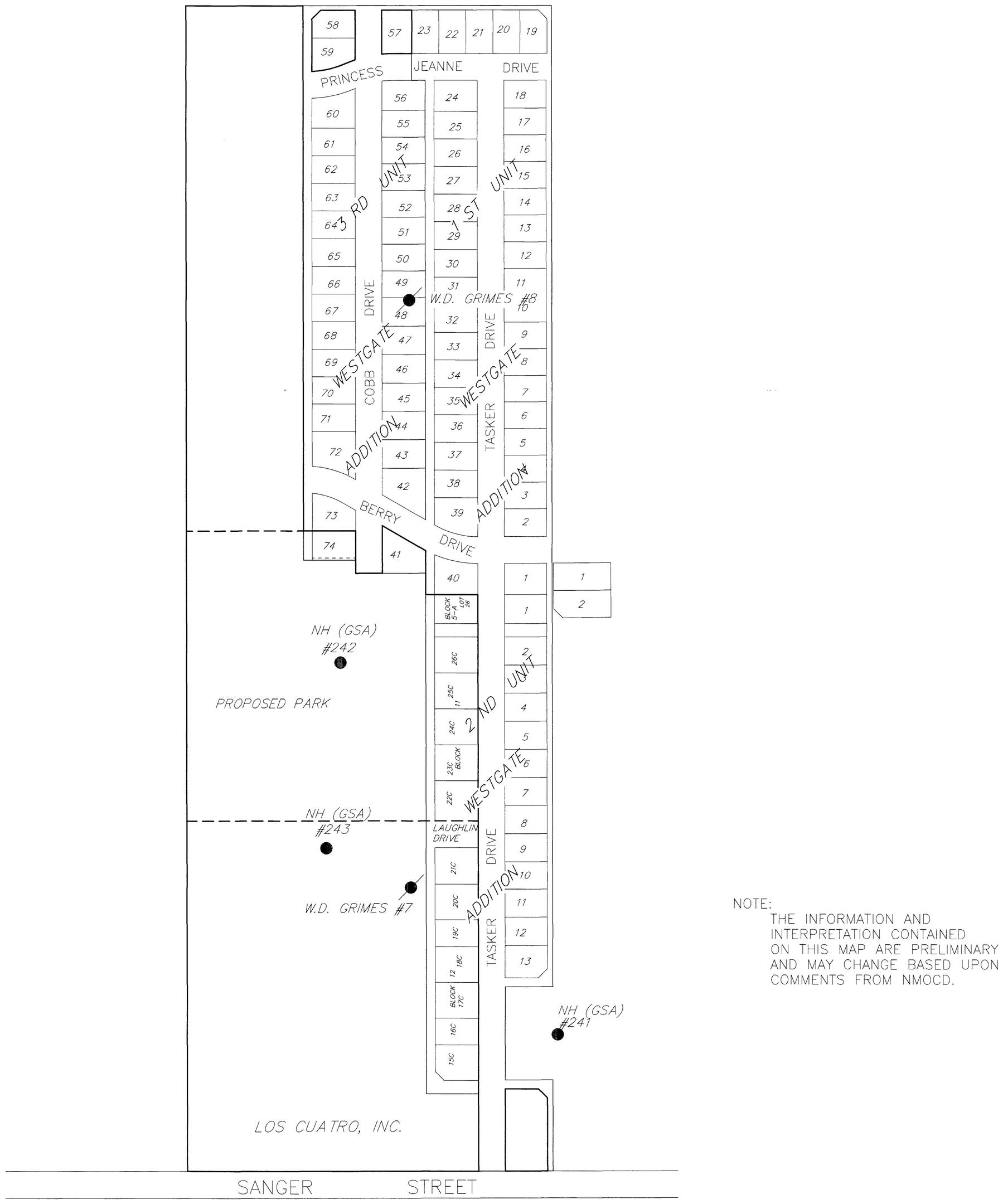
Analyte	Method	GMW-1	GMW-2	GMW-3B	GMW-4	GMW-5	GMW-6	GMW-7	GMW-8	GMW-9	GMW-10	GMW-11	TMW-1	TMW-2	TMW-3	TMW-4	TMW-5
		Sample: 119134	Sample: 119135	Sample: 119136	Sample: 118940	Sample: 119137	Sample: 119138	Sample: 118938	Sample: 118939	Sample: 118889	Sample: 118941	Sample: 118337	Sample: 118936	Sample: 118937	Sample: 118888	Sample: 118892	Sample: 119967
		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	mg/L	mg/L
Selenium	6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Uranium	6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	6010B	0.29	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND
Manganese	6010B	0.34	ND	ND	ND	ND	ND	ND	0.10	ND	ND	ND	ND	ND	ND	ND	0.19
Zinc	6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	6010B	0.25	0.23	0.44	0.21	0.37	0.19	0.24	0.52	0.25	0.27	0.18	0.62	0.62	0.35	0.43	0.44
Cobalt	6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	6010B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	6010B	0.25	ND	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	mg/L	mg/L
Cyanide	SM 4500CN C,E											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	mg/L	mg/L
Flouride	300.0											2.4				2.4	2.1
Nitrate	300.0											5.1				3.7	4.5
Chloride	300.0											120				190	180
Sulfate	300.0											92				85	170
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/Kg	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TDS	160.1											530				850	1,100
		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	150.1											7.5				7.3	7.0
		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	mg/L	mg/L
TRPHC	418.1											ND				6.08	0.820

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

Table 5 - Groundwater Laboratory Results - February 1999

		GMW-1	GMW-2	GMW-3B	GMW-4	GMW-5	GMW-6	GMW-7	GMW-8	GMW-9	GMW-10	GMW-11	TMW-1	TMW-2	TMW-3	TMW-4	TMW-5
Analyte	Method	Sample: 119134	Sample: 119135	Sample: 119136	Sample: 118940	Sample: 119137	Sample: 119138	Sample: 118938	Sample: 118939	Sample: 118889	Sample: 118941	Sample: 118337	Sample: 118936	Sample: 118937	Sample: 118888	Sample: 118892	Sample: 119967
		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	mg/L	mg/L
Total Phenols	SM 5530 A,D											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	pCi/L	pCi/L
Total Activity	901.1M											ND				6.57	1.95

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



NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

GARY G. EIDSON
NEW MEXICO
12641
REGISTERED PROFESSIONAL SURVEYOR

JOHN W. WEST SURVEYING COMPANY
412 N. DAL PASO – HOBBS, NEW MEXICO – 505/393-3117

BBC INTERNATIONAL, INC. / ARCADIS GERAGHTY & MILLER

WESTGATE SUBDIVISION
LOCATED IN SECTION 28,
TOWNSHIP 18 SOUTH,
RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

Surveyed By: LAWLESS	Drawn By: DMcCARLEY	Last Rev.: 6/14/99	Drawing Number
Date Begin: 5/11/98	Date: 5/12/98	Disk: BBC	*FIGURE 1*
Date End: 5/12/98	Approved By:	Sheet of	
Project #: 98110738	Filename: FIGURE1	Scale: 1"=200'	

EXCAVATION SITE

FORMER GRIMES TANK BATTERY

EXCAVATION SITE

COBB DRIVE

BERRY DRIVE

ALLEY

TASKER DRIVE

SAN ANDRES

PIPELINE EASEMENT

3581

3580

3579

3578

3577

42 38 39 4 3 2 15 16 17 41 74 1 2 3 4 5 26C 25C 24C

GSB-1 GSB-2 GSB-3 GSB-4 GSB-5 GSB-6 GSB-7 GSB-8 GSB-9 GSB-10 GSB-11 GSB-12 GSB-13 GSB-14 GSB-15 GSB-16 GSB-17 GSB-18

GBN-1 GBN-2 GBN-3 GBN-4 GBN-5 GBN-6 GBN-7

GBS-1 GBS-2 GBS-3 GBS-4 GBS-5 GBS-6

CSS-1 CSS-2 CSS-3 CSS-4 CSS-5 CSS-6 CSS-7 CSS-8

GMW-1 3579.93
GMW-2 3580.93
GMW-3A 3580.43
GMW-3B
GMW-4 3580.54
GMW-5 3579.26
GMW-6 3579.91
GMW-7 3579.18
GMW-8 3579.31
GMW-9 3579.79
GMW-10 3581.20
GMW-11 3580.26

TSB-1 TSB-2 TSB-3 TSB-4 TSB-5 TSB-6 TSB-7 TSB-8 TSB-9 TSB-10 TSB-11 TSB-12 TSB-13 TSB-15 TSB-16 TSB-17 TSB-18 TSB-19 TSB-23 TSB-27 TSB-32 TSB-39 TSB-42 TSB-49

TMW-1 3578.87
TMW-2 3578.53
TMW-3 3578.51
TMW-4 3577.8
TMW-5 3577.66

NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES EXISTING RESIDENCE
- DENOTES DIRT LEASE ROAD
- DENOTES NEW EXCAVATION SITE
- TSB – DENOTES TASKER SOIL BORING
  GSB – DENOTES GRIMES SOIL BORING
- TMW – DENOTES TASKER MONITOR WELL
  GMW – DENOTES GRIMES MONITOR WELL
- GBS– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
  GBN– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
- GBS– DENOTES SURFACE SAMPLES AFTER EXCAVATION
  GBN– DENOTES SURFACE SAMPLES AFTER EXCAVATION

40 0 40 80 FEET
Scale: 1"=40'

GARY G. EIDSON NEW MEXICO 12641 REGISTERED PROFESSIONAL SURVEYOR
6/23/99

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC. / ARCADIS GERAGHTY & MILLER

GRIMES BATTERY & TASKER ROAD

GROUND WATER ELEVATION/GRADIENT
MEASURED 2/11/99

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 6/7/99	D-847
DATE BEGIN: 5/11/98	DATE: 8/13/98	FILE NAME: FIGURE2	FIGURE 2
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110736	DISK #: BBC	Scale: 1"=40'	

EXCAVATION SITE

FORMER GRIMES TANK BATTERY

EXCAVATION SITE

ALLEY

COBB DRIVE

BERRY DRIVE

ALLEY

ALLEY

PIPELINE EASEMENT

TASKER DRIVE

ALLEY

SAN ANDRES

42 38 39 4 3 2 15 16 17 74 41 1 2 3 4 5 2HC 2SC 2AC

GSB-18 GSB-6 GSB-5 GSB-7 GSB-17 GSB-16 GSB-13 GSB-12 GSB-15 GSB-14 GSB-3 GSB-2 GSB-9 GSB-4 GSB-11 GSB-10 GSB-8 GSB-1

GBN-7 GBN-3 GBN-2 GBN-1 GBN-5 GBN-6 GBN-4

CSS-5 CSS-7 CSS-6 CSS-4 CSS-3 CSS-1 CSS-2 CSS-8

GMW-11 3580.26

GMW-2 3580.93

GMW-9 3579.79

GMW-10 3581.20

GMW-1 3579.93

GMW-3B GMW-3A 3580.43

GMW-5 3579.26

GMW-4 3580.54

GMW-6 3579.91

GMW-7 3579.18

GMW-8 3579.31

TSB-3 TSB-4 TSB-5 TSB-2 TSB-6 TSB-1 TSB-7 TSB-10 TSB-8 TSB-11 TSB-13 TSB-15 TSB-12 TSB-9

TMW-3 3578.51

TMW-1 3578.87

TMW-2 3578.53

TSB-18 TSB-19 TSB-23 TSB-27 TSB-16 TSB-39 TSB-32 TSB-42 TSB-49 TSB-17

TMW-4 3577.8

TMW-5 3577.66

GBS-1 GBS-4 GBS-3 GBS-5 GBS-6 GBS-2

NOTE:
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LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
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  GBN– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
- GBS– DENOTES SURFACE SAMPLES AFTER EXCAVATION
  GBN– DENOTES SURFACE SAMPLES AFTER EXCAVATION

40 0 40 80 FEET
Scale: 1"=40'

GARY G. EIDSON NEW MEXICO 12641 REGISTERED PROFESSIONAL SURVEYOR
6/23/99

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC. / ARCADIS GERAGHTY & MILLER

GRIMES BATTERY & TASKER ROAD

MONITOR WELL, SOIL BORING & SURFACE SOIL SAMPLE 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: 6/14/99	D-847
DATE BEGIN: 5/11/98	DATE: 6/13/98	FILE NAME: FIGURE3	FIGURE 3
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=40'	

JEANNE DRIVE

PRINCESS

WESTGATE ADDITION UNIT

2ND

DRIVE

COBB

TASKER

BERRY DRIVE

W.D. GRIMES #8

NH (GSA) #242

PROPOSED PARK

NH (GSA) #243

W.D. GRIMES #7

LAUGHLIN DRIVE

SANGER STREET

NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

LEGEND

SOIL VAPOR
TPH CONCENTRATION

- = 1–5 PPM
- = 6–10 PPM
- = 11–100 PPM
- = > 100
- = NON–DETECT

GARY G. EIDSON NEW MEXICO 12070 RECORDED PROFESSIONAL SURVEYOR 6/23/99

LOS CUATRO, INC.

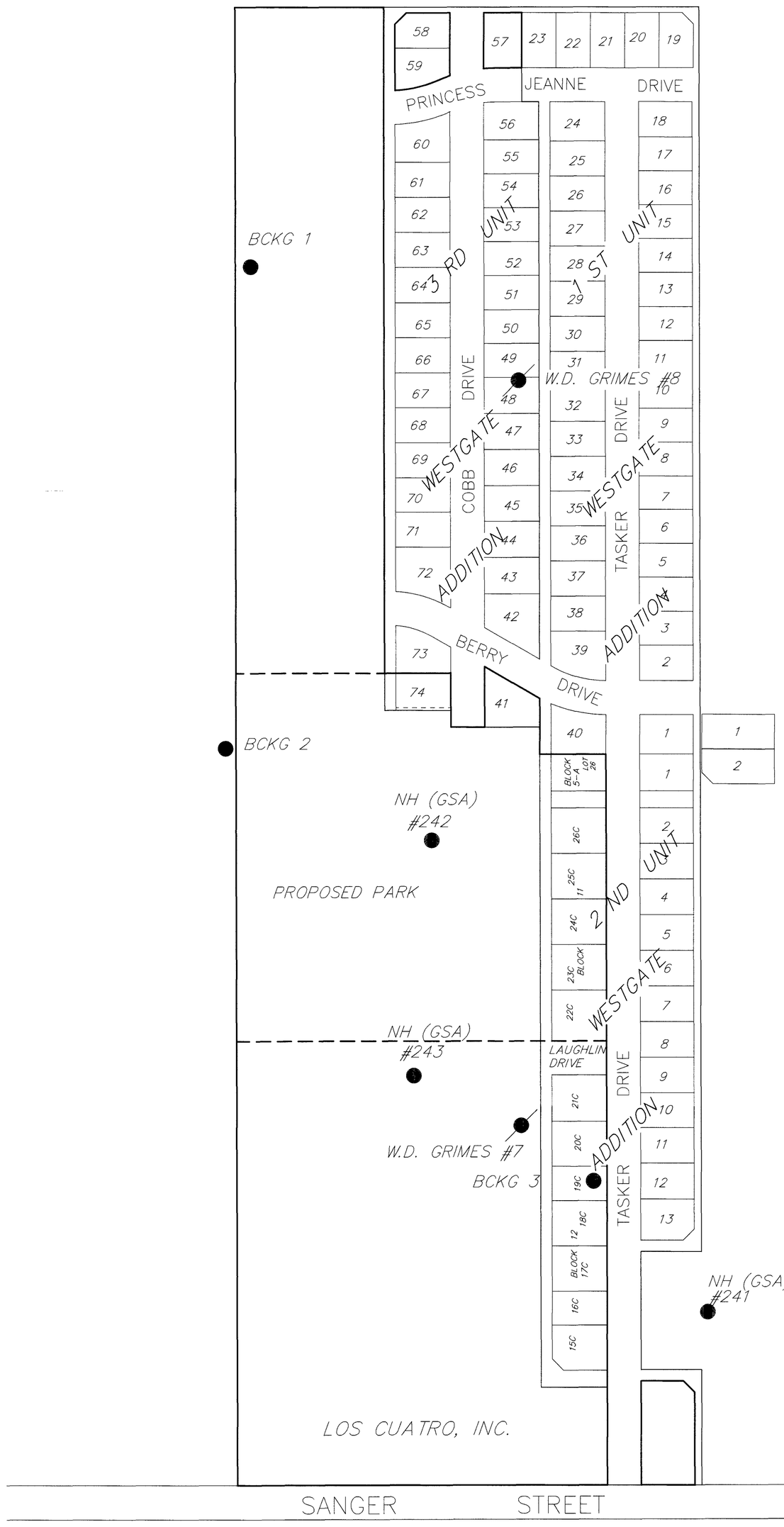
60 0 60 120 FEET
Scale:1"=60'

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC. / ARCADIS GERAGHTY & MILLER

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: LAMLESS	Drawn By: DWCC	Last Rev.: 6/14/99	B-947
Date Begin: 5/11/98	Date: 3/12/98	Disk: BBC	
Date End: 9/1/98	Approved By:	Sheet 1 of 1	FIGURE 4
Project #: 981107.38	Filename: FIGURE4		



NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

GARY G. EIDSON NEW MEXICO 12641 REGISTERED PROFESSIONAL SURVEYOR
6/23/99

JOHN W. WEST SURVEYING COMPANY
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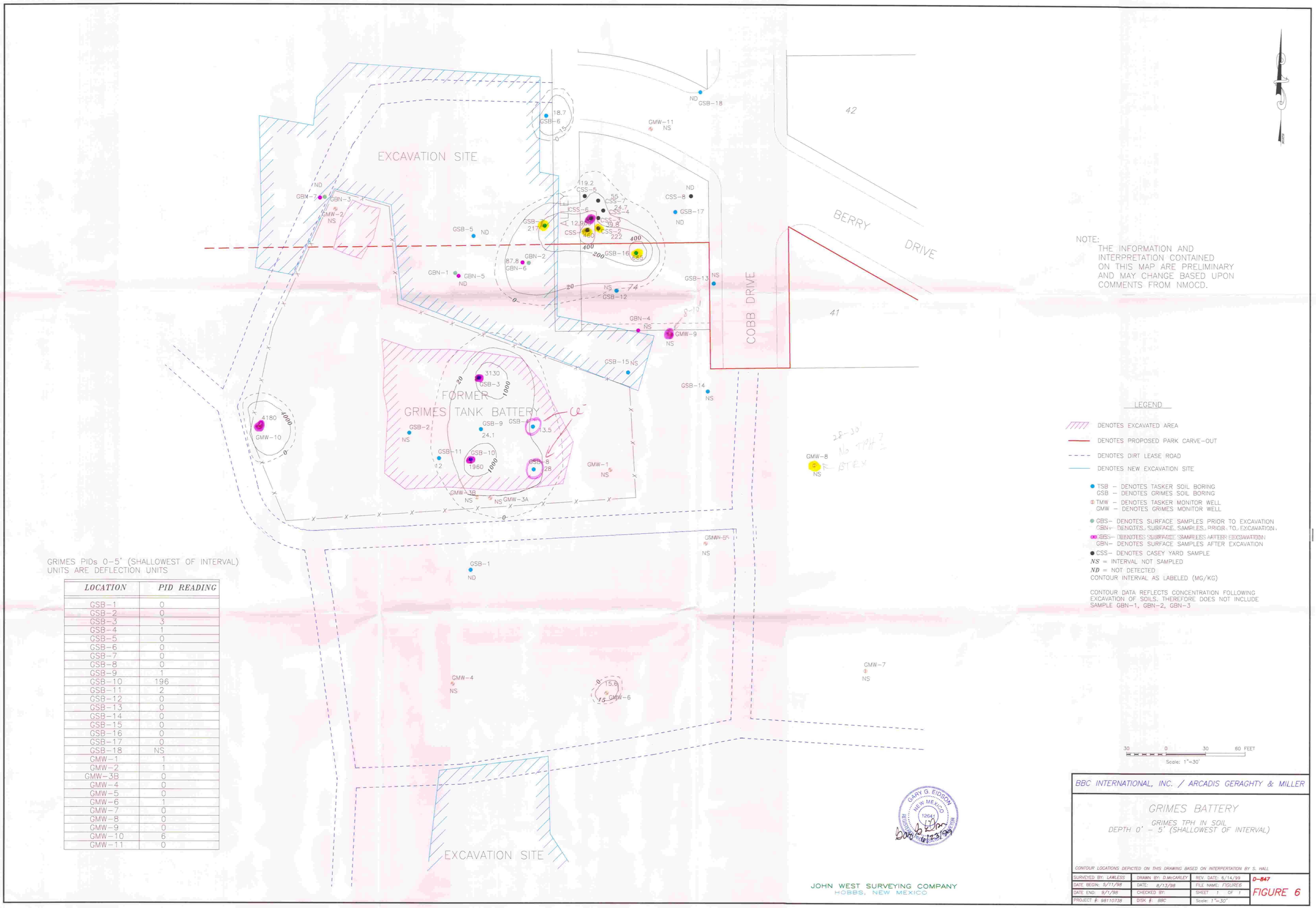
BACKGROUND SAMPLES LOCATED IN SECTION 28, TOWNSHIP 18 SOUTH, RANGE 38 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

Surveyed By: LAWLESS	Drawn By: DMcCARLEY	Last Rev.: 6/14/99	Drawing Number
Date Begin: 5/11/98	Date: 5/12/98	Disk: BBC	
Date End: 5/12/98	Approved By:	Sheet of	*FIGURE 5*
Project #: 98110738	Filename: FIGURE5	Scale: 1"=200'	



NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES DIRT LEASE ROAD
- DENOTES NEW EXCAVATION SITE
- TSB – DENOTES TASKER SOIL BORING
  GSB – DENOTES GRIMES SOIL BORING
- TMW – DENOTES TASKER MONITOR WELL
  GMW – DENOTES GRIMES MONITOR WELL
- GBS– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
  GBN– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
- GSS– DENOTES SURFACE SAMPLES AFTER EXCAVATION
  GBN– DENOTES SURFACE SAMPLES AFTER EXCAVATION
- CSS– DENOTES CASEY YARD SAMPLE
- *NS* = INTERVAL NOT SAMPLED
- *ND* = NOT DETECTED
- CONTOUR INTERVAL AS LABELED (MG/KG)

CONTOUR DATA REFLECTS CONCENTRATION FOLLOWING EXCAVATION OF SOILS. THEREFORE DOES NOT INCLUDE SAMPLE GBN-1, GBN-2, GBN-3

GRIMES PIDs 0-5' (SHALLOWEST OF INTERVAL)
UNITS ARE DEFLECTION UNITS

LOCATION	*PID READING*
GSB-1	0
GSB-2	0
GSB-3	3
GSB-4	1
GSB-5	0
GSB-6	0
GSB-7	0
GSB-8	0
GSB-9	1
GSB-10	196
GSB-11	2
GSB-12	0
GSB-13	0
GSB-14	0
GSB-15	0
GSB-16	0
GSB-17	0
GSB-18	NS
GMW-1	1
GMW-2	1
GMW-3B	0
GMW-4	0
GMW-5	0
GMW-6	1
GMW-7	0
GMW-8	0
GMW-9	0
GMW-10	6
GMW-11	0

30 0 30 60 FEET
Scale: 1"=30'

GARY G. EIDSON NEW MEXICO 12641 REGISTERED PROFESSIONAL LAND SURVEYOR
6/23/99

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

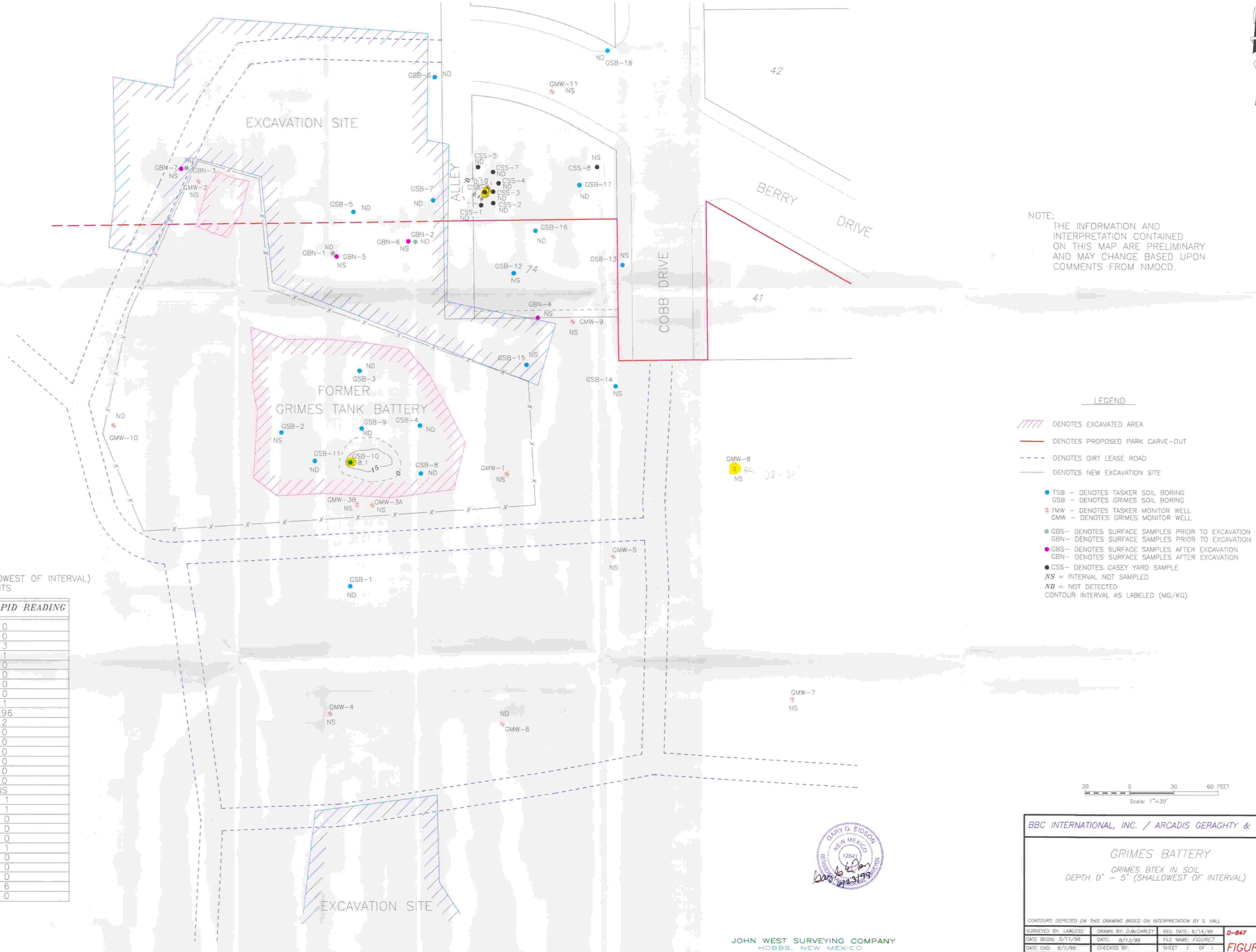
BBC INTERNATIONAL, INC. / ARCADIS GERAGHTY & MILLER

GRIMES BATTERY

GRIMES TPH IN SOIL
DEPTH 0' – 5' (SHALLOWEST OF INTERVAL)

CONTOUR LOCATIONS DEPICTED ON THIS DRAWING BASED ON INTERPERTATION BY S. HALL

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 6/14/99	D-847
DATE BEGIN: 5/11/98	DATE: 8/13/98	FILE NAME: FIGURE6	FIGURE 6
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=30'	



NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES DIRT LEASE ROAD
- DENOTES NEW EXCAVATION SITE
- TSB – DENOTES TASKER SOIL BORING
  GSB – DENOTES GRIMES SOIL BORING
- TMW – DENOTES TASKER MONITOR WELL
  GMW – DENOTES GRIMES MONITOR WELL
- GBS– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
  GBN– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
- GBS– DENOTES SURFACE SAMPLES AFTER EXCAVATION
  GBN– DENOTES SURFACE SAMPLES AFTER EXCAVATION
- CSS– DENOTES CASEY YARD SAMPLE
- *NS* = INTERVAL NOT SAMPLED
- *ND* = NOT DETECTED
- CONTOUR INTERVAL AS LABELED (MG/KG)

GRIMES PIDs 0–5' (SHALLOWEST OF INTERVAL)
UNITS ARE DEFLECTION UNITS

LOCATION	*PID READING*
GSB–1	0
GSB–2	0
GSB–3	3
GSB–4	1
GSB–5	0
GSB–6	0
GSB–7	0
GSB–8	0
GSB–9	1
GSB–10	196
GSB–11	2
GSB–12	0
GSB–13	0
GSB–14	0
GSB–15	0
GSB–16	0
GSB–17	0
GSB–18	NS
GMW–1	1
GMW–2	1
GMW–3B	0
GMW–4	0
GMW–5	0
GMW–6	1
GMW–7	0
GMW–8	0
GMW–9	0
GMW–10	6
GMW–11	0

30 0 30 60 FEET
Scale: 1"=30'

GARY G. EIDSON NEW MEXICO 12641 REGISTERED PROFESSIONAL SURVEYOR
6/23/99

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

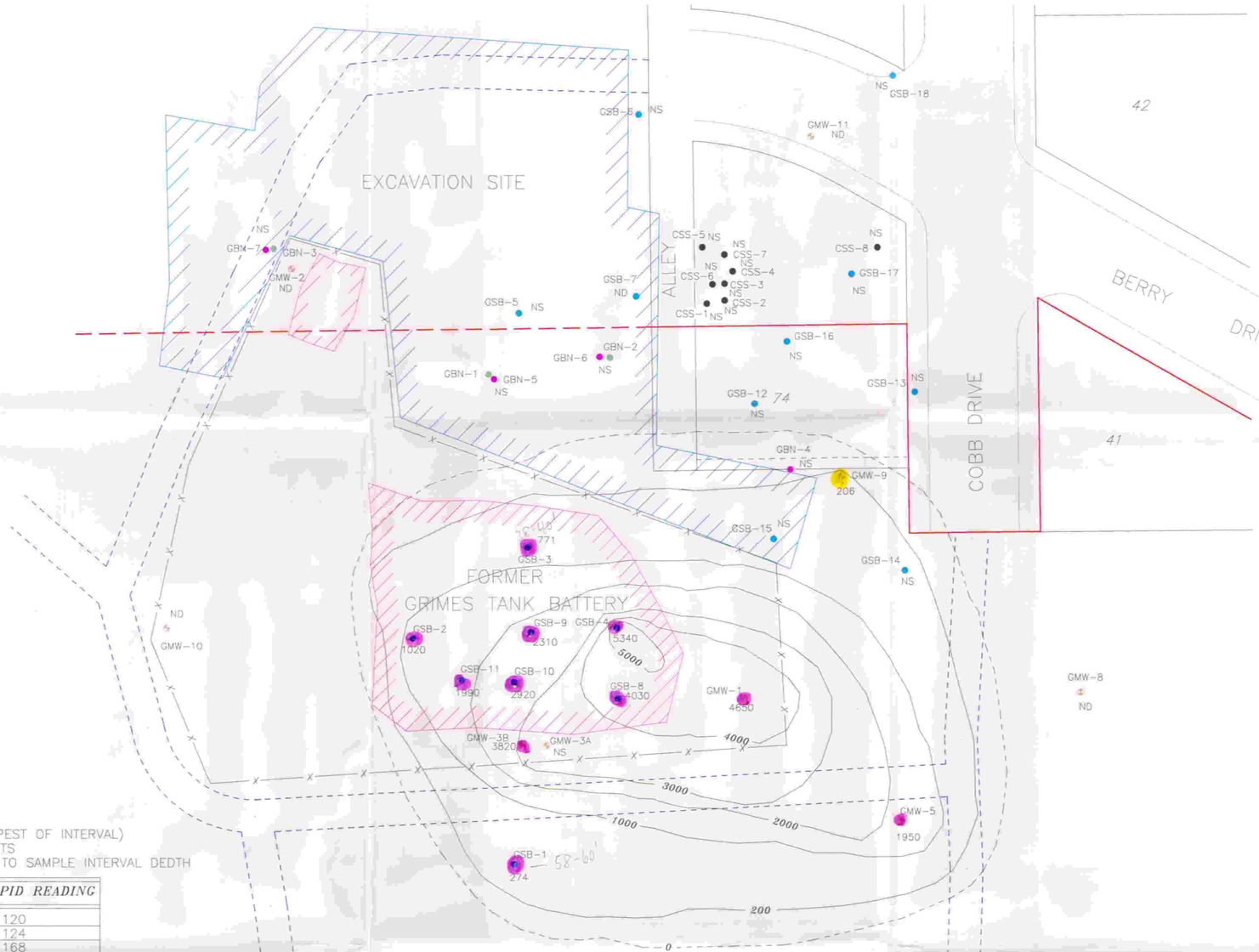
BBC INTERNATIONAL, INC. / ARCADIS GERAGHTY & MILLER

GRIMES BATTERY

GRIMES BTEX IN SOIL
DEPTH 0' – 5' (SHALLOWEST OF INTERVAL)

CONTOURS DEPICTED ON THIS DRAWING BASED ON INTERPRETATION BY S. HALL

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 6/14/99	D-847
DATE BEGIN: 5/11/98	DATE: 6/13/98	FILE NAME: FIGURE7	FIGURE 7
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=30'	



NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES DIRT LEASE ROAD
- DENOTES NEW EXCAVATION SITE
- TSB – DENOTES TASKER SOIL BORING
  GSB – DENOTES GRIMES SOIL BORING
- TMW – DENOTES TASKER MONITOR WELL
  GMW – DENOTES GRIMES MONITOR WELL
- GBS– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
  GBN– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
- GBS– DENOTES SURFACE SAMPLES AFTER EXCAVATION
  GBN– DENOTES SURFACE SAMPLES AFTER EXCAVATION
- CSS– DENOTES CASEY YARD SAMPLE

NS = INTERVAL NOT SAMPLED
ND = NOT DETECTED
CONTOUR INTERVAL AS LABELED (MG/KG)

GRIMES PIDs 50–65' (DEEPEST OF INTERVAL)
UNITS ARE DEFLECTION UNITS
* BOREHOLE NOT DRILLED TO SAMPLE INTERVAL DEDTH

LOCATION	*PID READING*
GSB–1	120
GSB–2	124
GSB–3	168
GSB–4	145
GSB–5	NS*
GSB–6	NS*
GSB–7	0
GSB–8	89
GSB–9	266
GSB–10	
GSB–11	150
GSB–12	NS*
GSB–13	NS*
GSB–14	NS*
GSB–15	NS*
GSB–16	NS*
GSB–17	NS*
GSB–18	NS*
GMW–1	380
GMW–2	0
GMW–3B	178
GMW–4	0
GMW–5	299
GMW–6	0
GMW–7	0
GMW–8	0
GMW–9	180
GMW–10	0
GMW–11	0

30 0 30 60 FEET
Scale: 1"=30'

GARY G. EIDSON NEW MEXICO 12641 REGISTERED PROFESSIONAL SURVEYOR

JOHN WEST SURVEYING COMPANY
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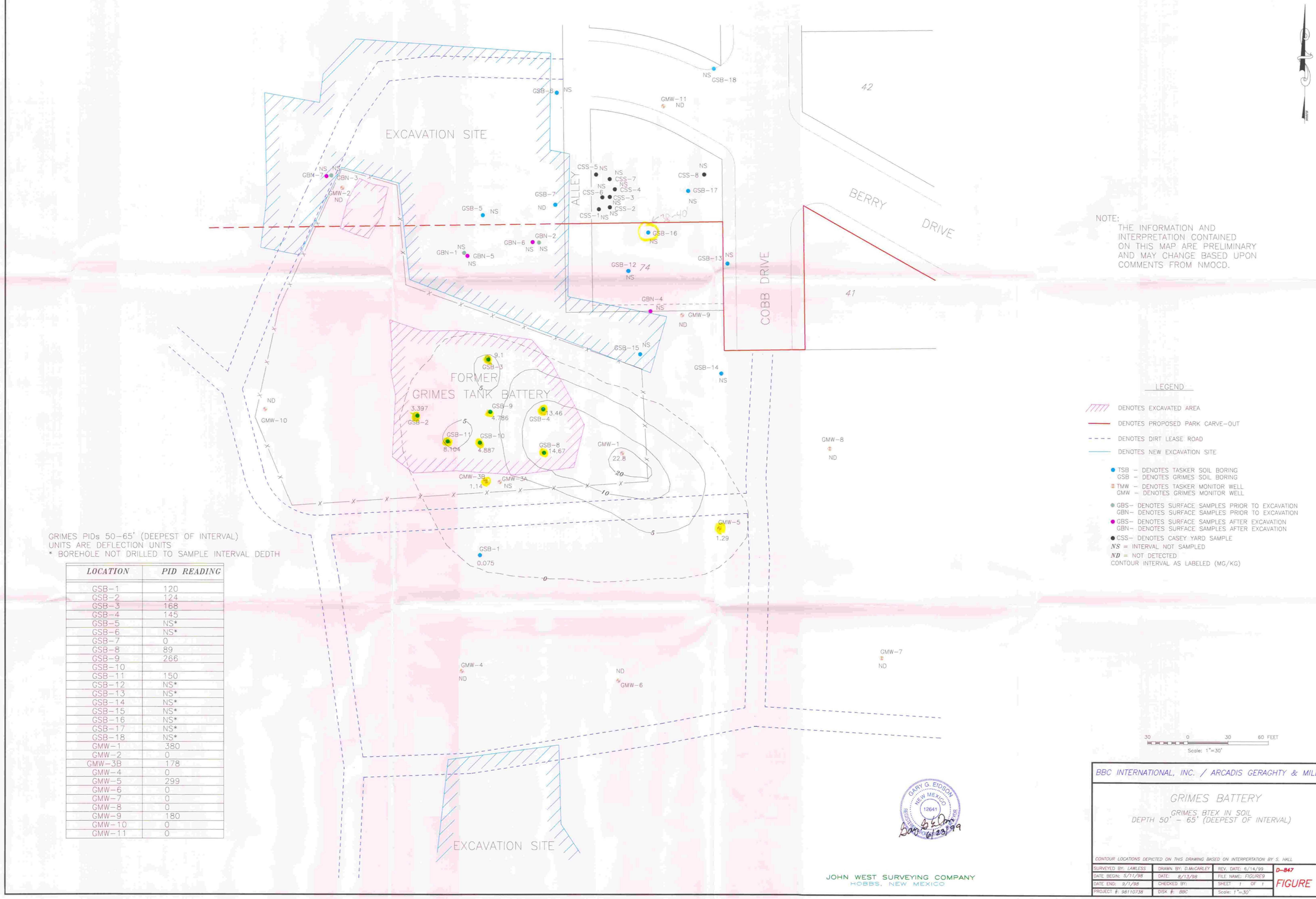
GRIMES BATTERY

GRIMES TPH IN SOIL
DEPTH 50' – 65' (DEEPEST OF INTERVAL)

CONTOUR LOCATIONS DEPICTED ON THIS DRAWING BASED ON INTERPERTATION BY S. HALL

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 6/14/99	D-847
DATE BEGIN: 5/11/98	DATE: 8/13/98	FILE NAME: FIGURE8	FIGURE 8
DATE END: 8/1/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=30'	



NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES DIRT LEASE ROAD
- DENOTES NEW EXCAVATION SITE
- TSB – DENOTES TASKER SOIL BORING
  GSB – DENOTES GRIMES SOIL BORING
- TMW – DENOTES TASKER MONITOR WELL
  GMW – DENOTES GRIMES MONITOR WELL
- GBS– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
  GBN– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
- GBS– DENOTES SURFACE SAMPLES AFTER EXCAVATION
  GBN– DENOTES SURFACE SAMPLES AFTER EXCAVATION
- CSS– DENOTES CASEY YARD SAMPLE

NS = INTERVAL NOT SAMPLED
ND = NOT DETECTED
CONTOUR INTERVAL AS LABELED (MG/KG)

GRIMES PIDs 50–65' (DEEPEST OF INTERVAL)
UNITS ARE DEFLECTION UNITS
* BOREHOLE NOT DRILLED TO SAMPLE INTERVAL DEDTH

LOCATION	*PID READING*
GSB–1	120
GSB–2	124
GSB–3	168
GSB–4	145
GSB–5	NS*
GSB–6	NS*
GSB–7	0
GSB–8	89
GSB–9	266
GSB–10	
GSB–11	150
GSB–12	NS*
GSB–13	NS*
GSB–14	NS*
GSB–15	NS*
GSB–16	NS*
GSB–17	NS*
GSB–18	NS*
GMW–1	380
GMW–2	0
GMW–3B	178
GMW–4	0
GMW–5	299
GMW–6	0
GMW–7	0
GMW–8	0
GMW–9	180
GMW–10	0
GMW–11	0

30 0 30 60 FEET
Scale: 1"=30'

GARY G. EIDSON NEW MEXICO 12641 REGISTERED PROFESSIONAL SURVEYOR
6/23/99

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

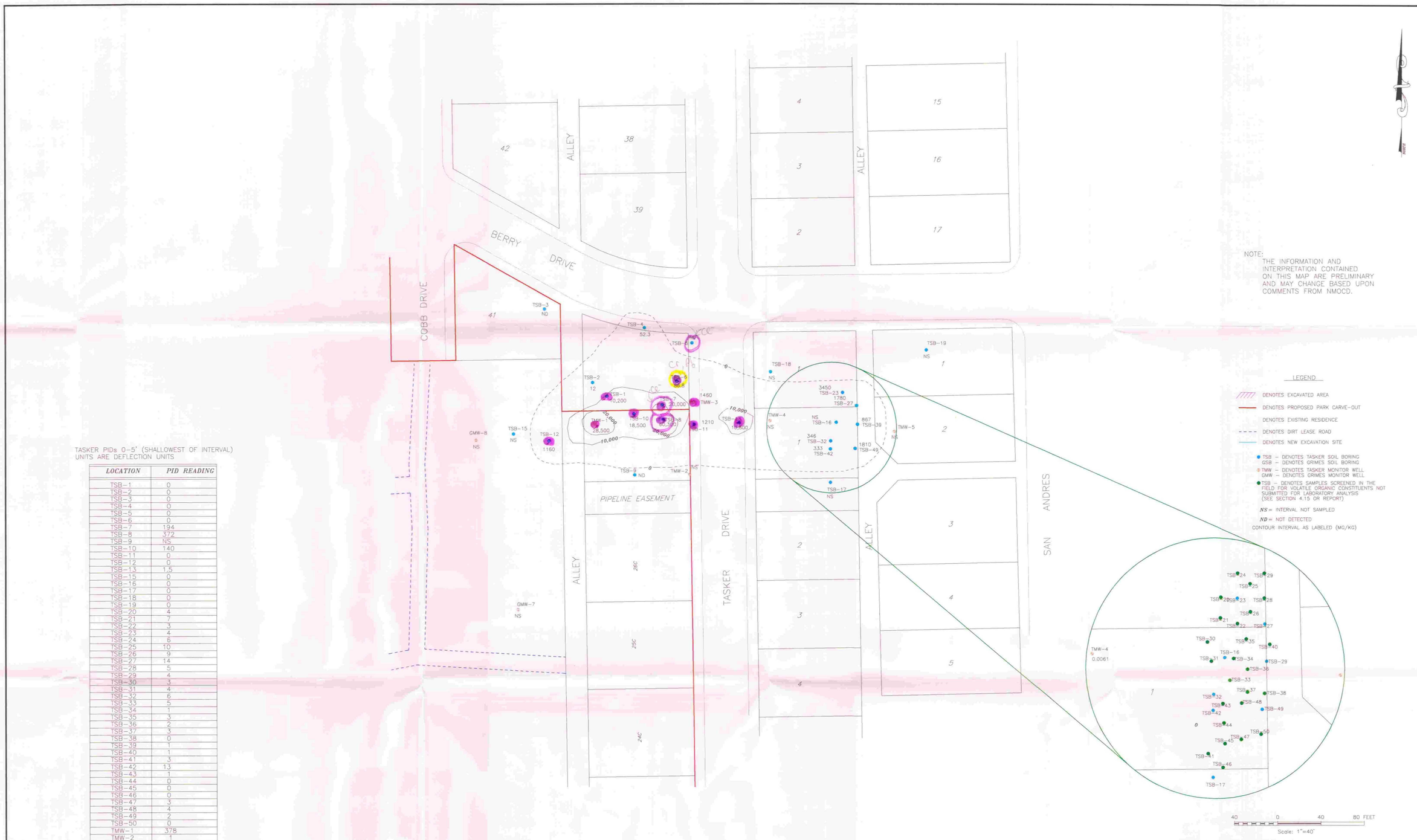
BBC INTERNATIONAL, INC. / ARCADIS GERAGHTY & MILLER

GRIMES BATTERY

GRIMES BTEX IN SOIL
DEPTH 50' – 65' (DEEPEST OF INTERVAL)

CONTOUR LOCATIONS DEPICTED ON THIS DRAWING BASED ON INTERPERTATION BY S. HALL

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 6/14/99	D-847
DATE BEGIN: 5/11/98	DATE: 6/15/98	FILE NAME: FIGURE9	FIGURE 9
DATE END: 5/11/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=30'	



TASKER PIDs 0-5' (SHALLOWEST OF INTERVAL)
UNITS ARE DEFLECTION UNITS

LOCATION	PID READING
TSB-1	0
TSB-2	0
TSB-3	0
TSB-4	0
TSB-5	0
TSB-6	0
TSB-7	194
TSB-8	372
TSB-9	NS
TSB-10	140
TSB-11	0
TSB-12	0
TSB-13	1.5
TSB-15	0
TSB-16	0
TSB-17	0
TSB-18	0
TSB-19	0
TSB-20	4
TSB-21	7
TSB-22	3
TSB-23	4
TSB-24	6
TSB-25	10
TSB-26	9
TSB-27	14
TSB-28	5
TSB-29	4
TSB-30	3
TSB-31	4
TSB-32	6
TSB-33	5
TSB-34	1
TSB-35	3
TSB-36	2
TSB-37	3
TSB-38	0
TSB-39	1
TSB-40	1
TSB-41	3
TSB-42	13
TSB-43	1
TSB-44	0
TSB-45	0
TSB-46	0
TSB-47	3
TSB-48	4
TSB-49	2
TSB-50	0
TMW-1	378
TMW-2	1
TMW-3	0
TMW-4	0
TMW-5	0

NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES EXISTING RESIDENCE
- DENOTES DIRT LEASE ROAD
- DENOTES NEW EXCAVATION SITE
- TSB – DENOTES TASKER SOIL BORING
  GSB – DENOTES GRIMES SOIL BORING
- TMW – DENOTES TASKER MONITOR WELL
  GMW – DENOTES GRIMES MONITOR WELL
- TSB – DENOTES SAMPLES SCREENED IN THE FIELD FOR VOLATILE ORGANIC CONSTITUENTS NOT SUBMITTED FOR LABORATORY ANALYSIS (SEE SECTION 4.15 OR REPORT)

NS = INTERVAL NOT SAMPLED
ND = NOT DETECTED
CONTOUR INTERVAL AS LABELED (MG/KG)

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JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC./ARCADIS GERAGHTY & MILLER

TASKER ROAD

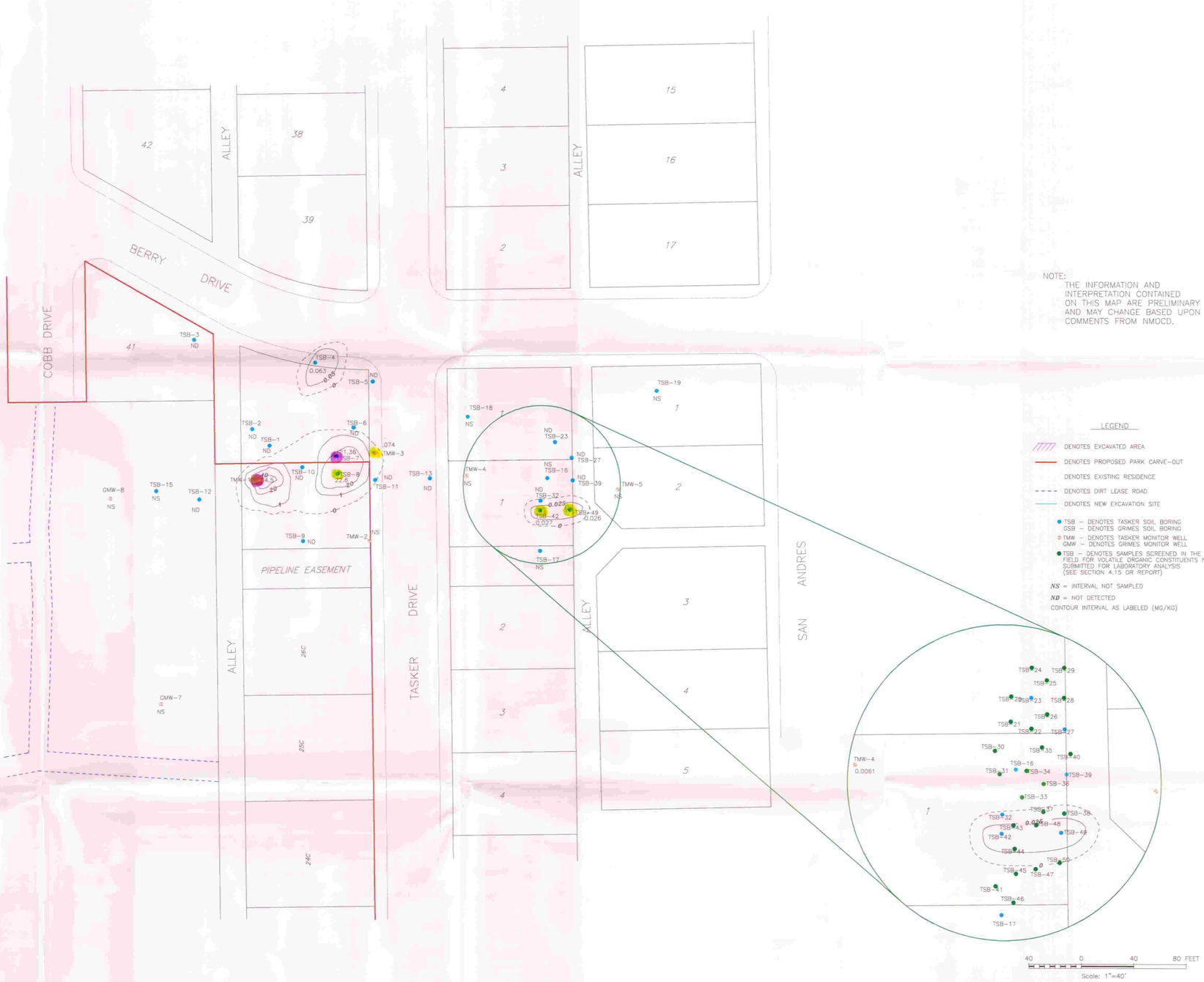
TASKER TPH IN SOIL
DEPTH 0' – 5' BGS (SHALLOWEST OF INTERVAL)

CONTOURS DEPICTED ON THIS DRAWING BASED ON INTERPRETATION BY S. HALL

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 6/14/99	D-847
DATE BEGIN: 5/11/98	DATE: 8/13/98	FILE NAME: FIGURE10	
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	FIGURE 10
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=40'	

TASKER PIDs 0-5' (SHALLOWEST OF INTERVAL)
UNITS ARE DEFLECTION UNITS

LOCATION	PID READING
TSB-1	0
TSB-2	0
TSB-3	0
TSB-4	0
TSB-5	0
TSB-6	0
TSB-7	194
TSB-8	372
TSB-9	NS
TSB-10	140
TSB-11	0
TSB-12	0
TSB-13	1.5
TSB-15	0
TSB-16	0
TSB-17	0
TSB-18	0
TSB-19	0
TSB-20	4
TSB-21	7
TSB-22	3
TSB-23	4
TSB-24	6
TSB-25	10
TSB-26	9
TSB-27	14
TSB-28	5
TSB-29	4
TSB-30	3
TSB-31	4
TSB-32	6
TSB-33	5
TSB-34	1
TSB-35	3
TSB-36	2
TSB-37	3
TSB-38	0
TSB-39	1
TSB-40	1
TSB-41	3
TSB-42	13
TSB-43	1
TSB-44	0
TSB-45	0
TSB-46	0
TSB-47	3
TSB-48	4
TSB-49	2
TSB-50	0
TMW-1	378
TMW-2	1
TMW-3	0
TMW-4	0
TMW-5	0



NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES EXISTING RESIDENCE
- DENOTES DIRT LEASE ROAD
- DENOTES NEW EXCAVATION SITE
- TSB – DENOTES TASKER SOIL BORING
  GSB – DENOTES GRIMES SOIL BORING
- TMW – DENOTES TASKER MONITOR WELL
  GMW – DENOTES GRIMES MONITOR WELL
- TSB – DENOTES SAMPLES SCREENED IN THE FIELD FOR VOLATILE ORGANIC CONSTITUENTS NOT SUBMITTED FOR LABORATORY ANALYSIS (SEE SECTION 4.15 OR REPORT)

NS = INTERVAL NOT SAMPLED
ND = NOT DETECTED
CONTOUR INTERVAL AS LABELED (MG/KG)

40 0 40 80 FEET
Scale: 1"=40'

GARY G. EIDSON NEW MEXICO 12641 REGISTERED PROFESSIONAL SURVEYOR
6/23/99

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC./ARCADIS GERAGHTY & MILLER

TASKER ROAD

TASKER BTEX IN SOIL
DEPTH 0' – 5' BGS (SHALLOWEST OF INTERVAL)

CONTOURS DEPICTED ON THIS DRAWING BASED ON INTERPRETATION BY S. HALL

SURVEYED BY: LAWLESS	DRAWN BY: DJMcCARLEY	REV. DATE: 6/14/99	D-847
DATE BEGIN: 5/11/98	DATE: 6/13/98	FILE NAME: FIGURE11	
DATE END: 5/1/98	CHECKED BY:	SHEET 1 OF 1	FIGURE 11
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=40'	

NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES EXISTING RESIDENCE
- DENOTES DIRT LEASE ROAD
- DENOTES NEW EXCAVATION SITE
- TSB – DENOTES TASKER SOIL BORING
  GSB – DENOTES GRIMES SOIL BORING
- TMW – DENOTES TASKER MONITOR WELL
  GMW – DENOTES GRIMES MONITOR WELL
- **NS** = INTERVAL NOT SAMPLED
- **ND** = NOT DETECTED
- CONTOUR INTERVAL AS LABELED (MG/KG)

TASKER PIDs 10–20' (DEEPEST OF INTERVAL)
UNITS ARE DEFLECTION UNITS

LOCATION	*PID READING*
TSB–1	236
TSB–2	0
TSB–3	0
TSB–4	0
TSB–5	0
TSB–6	0
TSB–7	1
TSB–8	3
TSB–9	NS
TSB–10	321
TSB–11	113
TSB–12	134
TSB–13	2
TSB–15	0.1
TSB–16	162
TSB–17	0
TSB–18	0.3
TSB–19	0
TMW–1	0
TMW–2	0
TMW–3	182
TMW–4	89
TMW–5	0

40 0 40 80 FEET
Scale: 1"=40'

GARY G. EIDSON NEW MEXICO 12641 REGISTERED PROFESSIONAL SURVEYOR 6/23/99

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC./ARCADIS GERAGHTY & MILLER

TASKER ROAD

TASKER TPH IN SOIL
DEPTH 10' – 20' (DEEPEST OF INTERVAL)

CONTOURS DEPICTED ON THIS DRAWING BASED ON INTERPRETATION BY S. HALL

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 6/14/99	D-847
DATE BEGIN: 5/11/98	DATE: 8/13/98	FILE NAME: FIGURE12	FIGURE 12
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=40'	

NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES EXISTING RESIDENCE
- DENOTES DIRT LEASE ROAD
- DENOTES NEW EXCAVATION SITE
- TSB – DENOTES TASKER SOIL BORING
  GSB – DENOTES GRIMES SOIL BORING
- TMW – DENOTES TASKER MONITOR WELL
  GMW – DENOTES GRIMES MONITOR WELL
- **NS** = INTERVAL NOT SAMPLED
- **ND** = NOT DETECTED
- CONTOUR INTERVAL AS LABELED (MG/KG)

TASKER PIDs 10–20' (DEEPEST OF INTERVAL)
UNITS ARE DEFLECTION UNITS

LOCATION	*PID READING*
TSB–1	236
TSB–2	0
TSB–3	0
TSB–4	0
TSB–5	0
TSB–6	0
TSB–7	1
TSB–8	3
TSB–9	NS
TSB–10	321
TSB–11	113
TSB–12	134
TSB–13	2
TSB–15	0.1
TSB–16	162
TSB–17	0
TSB–18	0.3
TSB–19	0
TMW–1	0
TMW–2	0
TMW–3	182
TMW–4	89
TMW–5	0

40 0 40 80 FEET
Scale: 1"=40'

GARY G. EIDSON NEW MEXICO 12641 REGISTERED PROFESSIONAL LAND SURVEYOR
6/23/99

JOHN WEST SURVEYING COMPANY
HOBBS, NEW MEXICO

BBC INTERNATIONAL, INC./ARCADIS GERAGHTY & MILLER

TASKER ROAD

TASKER BTEX IN SOIL
DEPTH 10' – 20' BGS (DEEPEST OF INTERVAL)

CONTOURS DEPICTED ON THIS DRAWING BASED ON INTERPRETATION BY S. HALL

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 6/14/99	D-847
DATE BEGIN: 5/11/98	DATE: 6/13/98	FILE NAME: FIGURE13	FIGURE 13
DATE END: 5/1/98	CHECKED BY:	SHEET 1 OF 1	
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=40'	

EXCAVATION SITE

FORMER GRIMES TANK BATTERY

EXCAVATION SITE

COBB DRIVE

BERRY DRIVE

ALLEY

TASKER DRIVE

SAN ANDRES

PIPELINE EASEMENT

NOTE:
THE INFORMATION AND INTERPRETATION CONTAINED ON THIS MAP ARE PRELIMINARY AND MAY CHANGE BASED UPON COMMENTS FROM NMOCD.

LEGEND

- DENOTES EXCAVATED AREA
- DENOTES PROPOSED PARK CARVE-OUT
- DENOTES EXISTING RESIDENCE
- DENOTES DIRT LEASE ROAD
- DENOTES NEW EXCAVATION SITE
- TSB – DENOTES TASKER SOIL BORING
  GSB – DENOTES GRIMES SOIL BORING
- TMW – DENOTES TASKER MONITOR WELL
  GMW – DENOTES GRIMES MONITOR WELL
- GBS– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
  GBN– DENOTES SURFACE SAMPLES PRIOR TO EXCAVATION
- GBS– DENOTES SURFACE SAMPLES AFTER EXCAVATION
  GBN– DENOTES SURFACE SAMPLES AFTER EXCAVATION

TOTAL BTEX VALUES ARE LISTED BY EACH MONITOR WELL
BTEX VALUES INDICATED IN MG/L

40 0 40 80 FEET
Scale: 1"=40'

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GRIMES BATTERY & TASKER ROAD

TOTAL BTEX CONCENTRATIONS IN GROUNDWATER

(CONTOUR INTERVAL = 0.25 MILLIGRAMS PER LITER)

CONTOURS DEPICTED ON THIS DRAWING BASED ON INTERPRETATION BY S. HALL

SURVEYED BY: LAWLESS	DRAWN BY: D.McCARLEY	REV. DATE: 6/12/99	D-847
DATE BEGIN: 5/11/98	DATE: 6/13/98	FILE NAME: FIGURE14	
DATE END: 9/1/98	CHECKED BY:	SHEET 1 OF 1	FIGURE 14
PROJECT #: 98110738	DISK #: BBC	Scale: 1"=40'	