AP – 057

STAGE 1
ABATEMENT PLAN

DATE:
DEC 2006

AP-57
Stage 1 Abatement Plan
December 2006

TEXACO NEW MEXICO "G" STATE BATTERY #22

ADDENDUM TO STAGE 1 ABATEMENT PLAN (AP-57)

DECEMBER 2006

HESS CORPORATION
MONUMENT, NM

PREPARED BY:

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VIA FEDERAL EXPRESS
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December 21, 2006

Mr. Edward Hansen
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

SUBJECT: ADDENDUM TO STAGE 1 ABATEMENT PLAN (AP-57)
TEXACO NEW MEXICO "G"
STATE BATTERY #22

Dear Mr. Hansen:

On behalf of Hess Corporation, BBC International, Inc. respectfully submits the enclosed Addendum to Stage 1 Abatement Plan (AP-57).

If you have any questions, please do not hesitate to contact either myself at (505) 397-6388 or Amy@bbcinternational.com or Drew Hall at (432) 758-6713 or drewhall@hess.com.

Sincerely,

BBC International, Inc.

Amy C. Ruth
Environmental Scientist

AR:jg

cc: Drew Hall – Hess Corp.
Randy Barnes – Hess Corp.

From: Origin ID: (505)397-6388
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1.0 INTRODUCTION

The subject site is located north of Monument, New Mexico in Lea County in Unit Letter N, of Section 19, Township 19 South, and Range 37 East. The site is an abandoned tank battery, which had an associated pit that was operated from the late 1930's to 1991. The contamination at the former battery site was due to historical operation of the battery and the associated pit, which occurred prior to unitization of the North Monument Grayburg San Andres Unit (NMGSAU) in 1991, when the battery was decommissioned.

The site is situated near the bottom of a small draw, which contains a small perennial waterway with several depressions that hold one to two feet of water on a seasonal basis. During rainfall events the waterway carries storm water down hill to the southeast towards Monument Draw and water pools in the depressions which can persist for up to a month. It is likely that this draw is an area of local recharge for the unconfined Ogallala aquifer underlying the site, because the ground water is shallow in the area (less than 30 feet below ground surface). The site is elevated in reference this perennial waterway and is approximately 100 yards from any significant, seasonal water course. The hydrocarbons at the surface of the site were heavily weathered and clearly very old, so it is unlikely that the limited amount of storm water running off of the site has impacted this waterway in recent years. No visual evidence (oil sheen or free oil) was found that indicated hydrocarbons had impacted this surface water. No impacts were evident to the flora and fauna associated with the draw, and the amphibians and invertebrates observed in the ponded water of the draw appeared to be healthy and were reproducing regularly, as the water levels allowed.

Site assessment and remediation activities were conducted at the abandoned Hess Corporation (Hess), formerly Amerada Hess Corporation, former operator of the Texaco New Mexico "G" State Battery No. 22 beginning in May 2006. Hess developed a generic plan to investigate and remediate locations within the NMGSAU that have historical contamination in the Monument area. The New Mexico Oil Conservation Division (NMOCD) approved this generic work plan on December 5, 2005. Site investigation and remediation at the site was conducted in accordance with this plan.

Hess retained BBC International, Inc. (BBC) to investigate, remediate, and manage the site activities at the location.

2.0 SITE INVESTIGATION AND EXCAVATION

Site investigation and remediation at the location began with excavation of the battery and associated pit on May 4, 2006 as shown in the Site Diagram (**Figure 1**).

On May 5, 2006, BBC collected two (2) soil samples from the site, near the center of the hydrocarbon impacted area, to determine the extent of near surface hydrocarbon impacts between the battery pad and pit. The soil sample taken southeast of the center, entitled South East 2', was collected 2 feet below ground surface (bgs) and the sample collect near the center, entitled Center East 3', was taken 3 feet bgs. Please refer to **Figure 2** for the location of all samples collected relative to the battery pad and associated pit. These samples were submitted to a laboratory and analyzed for total petroleum hydrocarbons (TPH), including speciation of gasoline range organics (GRO) and diesel range organics (DRO), chloride, benzene, toluene, ethylbenzene, and xylene (BTEX). None of the Constituents of Concern (COC) analyzed were detected above New Mexico Oil Conservation Division regulatory guidance in either sample, please see **Table 1** for summaries of all analytical data and **Appendix I** for all laboratory analytical reports.

On May 11, 2006, BBC personnel collected three (3) soil samples from the site, one to characterize excavated soils for disposal, and two to determine the extent of contamination in the open excavations. As soil sample was taken from the spoil pile in the center of the site, entitled G Lact Pile, and the analytical data for the sample indicated that the waste could be disposed of via landfarm (e.g. chlorides less than 1000 ppm). A soil sample was collected from 12 feet bgs in the bottom of the associated pit at the east end of the site, this sample was labeled G Lact NE Pit 12'. Data for the sample showed high TPH (greater than 5000 ppm) and chlorides were low, indicating that more soil should be excavated from the area underneath the associated pit. Another soil sample was collected from the soils under the former battery pad at 15 feet bgs on the west end of the site, which was labeled G Lact W Pit 15'. Data for the sample indicated that excavation had removed VOC and salts from the vadose zone to below regulatory guidance and excavation under the pad was ended.

After further excavation (three [3] additional feet) of the associated pit, two additional samples were collected from the area under the associated pit on May 22, 2006 to determine if the area had been adequately excavated. The samples were collected from the floor of the excavation at 15 feet bgs. A soil sample taken from the northeast portion of the excavation, labeled G Lact NE 15', showed elevated TPH (1,950 ppm) and low chlorides. The soil sample collected from the southeast portion of the excavation; labeled G Lact SE 15' had similar results indicating elevated TPH (771 ppm) and low chlorides. Due to the elevated TPH found in the excavation at 15 feet bgs, Hess determined that additional investigation with a drilling rig was required to determine if contaminants had impacted the ground water below the associated pit.

On behalf of Hess, BBC notified the NMOCD on May 31, 2006 of drilling and soil sampling to occur inside and within the immediate vicinity of the associated pit on June 5 and 6, 2006. However, due to an unforeseen circumstance, drilling was

rescheduled for June 6 and June 8, 2006, which the NMOCD acknowledged by email on June 5, 2006.

Drilling and soil sampling in proximity to the associated pit began on June 6, 2006 to delineate the lateral and vertical extents of hydrocarbon impact. Soil samples at each borehole were taken at 3 feet bgs, 5 feet bgs, at 5 foot intervals thereafter, and at the extent of boring. Headspace measurements using a photo ionization detector (PID) and chloride field screens were used to determine which samples qualified for laboratory analyses (e.g. the sample with highest results of field tests). The sample collected at the extent of boring was also submitted for laboratory analysis in each soil boring. The first soil boring was located in the center of the excavation for the associated pit at 15 foot bgs, this boring was labeled SB1. Hydrocarbon impact was found to extend from 15 feet bgs to the ground water at 22 feet bgs. Free oil was visually detected in most samples from the boring and hydrocarbons were detected in all samples with a PID. Non-aqueous phase liquid (NAPL) was present on the ground water within SB1. A ground water sample collected from SB1 was submitted to an analytical laboratory for chloride analysis only and which was found to be less than the regulatory guidance. A second boring, SB2, was placed northwest of SB1 outside of the associated pit. A soil sample collected from SB2 at 20 feet bgs was submitted for laboratory analyses and showed low TPH and chlorides SB2 was completed as a monitor well and renamed MW1. All drilling logs are located in **Appendix IV**.

Acting on behalf of Hess, BBC notified NMOCD of groundwater contamination found at the site, and stated that additional site investigation would be conducted including the additional soil boring, soil sampling, and installation of ground water monitor wells. On the same day, Mr. Wayne Price of the NMOCD directed Hess to submit a Stage 1 Abatement Plan to the Santa Fe office for approval. On behalf of Hess, BBC proposed to the NMOCD to backfill the associated pit excavation due to safety concerns and to install, develop, and sample ground water monitor wells surrounding the site. The NMOCD responded on July 10, 2006 approving backfill of the excavation and installation of monitor wells with the instruction that this exchange of correspondences would be included in the Stage 1 Abatement Plan. The electronic correspondence regarding this approval can be referenced in **Appendix V**.

On June 8, 2006, NMOCD granted Hess approval to proceed with the proposed work with several conditions including:

- All submitted documents would be identified with the OCD# AP-57;
- NMOCD would be notified of all activities at the site;
- Monitor wells would be installed, developed, and sampled pursuant to approved EPA/NMOCD methods;
- Findings, conclusions, and recommendations would be submitted in a Stage 1 Abatement Plan by July 31, 2006; and

- Legal location, depth to groundwater, name of operator, and name of county would be sent to the NMOCD.

As requested, BBC returned requested information for the legal location, depth to groundwater, name of the operator, and name of the county to the NMOCD on June 12, 2006.

With the approval of the NMOCD, BBC continued soil boring, soil sampling and monitor well installation on June 8, 2006. Soil boring SB3 was drilled east of SB1 outside of the associated pit. Two soil samples from SB3 were submitted for laboratory analyses which indicated significant hydrocarbon contamination at the ground water interface. As a result of the field testing results and the presence of NAPL on the ground water the boring was not completed as a monitoring well and was properly plugged and abandoned. Another soil boring was made south of SB3 in an effort to delineate the eastern extent of the NAPL. Five (5) soil samples collected from this boring were submitted for analytical laboratory analysis, which indicated chloride impacts near the surface and no hydrocarbon impacts. As a result of the field testing results which indicated minimal impacts this boring was converted to a ground water monitoring well, MW3. Another boring was placed south of MW3 and what was believed to be directly down gradient of the impacted area. Field testing results and visual observations resulted in this boring not being completed as a groundwater monitoring well, and was labeled SB4 (originally labeled MW4). Three (3) soil samples were submitted to the laboratory from SB4, which indicated chloride impact near the surface and hydrocarbon impacts were found at the water interface. Another boring made northeast of the site, and due to negative testing results the boring was converted to a ground water monitoring well, MW2. A soil sample collected from this boring at 20 feet bgs was submitted for analyses, which indicated that the well had not been impacted with hydrocarbons or chlorides.

On the morning of June 20, 2006, the NMOCD was notified that closing soil samples would be collected from the tank battery area including the battery excavation on June 21, 2006. A total of eleven (11) soil samples were collected from the floor of the excavation and all samples were below the regulatory guidance for TPH and chlorides and indicated that the battery pad site could be closed and backfilled.

Further investigation of the impacts surrounding the associated pit began at the east end of the site on July 10, 2006. Four (4) boreholes were drilled, three (3) of which were converted to monitor wells, and soil samples were collected from each soil boring. The soil sample submitted for analyses from MW4 at 22 feet bgs showed no soil impacts above the regulatory guidance. SB5 was placed west of MW4 and directly south of the associated pit. A soil sample from 25 feet bgs was submitted and was found to have elevated levels of TPH. MW5 was placed southwest of SB5. A soil sample submitted from MW5 at 25 feet bgs showed no hydrocarbon or chloride impacts above the regulatory guidance.

MW6 was placed northeast of MW4 and a soil sample submitted for laboratory analysis also showed no impacts. At this point Hess had installed six (6) ground water monitoring wells which adequately delineate the vertical and horizontal hydrocarbon and chloride impacts to soil underneath the associate pit and vadose zone investigation was ceased.

3.0 EXCAVATION BACKFILL

Upon reviewing the laboratory results for eleven (11) closing samples collected from the battery on June 21, 2006, the NMOCD issued a verbal approval on the afternoon of June 29, 2006 to backfill the battery excavation. Written notification confirming the backfill approval along with the scheduled date to commence backfilling was sent to NMOCD on June 30, 2006. Backfill of the battery excavation began on July 18, 2006, and was completed on July 20, 2006 with 2,780 cubic yards of soil. Site photographs can be viewed in **Appendix III**.

On July 7, 2006, NMOCD verbally approved a proposal to backfill the associated pit excavation due to safety concerns, with a one-foot clay liner installed 6 feet bgs. On July 10, 2006, BBC confirmed via email that the rim of the associated pit would be excavated 6 feet outward from the edge and 6 feet downward. The excavation would be backfilled with fine soils from 15 feet bgs to 6 feet bgs (to the base of the 6 foot by 6 foot rim), a one foot thick clay liner would be installed, and the remaining 5 feet would be backfilled with topsoil. Approval was returned by the NMOCD on July 11, 2006.

Excavation of the associated pit rim began on July 21, 2006 immediately followed by backfilling activities. Backfill of the associated pit was completed on August 10, 2006 with 2,076 cubic yards of fine soils from 15 feet bgs to 6 feet bgs, 264 cubic yards of clay from 5 feet bgs to 6 feet bgs, and 4,932 cubic yards of topsoil from the ground surface to 5 feet bgs. To characterize additionally excavated soils on July 27, 2006, a composite sample, labeled Burn Pit Rim Spoils, was taken from the stockpile of excavated soil from the south and east rim of the associated pit. Laboratory analyses showed that the material was suitable for landfarming.

4.0 GROUNDWATER INVESTIGATION

On June 19-20, 2006, BBC personnel purged and developed MW1, MW2, and MW3. All depth measurements were taken from the top of casing, and three (3) well bore volumes were purged from each well. At MW1, depth to water was measured at 22.31 feet and total depth of the well was 32.10 feet. At MW2, depth to water was measured at 21.42 feet and total depth of the well was 30.41 feet. At MW3, non-aqueous phase liquids were measured at a depth of 23.54 feet, depth to water was at 23.58 feet, and total depth of the well was 32.35 feet.

On July 19, 2006, BBC personnel purged and developed MW4, MW5, and MW6. All depth measurements were taken from the top of casing, and three (3) well bore volumes were purged from each well. At MW4, depth to water was measured at 26.62 feet and total depth of the well was 34.29 feet. At MW5, depth to water was measured at 29.45 feet and total depth of the well was 36.18 feet. At MW6, depth to water was measured at 23.23 feet and total depth of the well was 33.80 feet. The groundwater gradient trended to the southeast at 0.0013 ft/ft. See **Figure 3** for a groundwater gradient map.

BBC conducted low flow purging and sampling of MW1, MW2, MW4, MW5, and MW6 on August 23-24, 2006. MW3 was gauged; however the well was not sampled due to presence of non-aqueous phase liquids (NAPL). At MW3, depth to product was 19.76 feet from the top of casing and depth to water was 20.22 feet. All samples from the remaining monitor wells were submitted to a laboratory and analyzed for volatile organic compounds (VOC's), semi-volatile organic compounds (SVOC's), metals (including mercury), cyanide, anions, pH, and total dissolved solids (TDS). Laboratory results indicated that concentrations of VOC's and SVOC's for the five (5) monitor wells were non-detectable. Metals were within water quality standards according to 1991 New Mexico Water Quality Control Commission Regulations with the exception of manganese (Mn) content in MW4 of 1.57 ppm. Mercury (Hg) and cyanide levels were non-detectable in all monitor wells. Anions were within standards with the exception of the sample from MW6. Chlorides were present at 389 ppm and fluoride content was 2.18 ppm. pH in all monitor wells ranged between 6 and 8. TDS levels were within standards in all monitor wells with the exception of MW6 in which 1,690 ppm were present. See **Figure 4** for a site diagram including analyte concentrations. A site diagram depicting estimated NAPL can be referenced in **Figure 5**. For original laboratory reports see **Appendix II**, for laboratory analytical summary tables see **Table 2**.

5.0 SURFACE OWNERSHIP

BBC conducted a one-mile radius search from the site of all known and registered surface owners. A review of the public tax rolls of Lea County, NM identified the name and addresses of the owners within one mile of the site. A diagram depicting the one-mile radius is found in **Figure 6**. A list of the surface owners can be found in **Appendix VI**.

6.0 ADDENDUM

As requested, this is an addendum to the Stage I Abatement Plan (AP-57) and addressed administrative and preliminary technical comments provided by the NMOCD in the letter "Re: Stage 1 Abatement Plan (AP-57) for the Texaco New Mexico "G" Battery #22 Unit Letter N, Section 19, T19S, R37E, Lea County, New Mexico", dated November 1, 2006. This letter can be referenced in **Appendix V**.

1. Please describe in detail the nature of the release; i.e., describe what was released from where and when at the site. Also, please include in the Stage I Abatement Plan the Form C-141 for this site.

Environmental contamination at the site is historical in nature. The release(s) of contaminants occurred while the battery was in operation, prior to 1991, and records do not exist that catalog the amount, substance, date or frequency of releases. A Form C-141 for the site is attached, and can be found in ***Appendix VII****.*

2. Provide additional information regarding the volume of material excavated of both the G Lact Pile and the Burn Pit Rim Spoils and the landfarm(s) where the material was disposed. Also, please provide additional information regarding the depth to which the Battery Area was excavated and the landfarm(s) where the material was disposed.

The G Lact Pile was comprised of soil excavated from the west end of the Battery Area and the Associated Pit. The Associated Pit was excavated to a depth of 15 feet below ground surface (bgs), from which approximately 1,986 cubic yards of soil was excavated and hauled to C&C Landfarm in Monument, New Mexico (NM). The rim of this pit was later excavated to install the clay liner. The soil from this excavation (Burn Pit Rim Spoils) totaled 200 cubic yards. A portion of these soils, 95 cubic yards, was contaminated material and was hauled to J&L Landfarm near Monument, NM. The remaining uncontaminated soil was used to restore the road adjacent to the site, which was removed during excavation. The Tank Battery Area consisted of a deeper excavation where the tanks were historically located (Battery Excavation) that was approximately 15 feet bgs near its center, and a second excavation, approximately 1 to 2 feet bgs, that surrounds the Battery Excavation. A total of 4,709 cubic yards of soil were removed from these excavations and hauled to C&C Landfarm.

3. Regarding the backfilling: this was represented to the Division as an emergency situation and you were proceeding at risk. Please indicate the purpose of the clay liner. Provide the hydraulic conductivity and the source of the material used for the clay liner. Also, provide the source of the material for backfilling the Battery Area Excavation and the Associated Pit Excavation.

As approved by Wayne Price, the associated pit was further excavated to ensure that the clay liner would cover the entire source area of contamination at the associated pit, back filled, capped with a 1-foot thick clay liner 5 feet bgs, and backfilled to the existing grade with top soil. As represented to the NMOCD, this was approved by the NMOCD and executed by Hess due to safety concerns associated with the shear walls of the excavation and the instability of the soils. The purpose of the clay liner is to prevent further migration of contaminants left in the vadose zone from 15 bgs to the water table (approximately 8 feet) until a

remedy is selected for the site during the Stage 2 portion of the abatement process.

The clay used for constructing the liner was excavated from land within the boundaries of C&C landfarm in Monument, NM owned and operated by Jim Cooper. The average permeability of the clay used for the liner is 9.85 x 10^{-07} cm/sec. Permeability test results can be viewed in ***Appendix VIII****.*

The material used to backfill the Battery Area Excavation was excavated from a caliche pit in Monument, NM also owned by Jim Cooper. Topsoil used to cap the Battery Area Excavation is native soil excavated near the same caliche pit.

Several materials were used to backfill the Associated Pit Excavation. Soil purchased from Wallach Concrete near Eunice, NM was used to fill the Associated Pit Excavation from 15 feet below ground surface (bgs) to 6 feet bgs. Topsoil used to cap the Battery Area Excavation is native soil excavated near the caliche pit in Monument, NM owned by Jim Cooper.

4. Please indicate in Table 1 if the soil samples labeled, "MW-4", are from the currently labeled borehole, SB-4. Also, please correct the sample date from "6/12/06" to 6/8/06 for these corresponding samples. In addition, please indicate in Table 1 if the soil sample labeled "SB-2" is from the currently labeled monitoring well, MW-1.

The soil samples labeled "MW-4" are from the borehole currently labeled SB-4 and are now referenced in Table 1. The sample date has been corrected to read 6/8/06. Also, the soil sample labeled "SB-2" is from the currently labeled monitoring well, MW-1, and is now referenced in Table 1.

5. Please include a brief description of the Ogallala Aquifer specific to the site, including hydraulic conductivity, probable aquifer thickness at the site, and an estimated velocity of ground water flow (these values may be obtained from regional hydrologic studies).

The water needs of southern Lea County are provided almost entirely by ground water from three major aquifers. The deeper Triassic rocks of the Dockum group provide only a small portion. The shallower Tertiary Ogallala and the Quaternary alluvium provide the main source of water. In areas where the Ogallala has eroded, Quaternary alluvium was deposited and the two aquifers are essentially contiguous in nature.

The site is located just off the southern edge of the High Plains. Along this edge, ground water transitions from the Ogallala formation to the Quaternary alluvium which underlies the Laguna Valley. The saturated thickness of the Ogallala formation on the High Plains ranges from 25 feet to 175 feet, and the water bearing zone approximately one mile north of the site is 67 feet to 108 feet. As

this site is within the boundaries of the Laguna Valley, the saturated thickness of the sediments at the site are approximately 15 feet to 30 feet with the water table at about 30 feet below ground surface. Hydraulic conductivity at the site is fairly significant due to the prevalence of sandy alluvial soils. The estimated sustained yield of wells in the area of the site is approximately 385 gallons per minute. The ground water gradient is 0.0013 ft./ft. to the southeast.

6. Also, provide an inventory of water wells within one mile of the site; especially those wells that could be potentially impacted by the release (these well locations may be obtained from the website of the Office of the State Engineer: http://iwaters.ose.state.nm.us:7001/iWATERS/).

An inventory of water wells located within one mile of the site can be found in ***Appendix IX****. These well locations were obtained from the website of the Office of the State Engineer and the US Geological Survey website. There are no wells located down gradient and in close proximity to the site, which could be impacted in the reasonably foreseeable future (e.g. within ¼ mile down gradient).*

7. MW-4 and MW-6, the most down gradient monitoring wells indicate concentrations above the apparent background concentrations for various constituents (and also above the numeric ground water protection standard). Please include an east-west geological cross-section of the site and a north-south geological cross-section of the associated pit area. The cross-sections should include concentration isopleths for constituents of concern. Also, please include a site plan map with concentration isopleths for constituents of concern.

Dissolved phase data from well MW-6 shows a single analyte above NMAC 20.6.2.3103 standards that is likely due to oil field operations. Due to lack of available data for constituents of concern exceeding regulatory standards, concentration isopleth maps can not be provided at this time; however, should additional data for analytes above the respective regulatory standard become available in the future Hess will provide the requested maps.

Please note that the occurrence of manganese above regulatory standards in MW-4 is not likely due to oil field operations at the site, or as a result of reducing conditions that could be caused by anaerobic degradation of volatile organic compounds in the subsurface or ground water. The presence of dissolved phase sulfate in well MW-4 indicates that the reduction-oxidation conditions in the well would not likely result in manganese reduction, which could lead to the mobilization of native manganese that may be present in the soil.

8. Please include a groundwater monitoring plan that will be conducted as part of the Stage I Abatement Plan, including which monitoring wells will be sampled, which parameters will be analyzed, and at what frequency. The monitoring plan must include the sampling of ground water in monitoring wells

even if NAPL is present. Also, please submit the ground water monitoring well construction diagrams for each well installed at the site.

All six ground water monitoring wells will be sampled quarterly for benzene, ethylbenzene, toluene, and xylenes (BTEX), and chlorides with annual reporting until the Stage II Abatement Plan is approved. Hess Corporation contests the necessity to sample ground water monitoring wells in which NAPL is present on the basis of unorthodox technical methodology; however, MW-3 will be sampled for TPH, Semi-volatile Organic Carbons, Volatile organic Carbons, general chemistry, and chlorides for the purpose of initial characterization, as dictated by the NMOCD. Although, subsequent samples collected from MW-3 will only be for constituents of concern detected during the initial characterization in concentrations above the respective regulatory standards. Groundwater monitoring well construction diagrams and drilling logs are enclosed in ***Appendix IV.***

9. Provide a schedule for further site investigation activities. Specifically, in the central portion of the Tank Battery Area there were TPH concentrations exceeding OCD's recommended remediation level of 100 mg/Kg (e.g., soil sample points: #4, #5, and #8) for this site. Also, in the area of the Associated Pit, TPH concentrations greater than the recommended remediation level were detected. Please indicate what further investigation will be conducted to delineate the TPH concentrations in these areas.

No further vadose zone investigation is planned at this time. Included in ***Appendix V*** *is the written confirmation of approval by the local NMOCD office allowing closure of the vadose zone impacted portions of the site, specifically the Tank Battery Area.*

10. In addition, elevated concentrations of chloride were detected in SB-3, SB-4, and MW-3. Please indicate what further investigation will be conducted to delineate the chloride concentration in the vadose zone in the area of the Associated Pit.

No further vadose zone investigation is planned at this time. Data available shows that chloride impacts are isolated to the upper 10 feet below ground surface and does not pose a significant risk of impacting groundwater, due to the low concentrations present in the soil. In addition to vertical delineation, data shows that vadose zone chloride impacts do not extend beyond the perimeter of ground water monitoring wells.

11. Additional groundwater monitoring (e.g., MW-3) must be conducted to delineate the ground water contamination. This may also require additional ground water monitoring wells to be installed at the site (e.g., down gradient of MW-6).

As discussed in item #8, Hess Corporation objects to sampling well MW-3; however, as dictated by the NMOCD, well MW-3 was sampled for the purpose of initial characterization. Further samples collected from well MW-3, on a quarterly basis, will only include constituents of concern that were detected above the respective regulatory standards. Laboratory results show that mercury is non-detect, manganese is present a 2.18 parts per million (ppm), semivolatiles (SVOC's) and volatiles (VOC's) are non-detect, fluoride is present at 2.13 ppm, cyanide is non-detect, pH is 6.96, and total dissolved solids are present at 526 ppm. Laboratory analyticals can be viewed in ***Appendix II*** *and a summary of laboratory analytical data can be found in* ***Table 2****.*

At this time additional ground water monitoring wells are not planned for the site because the detection of chloride in well MW-6 is close to the regulatory standard. Should dissolved phase data from well MW-6 show increasing concentrations of constituents of concern that may indicate further migration of constituents off site, Hess will evaluate the quarterly data collected from the well and if increasing concentrations are observed for more than 2 consecutive quarters, Hess will install additional ground water monitoring wells as needed to adequately delineate the lateral extent of the dissolved phase plume.

12. Provide the "survey" that was referenced in the letter from the abstract company that obtained the addresses of the surface owners.

It was not made clear in correspondence from the abstract company; although, the referenced "survey" is provided in the Stage I Abatement Plan as Figure 6.

7.0 ABATEMENT PROCESS

On behalf of Hess, BBC has submitted this Stage 1 Abatement Plan (AP-57) in accordance with NMOCD Rule 19 NMAC 15.1.19. Upon receipt of the NMOCD deeming the Stage 1 Abatement Plan administratively complete, Hess will create and publish a NMOCD approved public notice according to Rule 19 requirements.

TABLE 1

Soil Laboratory Analytical Results Summary

Texaco State "G" Lact Unit Battery #22
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

October, 2006

Prepared by:
BBC International, Inc.

Table 1. Soil Laboratory Analytical Results Summary

Analyte	Method	Sample Date	South East 2'	Center East 3'
			mg/Kg	mg/Kg
Benzene	S 8021B	05/05/06	<0.005	<0.005
Toluene	S 8021B	05/05/06	<0.005	<0.005
Ethylbenzene	S 8021B	05/05/06	<0.005	<0.005
Total Xylenes	S 8021B	05/05/06	<0.015	<0.015
Chloride	4500-Cl⁻B	05/05/06	<8	48
GRO	SW-846 8015 M	05/05/06	<10.0	<10.0
DRO	SW-846 8015 M	05/05/06	<10.0	<10.0

Analyte	Method	Sample Date	G Lact Pile	G Lact NE Pit 12'	G Lact W Pit 15'
			mg/Kg	mg/Kg	mg/Kg
Benzene	S 8021B	05/11/06	<0.005	<0.005	<0.005
Toluene	S 8021B	05/11/06	<0.005	<0.005	<0.005
Ethylbenzene	S 8021B	05/11/06	0.010	0.018	<0.005
Total Xylenes	S 8021B	05/11/06	0.076	0.089	<0.015
Chloride	4500-Cl⁻B	05/11/06	16	192	32
GRO	SW-846 8015 M	05/11/06	51.3	73.6	<10.0
DRO	SW-846 8015 M	05/11/06	379	5400	52.3

Analyte	Method	Sample Date	G Lact NE 15'	G Lact SE 15'
			mg/Kg	mg/Kg
Benzene	S 8021B	05/22/06	<0.005	<0.005
Toluene	S 8021B	05/22/06	<0.005	<0.005
Ethylbenzene	S 8021B	05/22/06	<0.005	<0.005
Total Xylenes	S 8021B	05/22/06	<0.015	<0.015
Chloride	4500-Cl⁻B	05/22/06	176	192
GRO	SW-846 8015 M	05/22/06	<10.0	<10.0
DRO	SW-846 8015 M	05/22/06	1950	771

Analyte	Method	Sample Date	G Lact SB2 20 Currently SB1
			mg/Kg
Benzene	S 8021B	06/07/06	<0.005
Toluene	S 8021B	06/07/06	<0.005
Ethylbenzene	S 8021B	06/07/06	<0.005
Total Xylenes	S 8021B	06/07/06	<0.015
Chloride	4500-Cl⁻B	06/07/06	*16
GRO	SW-846 8015 M	06/07/06	<10.0
DRO	SW-846 8015 M	06/07/06	41.2

Table 1. Soil Laboratory Analytical Results Summary

* Note: Analysis perormed on a 1:4 w:v aqueous extract

Analyte	Method	Sample	SB3-5'	SB3-20'	MW-3-3'	MW-3-5'	MW-3-10'	MW-3-20'	MW-3-25'
		Date							
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	S 8021B	06/08/06	<0.002	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene	S 8021B	06/08/06	<0.002	*1.212	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene	S 8021B	06/08/06	<0.002	*0.574	<0.002	<0.002	<0.002	<0.002	<0.002
Total Xylenes	S 8021B	06/08/06	<0.006	*3.609	<0.006	<0.006	<0.006	<0.006	<0.006
Chloride	4500-Cl B	06/08/06	768	32	1520	448	304	16	16
GRO	SW-846 8015 M	06/08/06	<50.0	2500	<50.0	<50.0	<50.0	<50.0	<50.0
DRO	SW-846 8015 M	06/08/06	<50.0	13200	<50.0	<50.0	<50.0	<50.0	<50.0

Analyte	Method	Sample	MW-4-3' Currently SB4	MW-4-5' Currently SB4	MW-4-10' Currently SB4	MW-2-20'
		Date				
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	S 8021B	06/08/06	<0.002	<0.002	<0.002	<0.002
Toluene	S 8021B	06/08/06	<0.002	<0.002	<0.002	<0.002
Ethylbenzene	S 8021B	06/08/06	<0.002	<0.002	<0.002	<0.002
Total Xylenes	S 8021B	06/08/06	<0.006	<0.006	<0.006	<0.006
Chloride	4500-Cl B	06/08/06	576	960	480	16
GRO	SW-846 8015 M	06/08/06	<50.0	<50.0	<50.0	<50.0
DRO	SW-846 8015 M	06/08/06	<50.0	<50.0	<50.0	<50.0

***Results should be considered as estimates due to high pertoleum hydrocarbon background interference.**

Analyte	Method	Sample	1 14'	2 6'	3 4'	4 1'	5 1'	6 2'	7 1'
		Date							
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	S 8021B	06/21/06	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	S 8021B	06/21/06	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	S 8021B	06/21/06	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Xylenes	S 8021B	06/21/06	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Chloride	4500-Cl B	06/21/06	32	16	<16	<16	16	<16	16
GRO	SW-846 8015 M	06/21/06	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	SW-846 8015 M	06/21/06	14.5	<10.0	45.1	117	260	22.2	11.2

Analyte	Method	Sample	8 1'	9 1'	10 2'	11 2'
		Date				
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	S 8021B	06/21/06	<0.005	<0.005	<0.005	<0.005
Toluene	S 8021B	06/21/06	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	S 8021B	06/21/06	<0.005	<0.005	<0.005	<0.005
Total Xylenes	S 8021B	06/21/06	<0.015	<0.015	<0.015	<0.015
Chloride	4500-Cl B	06/21/06	<16	80	16	80
GRO	SW-846 8015 M	06/21/06	<10.0	<10.0	<10.0	<10.0
DRO	SW-846 8015 M	06/21/06	317	91.1	11.4	<10.0

Table 1. Soil Laboratory Analytical Results Summary

Analyte	Method	Sample Date	MW 4-22'	SB 5-25'	MW 5-25'	MW 6-22'
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	S 8021B	07/10/06	<0.005	<0.005	<0.005	<0.005
Toluene	S 8021B	07/10/06	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	S 8021B	07/10/06	<0.005	0.025	<0.005	<0.005
Total Xylenes	S 8021B	07/10/06	<0.015	0.346	<0.015	<0.015
Chloride	4500-Cl B	07/10/06	48	48	32	32
GRO	SW-846 8015 M	07/10/06	<10.0	201	<10.0	<10.0
DRO	SW-846 8015 M	07/10/06	<10.0	1140	<10.0	<10.0

Analyte	Method	Sample Date	Burn Pit Rim Spoils
			mg/Kg
Benzene	S 8021B	07/27/06	<0.005
Toluene	S 8021B	07/27/06	<0.005
Ethylbenzene	S 8021B	07/27/06	<0.005
Total Xylenes	S 8021B	07/27/06	<0.015
Chloride	4500-Cl B	07/27/06	*160
GRO	SW-846 8015 M	07/27/06	<10.0
DRO	SW-846 8015 M	07/27/06	<10.0

* Note: Analysis perormed on a 1:4 w:v aqueous extract

TABLE 2

Groundwater Laboratory Analytical Results Summary

Texaco State "G" Lact Unit Battery #22
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

October, 2006

Prepared by:
BBC International, Inc.

Table 2. Groundwater Laboratory Analytical Results Summary

		G Lact MW1	G Lact MW2	G Lact MW5	G Lact MW4	G Lact MW6	G Lact MW3
		8/23/06	8/23/06	8/24/06	8/24/06	8/24/06	12/7/06
Analyte	Method	Sample : 0608511-01	Sample : 0608511-02	Sample : 0608511-03	Sample : 0608511-04	Sample : 0608511-05	Sample : 0612163-01
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Total Mercury	SW7470	ND	ND	ND	ND	ND	ND
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Aluminum	SW6020	ND	ND	ND	ND	ND	ND
Arsenic	SW6020	0.00509	0.00636	ND	0.00551	0.00956	0.03100
Barium	SW6020	1.101	0.155	0.0732	0.110	0.0522	0.234
Boron	SW6020	0.220	0.029	0.158	0.152	0.270	0.379
Cadmium	SW6020	ND	ND	ND	ND	ND	ND
Chromium	SW6020	ND	ND	ND	ND	ND	ND
Cobalt	SW6020	ND	ND	ND	ND	ND	ND
Copper	SW6020	ND	ND	ND	ND	0.0161	ND
Iron	SW6020	ND	ND	ND	ND	ND	0.767
Lead	SW6020	ND	ND	ND	ND	ND	ND
Manganese	SW6020	0.00779	ND	ND	1.57	ND	2.18
Molybdenum	SW6020	ND	ND	ND	0.00668	ND	0.0149
Nickel	SW6020	ND	ND	ND	ND	ND	0.00856
Selenium	SW6020	ND	ND	ND	ND	ND	ND
Silver	SW6020	ND	ND	ND	ND	ND	ND
Uranium	SW6020	0.00532	ND	0.00596	0.00797	0.00775	
Zinc	SW6020	0.00818	0.00898	0.00836	0.00540	0.00600	ND

		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,2,4,5-Tetrachlorobenzene	SW8270	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	SW8270	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	SW8270	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	SW8270	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	SW8270	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	SW8270	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	SW8270	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	SW8270	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	SW8270	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	SW8270	ND	ND	ND	ND	ND	ND
2,6-Dichlorophenol	SW8270	ND	ND	ND	ND	ND	ND
2-Chlorophenol	SW8270	ND	ND	ND	ND	ND	ND
2-Methylnaphtalene	SW8270	ND	ND	ND	ND	ND	ND
2-Methylphenol	SW8270	ND	ND	ND	ND	ND	ND
2-Nitrophenol	SW8270	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	SW8270	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	SW8270	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	SW8270	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	SW8270	ND	ND	ND	ND	ND	ND
4-Nitrophenol	SW8270	ND	ND	ND	ND	ND	ND
Acenaphthene	SW8270	ND	ND	ND	ND	ND	ND
Acenaphthylene	SW8270	ND	ND	ND	ND	ND	ND
Anthracene	SW8270	ND	ND	ND	ND	ND	ND
Benz(a)anthracene	SW8270	ND	ND	ND	ND	ND	ND

ND = Not Detected.

Table 2. Groundwater Laboratory Analytical Results Summary

		G Lact MW1	G Lact MW2	G Lact MW5	G Lact MW4	G Lact MW6	G Lact MW3
		8/23/06	8/23/06	8/24/06	8/24/06	8/24/06	12/7/06
Analyte	Method	Sample : 0608511-01	Sample : 0608511-02	Sample : 0608511-03	Sample : 0608511-04	Sample : 0608511-05	Sample : 0612163-01
Benzidine	SW8270	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	SW8270	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	SW8270	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	SW8270	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	SW8270	ND	ND	ND	ND	ND	ND
Bis(2-chloroethy)ether	SW8270	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	SW8270	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	SW8270	ND	ND	ND	ND	ND	ND
Chrysene	SW8270	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	SW8270	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	SW8270	ND	ND	ND	ND	ND	ND
Diethyl phthalate	SW8270	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	SW8270	ND	ND	ND	ND	ND	ND
Fluoranthene	SW8270	ND	ND	ND	ND	ND	ND
Fluorene	SW8270	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	SW8270	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	SW8270	ND	ND	ND	ND	ND	ND
Hexachloroethane	SW8270	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	SW8270	ND	ND	ND	ND	ND	ND
Isophorone	SW8270	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-butylamine	SW8270	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	SW8270	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	SW8270	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	SW8270	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	SW8270	ND	ND	ND	ND	ND	ND
Naphthalene	SW8270	ND	ND	ND	ND	ND	ND
Nitrobenzene	SW8270	ND	ND	ND	ND	ND	ND
Pentachlorobenzene	SW8270	ND	ND	ND	ND	ND	ND
Pentachlorophenol	SW8270	ND	ND	ND	ND	ND	ND
Phenanthrene	SW8270	ND	ND	ND	ND	ND	ND
Pyrene	SW8270	ND	ND	ND	ND	ND	ND
		µg/L	µg/L	µg/L	µg/L	µg/L	
1,1,1-Trichloroethane	SW8260	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	SW8260	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	SW8260	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	SW8260	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	SW8260	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	SW8260	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	SW8260	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	SW8260	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	SW8260	ND	ND	ND	ND	ND	ND
Acrolein	SW8260	ND	ND	ND	ND	ND	ND
Acrylonitrile	SW8260	ND	ND	ND	ND	ND	ND
Benzene	SW8260	ND	ND	ND	ND	ND	ND
Bromodichloromethane	SW8260	ND	ND	ND	ND	ND	ND
Bromomethane	SW8260	ND	ND	ND	ND	ND	ND

ND = Not Detected.

Table 2. Groundwater Laboratory Analytical Results Summary

		G Lact MW1	G Lact MW2	G Lact MW5	G Lact MW4	G Lact MW6	G Lact MW3
		8/23/06	8/23/06	8/24/06	8/24/06	8/24/06	12/7/06
Analyte	Method	Sample : 0608511-01	Sample : 0608511-02	Sample : 0608511-03	Sample : 0608511-04	Sample : 0608511-05	Sample : 0612163-01
Carbon tetrachloride	SW8260	ND	ND	ND	ND	ND	ND
Chlorobenzene	SW8260	ND	ND	ND	ND	ND	ND
Chloroform	SW8260	ND	ND	ND	ND	ND	ND
Chloromethane	SW8260	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	SW8260	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	SW8260	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	SW8260	ND	ND	ND	ND	ND	ND
Ethylbenzene	SW8260	ND	ND	ND	ND	ND	ND
m,p-Xylene	SW8260	ND	ND	ND	ND	ND	ND
Methylene chloride	SW8260	ND	ND	ND	ND	ND	ND
o-Xylene	SW8260	ND	ND	ND	ND	ND	ND
Tetrachloroethene	SW8260	ND	ND	ND	ND	ND	ND
Toluene	SW8260	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	SW8260	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	SW8260	ND	ND	ND	ND	ND	ND
Trichloroethene	SW8260	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	SW8260	ND	ND	ND	ND	ND	ND
Vinyl chloride	SW8260	ND	ND	ND	ND	ND	ND
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Chloride	E300	116	11.6	170	99.8	389	109
Fluoride	E300	0.709	0.827	0.793	1.16	2.18	2.13
Sulfate	E300	95.6	13.1	97.0	62.9	489	17.4
Nitrate-Nitrite (as N)	E300	1.22	2.46	4.08	ND	7.49	1.02
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cyanide	E335.3	ND	ND	ND	ND	ND	ND
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Nitrogen, Nitrite	E354.1	ND	ND	ND	ND	0.438	ND
		pH units	pH units	pH units	pH units	pH units	pH units
pH	E150.1	6.65	7.03	6.81	6.82	7.02	6.96
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Total Dissolved Solids	E160.1	740	259	794	646	1690	526

ND = Not Detected.

TABLE 3

LNAPL and Groundwater Elevation

Texaco State "G" Lact Unit Battery #22
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

October, 2006

Prepared by:
BBC International, Inc.

Table 3. LNAPL and Groundwater Elevation

MONITORING WELL	TOP OF CASING	DATE	DEPTH TO GROUNDWATER	DEPTH TO LNAPL	LNAPL THICKNESS	CORRECTED GROUNDWATER
MW-1	3656.47	8/23/2006	20.68	ND	0.00	3635.79
MW-2	3654.85	8/23/2006	18.22	ND	0.00	3636.63
MW-3	3656.43	8/23/2006	20.22	19.76	0.34	3636.55
MW-4	3659.16	8/23/2006	23.83	ND	0.00	3635.33
MW-5	3662.34	8/23/2006	27.64	ND	0.00	3634.70
MW-6	3655.85	8/23/2006	19.25	ND	0.00	3636.60

APPENDIX I

Soil Laboratory Analytical Results

Texaco State "G" Lact Unit Battery #22
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

October, 2006

Prepared by:
BBC International, Inc.

CARDINAL LABORATORIES

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603
PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 05/05/06
Reporting Date: 05/10/06
Project Number: MONUM 06ES001
Project Name: TEXACO STATE G LACT UNIT BATTERY 22
Project Location: MONUMENT, NM

Sampling Date: 05/05/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		05/09/06	05/09/06	05/08/06
H11093-1	SOUTH EAST 2'	<10.0	<10.0	<8
H11093-2	CENTER EAST 3'	<10.0	<10.0	48
Quality Control		807	737	500
True Value QC		800	800	500
% Recovery		101	92.1	100
Relative Percent Difference		2.9	4.1	4.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

5/10/06
Date

H11093A

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 05/05/06
Reporting Date: 05/10/06
Project Number: MONUM 06ES001
Project Name: TEXACO STATE G LACT UNIT BATTERY 22
Project Location: MONUMENT, NM

Sampling Date: 05/05/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		05/09/06	05/09/06	05/09/06	05/09/06
H11093-1	SOUTH EAST 2'	<0.005	<0.005	<0.005	<0.015
H11093-2	CENTER EAST 3'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.095	0.092	0.092	0.277
True Value QC		0.100	0.100	0.100	0.300
% Recovery		95.0	92.4	92.0	92.3
Relative Percent Difference		0.6	0.5	1.6	6.1

METHOD: EPA SW-846 8260

Chemist

5/10/06
Date

H11093

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Company Name: BBC International, Inc	BILL TO
Project Manager: Cliff Brunson	P.O. #: 45-157156
Address: 1324 W. Marland	Company: Amerada Hess
City: Hobbs State: NM Zip: 88240	Attn: Randy Barnes
Phone #: 505-397-6388 Fax #: 505-397-0397	Address:
Project #: MONUM 06ES001 Project Owner: AmeradaHess	City: Seminole
Project Name: Texaco State G East Unit Battery 22	State: TX Zip:
Project Location: Monument	Phone #:
Sampler Name: Amy Ruth	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH 8015 MOD	BTEX
H11093-1	South East 2'	G	1			✓					✓		5/5/06	11:00am	✓	✓	✓
-2	Center East 3'	G	1			✓					✓		5/5/06	11:15am	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 1.5% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 5/5/06	Received By: (Lab Staff)	REMARKS:
	Time: 2:15 pm		
Delivered By: (Circle One)	Sample Condition: Cool ☒ Yes ☐ No; Intact ☒ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:			

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88240
FAX TO: (505) 397-0397

Receiving Date: 05/12/06
Reporting Date: 05/16/06
Project Owner: AMERADA HESS
Project Name: TEXACO STATE G LACT BATTERY 22
Project Location: MONUMENT, NM

Sampling Date: 05/11/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		05/12/06	05/12/06	05/12/06
H11110-1	G LACT PILE	51.3	379	16
H11110-2	G LACT NE PIT 12'	73.6	5400	192
H11110-3	G LACT W PIT 15'	<10.0	52.3	32
Quality Control		784	773	510
True Value QC		800	800	500
% Recovery		98.0	96.6	102
Relative Percent Difference		3.1	0.4	1.8

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl^-: Std. Methods 4500-ClB
*Analyses performed on 1:4 w:v aqueous extracts.

Larry L. Bailey

5/16/06
Date

H11110A

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88240
FAX TO: (505) 397-0397

Receiving Date: 05/12/06
Reporting Date: 05/16/06
Project Owner: AMERADA HESS
Project Name: TEXACO STATE G LACT BATTERY 22
Project Location: MONUMENT, NM

Sampling Date: 05/11/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		05/12/06	05/12/06	05/12/06	05/12/06
H11110-1	G LACT PILE	<0.005	<0.005	0.010	0.076
H11110-2	G LACT NE PIT 12'	<0.005	<0.005	0.018	0.089
H11110-3	G LACT W PIT 15'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.094	0.101	0.098	0.307
True Value QC		0.100	0.100	0.100	0.300
% Recovery		93.4	101	97.9	102.0
Relative Percent Difference		0.2	7.9	7.2	7.8

METHOD: EPA SW-846 8260

Larry L. Bailey

5/16/06
Date

H11110B

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Company Name: BBC International, Inc.	BILL TO
Project Manager: Cliff Brunson	P.O. #: 45-157156
Address: 1324 W. Marland	Company: AmeradaHess
City: Hobbs State: NM Zip: 88240	Attn: Randy Barnes
Phone #: 505-397-6388 Fax #: 505-397-0397	Address:
Project #: MONUM 06ES001 Project Owner: AmeradaHess	City: Seminole
Project Name: Texaco State G Lact Battery 22	State: TX Zip:
Project Location: Monument	Phone #:
Sampler Name: Amy Ruth	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH 8015 Mod	BTEX
H11010-1	G Lact Pile	G	1			X					X		5/10/06	4:00 pm	X	X	X
-2	G Lact NE Pit 12'	G	1			X					X		5/10/06	4:15 pm	X	X	X
-3	G Lact W Pit 15'	G	1			X					X		5/11/06	4:22 pm	X	X	X

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 5-11-06	Received By: (Lab Staff)	REMARKS:
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition: Cool ☒ Yes ☐ No; Intact ☒ Yes ☐ No	CHECKED BY: (Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 05/23/06
Reporting Date: 05/24/06
Project Owner: AMERADA HESS
Project Name: TEXACO STATE G LACT UNIT
Project Location: MONUMENT, NM

Sampling Date: 05/22/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: LB
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		05/23/06	05/23/06	05/24/06
H11147-1	G LACT NE 15'	<10.0	1950	176
H11147-2	G LACT SE 15'	<10.0	771	192
Quality Control		778	763	480
True Value QC		800	800	500
% Recovery		97.3	95.4	96.0
Relative Percent Difference		3.5	7.5	3.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-Cl B
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

5/24/06
Date

H11147A

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 05/23/06
Reporting Date: 05/24/06
Project Owner: AMERADA HESS
Project Name: TEXACO STATE G LACT UNIT
Project Location: MONUMENT, NM

Sampling Date: 05/22/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: LB
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		05/24/06	05/24/06	05/24/06	05/24/06
H11147-1	G LACT NE 15'	<0.005	<0.005	<0.005	<0.015
H11147-2	G LACT SE 15'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.092	0.101	0.090	0.273
True Value QC		0.100	0.100	0.100	0.300
% Recovery		92.1	101	90.3	91.1
Relative Percent Difference		2.3	7.6	1.0	1.2

METHOD: EPA SW-846 8260

Burgess J. A. Cooke
Chemist

5/24/06
Date

H11148

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Company Name:	BBC International, Inc.
Project Manager:	Cliff Brunson
Address:	1324 W. Marland
City:	Hobbs State: NM Zip: 88240
Phone #:	505-397-6388 Fax #: 505-397-0397
Project #:	MONUM 06ES 001 Project Owner: AmeradaHess
Project Name:	Texaco State G Last Unit
Project Location:	Monument
Sampler Name:	Amy Ruth

BILL TO	
P.O. #:	45-157156
Company:	AmeradaHess
Attn:	Randy Barnes
Address:	
City:	Seminole
State:	TX Zip:
Phone #:	
Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV			SAMPLING		ANALYSIS REQUEST															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chlorides	TPH 8015 Mod	BTEX													
H11147-1	G Last NE 15'	G	1			✓					✓		5/22/06	1:52 pm	✓	✓	✓													
-2	G Last SE 15'	G	1			✓					✓		5/22/06	2:01 pm	✓	✓	✓													

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	
	Time:		
Relinquished By:	Date: 5/23/06	Received By: (Lab Staff)	
	Time: 1215 pm		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603
PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 06/06/06
Reporting Date: 06/07/06
Project Owner: HESS CORPORATION
Project Name: TEXACO STATE G LACT BATT. 22
Project Location: MONUMENT, NM

Analysis Date: 06/07/06
Sampling Date: 06/06/06
Sample Type: SOIL, GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl^- (PPM)
H11195-1	G LACT SB2 20	*16
H11195-2	SB1 WATER	84
Quality Control		970
True Value QC		1000
% Recovery		97
Relative Percent Difference		1.0

METHOD: Standard Methods	4500-Cl^-B

*NOTE: Analysis performed on a 1:4 w:v aqueous extract.

Chemist

06-07-06
Date

H11195

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 06/06/06
Reporting Date: 06/07/06
Project Owner: HESS CORPORATION
Project Name: TEXACO STATE G LACT BATT. 22
Project Location: MONUMENT, NM

Sampling Date: 06/06/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		06/06/06	06/06/06	06/06/06	06/06/06	06/06/06	06/06/06
H11195-1	G LACT SB2 20	<10.0	41.2	<0.005	<0.005	<0.005	<0.015
Quality Control		778	763	0.102	0.102	0.099	0.304
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		97.3	95.4	102	102	98.9	101
Relative Percent Difference		3.5	7.5	1.8	1.7	1.1	1.2

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

6/7/06
Date

H11195A

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Company Name:	BBC Int'l	BILL TO PO #:	
Project Manager:	C.H. Brunson	Company:	Hess Corp
Address:	1324 W Marland	Attn:	Randy Barnes
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:	505-397-6388	City:	Seminole
Fax #:	505-397-0397	State: TX Zip:	
Project #:	Project Owner: Hess Corporation	Phone #:	
Project Name:	Texaco State G Lact Batt 22	Fax #:	
Project Location:	Monument		

ANALYSIS REQUEST

FOR LAB USE ONLY				MATRIX						PRES.			SAMPLING		Chloride	BTEX	TPH									
LAB I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID:	ICE / COOL	OTHER:	DATE	TIME												
H11195-1	G Lact SB2 20	G	1			✓					✓		6/6/06	1506	✓	✓	✓									
-2	SB1 Water	G	1	✓			✓				✓		6/6/06	1400	✓											

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result ☐ Yes ☐ No Additional Fax #:
	Time:		Fax Result: ☐ Yes ☐ No
Relinquished By:	Date: 6/6/06	Received By: (Lab Staff)	REMARKS:
	Time: 515 pm		
Delivered By: (Circle One)	Sample Condition: Cool ☒ Yes ☐ No; Intact ☒ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:			

† Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.

CARDINAL LABORATORIES

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603
PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 06/09/06
Reporting Date: 06/15/06
Project Owner: NOT GIVEN
Project Name: TEXACO STATE G LACT UNIT BTRY 22
Project Location: MONUMENT, NM

Analysis Date: 06/12/06
Sampling Date: 06/08/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: AB

LAB NO.	SAMPLE ID	Cl^- (mg/kg)
H11210-1	SB3-5'	768
H11210-2	SB3-20'	32
H11210-3	MW-3-3'	1520
H11210-4	MW-3-5'	448
H11210-5	MW-3-10'	304
H11210-6	MW-3-20'	16
H11210-7	MW-3-25'	16
H11210-8	MW-4-3'	576
H11210-9	MW-4-5'	960
H11210-10	MW-4-10'	480
H11210-11	MW-2-20'	16
Quality Control		990
True Value QC		1000
% Recovery		99
Relative Percent Difference		0.0
METHOD: Standard Methods		4500-ClB

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

06-15-06
Date

H11210

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL
ATTN: CLIFF BRUNSON
1324 WEST MARLAND
HOBBS, NM 88240
FAX TO: 505-397-0397

Receiving Date: 6/9/06
Project Owner: NONE GIVEN
Project Number: NONE GIVEN
Project Name: TEXACO STATE G LACT UNIT BTRY 22
Project Location: MONUMENT NM
Reporting Date: 6/15/06

Sampling Dates: 6/8/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: JC

LAB ID	SAMPLE ID	GRO C_6-C_{12} (mg/kg)	DRO $>C_{12}$-C_{28} (mg/kg)		BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
H11210-1	SB 3 - 5'	<50.0	<50.0		<0.002	<0.002	<0.002	<0.006
H11210-2	SB 3 - 20'	2500	13200		<0.010	*1.212	*0.574	*3.609
H11210-3	MW - 3 - 3'	<50.0	<50.0		<0.002	<0.002	<0.002	<0.006
H11210-4	MW - 3 - 5'	<50.0	<50.0		<0.002	<0.002	<0.002	<0.006
H11210-5	MW - 3 - 10'	<50.0	<50.0		<0.002	<0.002	<0.002	<0.006
H11210-6	MW - 3 - 20'	<50.0	<50.0		<0.002	<0.002	<0.002	<0.006
H11210-7	MW - 3 - 25'	<50.0	<50.0		<0.002	<0.002	<0.002	<0.006
H11210-8	MW - 4 - 3'	<50.0	<50.0		<0.002	<0.002	<0.002	<0.006
H11210-9	MW - 4 - 5'	<50.0	<50.0		<0.002	<0.002	<0.002	<0.006
H11210-10	MW - 4 - 10'	<50.0	<50.0	GRO/DRO	<0.002	<0.002	<0.002	<0.006
H11210-11	MW - 2 - 20'	<50.0	<50.0	(mg/kg)	<0.002	<0.002	<0.002	<0.006
Extraction Date:		06/14/06	06/14/06	06/14/06	06/13/06	06/13/06	06/13/06	06/13/06
Analysis Date:		06/14/06	06/14/06	06/14/06	06/13/06	06/13/06	06/13/06	06/13/06
Method Blank		<50.00	<50.00	<50.00	<0.002	<0.002	<0.002	<0.006
LCS					0.102	0.105	0.106	0.312
True Value LCS					0.100	0.100	0.100	0.300
LCS % Recovery					102%	105%	106%	104%
Matrix Spike (MS)				364				
Matrix Spike Dup (MSD)				345				
True Value Matrix Spike				400				
MS % Recovery				90.9%				
MSD % Recovery				86.4%				
Matrix Spike RPD				5.2%	9.8%	11.9%	11.9%	12.6%

FLAGS: *Results should be considered as estimates due to high petroleum hydrocarbon background interference.

Methods: TPH 8015 M; BTEX-MTBE SW-846 8021B, 5030B

Chemist

06/15/06
Date

H11210BTEX-TPHSOIL[1].xls

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International	**BILL TO**	
Project Manager:	Cliff Brunson	P.O. #:	
Address:	1324 W. Marland	Company:	Key Corp
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	397-6388 Fax #: 397-0397	Address:	
Project #:	Project Owner:	City:	
Project Name:	Texaco State G Lse + Unit Bty 22	State: Zip:	
Project Location:	Monument NM	Phone #:	
Sampler Name:	Amy Ruth	Fax #:	

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX	Chlorides	8015 GRO/GRO TPH												
H11210-1	SB 3 - 5'	C	1			✓					✓		6-8-06	8:58	✓	✓	✓												
-2	SB 3 - 20'	"	1			✓					✓		6-8-06	9:57	✓	✓	✓												
-3	MW-3 - 31'	"	1			✓					✓		6-8-06	11:32	✓	✓	✓												
-4	MW-3 - 5'	"	1			✓					✓		6-8-06	11:40	✓	✓	✓												
-5	MW-3 - 10'	"	1			✓					✓		6-8-06	11:47	✓	✓	✓												
-6	MW-3 - 20'	"	1			✓					✓		6-8-06	12:08	✓	✓	✓												
-7	MW-3 - 25'	"	1			✓					✓		6-8-06	12:35	✓	✓	✓												
-8	MW-4 - 3'	"	1			✓					✓		6-8-06	14:26	✓	✓	✓												
-9	MW-4 - 5'	"	1			✓					✓		6-8-06	14:29	✓	✓	✓												
-10	MW-4 - 10'	"	1			✓					✓		6-8-06	14:39	✓	✓	✓												

Sampler Relinquished:	Date: 6-9-06 Time: 3:30 pm	Received By:	Phone Result: ☐ Yes ☐ No	Add'l Phone #:	
Amy Ruth		Jennifer Gilley	Fax Result: ☐ Yes ☐ No	Add'l Fax #:	
Relinquished By:	Date: 6-9-06 Time: 5:05	Received By: (Lab Staff)	REMARKS:		
Jennifer Gilley		Angela S. Monroe			
Delivered By: (Circle One)	Sample Condition Cool: Yes ☑ Intact: Yes	CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other:	☐ No ☐ No				

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International	**BILL TO**
Project Manager: Cliff Brunson	P.O. #:
Address: 1324 W Marland	Company: Hess Corp
City: Hobbs State: NM Zip: 88240	Attn:
Phone #: 397-6388 Fax #: 397-0397	Address:
Project #: Project Owner:	City:
Project Name: Texaco State B Lease Unit Btry 22	State: Zip:
Project Location: Monument, NM	Phone #:
Sampler Name: Amy Ruth	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	Chlorides	8015 DRO/GRO TPH
H112 10-11	MW-2 - 20'	G	1			✓					✓		6-8-06	17:45	✓	✓	✓

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: Amy Ruth	Date: 6-9-06	Received By: Jennifer Cackley	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By: Jennifer Cackley	Time: 3:30pm	Received By: (Lab Staff) Lyn S. Hanna	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Date: 06-09-06 Time: 5:05	Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No	CHECKED BY: (Initials)

REMARKS:

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CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 06/21/06
Reporting Date: 06/27/06
Project Owner: HESS CORPORATION
Project Name: TEXACO STATE G LACT BATTERY 22
Project Location: MONUMENT, NM

Sampling Date: 06/21/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		06/24/06	06/24/06	06/23/06
H11258-1	1 14'	<10.0	14.5	32
H11258-2	2 6'	<10.0	<10.0	16
H11258-3	3 4'	<10.0	45.1	<16
H11258-4	4 1'	<10.0	117	<16
H11258-5	5 1'	<10.0	260	16
H11258-6	6 2'	<10.0	22.2	<16
H11258-7	7 1'	<10.0	11.2	16
H11258-8	8 1'	<10.0	317	<16
H11258-9	9 1'	<10.0	91.1	80
H11258-10	10 2'	<10.0	11.4	16
H11258-11	11 2'	<10.0	<10.0	80
Quality Control		738	748	970
True Value QC		800	800	1000
% Recovery		92.3	93.0	97.0
Relative Percent Difference		4.2	1.5	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl^-: Std. Methods 4500-Cl^-B
*Analyses performed on 1:4 w:v aqueous extracts.

Burgett A. Cook
Chemist

6/27/06
Date

H11258A

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 06/21/06
Reporting Date: 06/27/06
Project Owner: HESS CORPORATION
Project Name: TEXACO STATE G LACT BATTERY 22
Project Location: MONUMENT, NM

Sampling Date: 06/21/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		06/23/06	06/23/06	06/23/06	06/23/06
H11258-1	1 14'	<0.005	<0.005	<0.005	<0.015
H11258-2	2 6'	<0.005	<0.005	<0.005	<0.015
H11258-3	3 4'	<0.005	<0.005	<0.005	<0.015
H11258-4	4 1'	<0.005	<0.005	<0.005	<0.015
H11258-5	5 1'	<0.005	<0.005	<0.005	<0.015
H11258-6	6 2'	<0.005	<0.005	<0.005	<0.015
H11258-7	7 1'	<0.005	<0.005	<0.005	<0.015
H11258-8	8 1'	<0.005	<0.005	<0.005	<0.015
H11258-9	9 1'	<0.005	<0.005	<0.005	<0.015
H11258-10	10 2'	<0.005	<0.005	<0.005	<0.015
H11258-11	11 2'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.101	0.101	0.103	0.301
True Value QC		0.100	0.100	0.100	0.300
% Recovery		101	101	103	100
Relative Percent Difference		4.2	3.2	4.8	0.8

METHOD: EPA SW-846 8260

Chemist

6/27/06
Date

H11258

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International, Inc.	BILL TO	
Project Manager:	Cliff Brunson	P.O. #:	45-157156
Address:	1324 W. Marland	Company:	Hess Corp.
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	505-397-6388 Fax #: 505-397-0397	Address:	
Project #:	MONUM 06ES001 Project Owner: Hess Corp.	City:	Seminole
Project Name:	Texaco State G Lact Battery 22	State:	TX Zip:
Project Location:	Monument	Phone #:	
Sampler Name:	Amy Ruth	Fax #:	

FOR LAB USE ONLY					MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (GRO / DRO) 8015 M	BTEX
H11258-	1	14'	G	1			✓					✓		6/21/06	1009	✓	✓	✓
-2	2	4'	G	1			✓					✓		6/21/06	1014	✓	✓	✓
-3	3	4'	G	1			✓					✓		6/21/06	1021	✓	✓	✓
-4	4	1'	G	1			✓					✓		6/21/06	1024	✓	✓	✓
-5	5	1'	G	1			✓					✓		6/21/06	1027	✓	✓	✓
-6	6	2'	G	1			✓					✓		6/21/06	1030	✓	✓	✓
-7	7	1'	G	1			✓					✓		6/21/06	1032	✓	✓	✓
-8	8	1'	G	1			✓					✓		6/21/06	1035	✓	✓	✓
-9	9	1'	G	1			✓					✓		6/21/06	1038	✓	✓	✓
-10	10	2'	G	1			✓					✓		6/21/06	1041	✓	✓	✓

Sampler Relinquished:	Date:	Received By:	Phone Result: ☐ Yes ☐ No	Add'l Phone #:	
	Time:		Fax Result: ☐ Yes ☐ No	Add'l Fax #:	
Relinquished By: Amy Ruth	Date: 6/21/06 Time: 4:00	Received By: (Lab Staff)	REMARKS: Closing Samples		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool: ☒ Yes ☐ No Intact: ☒ Yes ☐ No	CHECKED BY: (Initials)			

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Company Name: BBC International, Inc.	BILL TO
Project Manager: Cliff Brunson	P.O. #: 45-157156
Address: 1324 W. Marland	Company: Hess Corp.
City: Hobbs State: NM Zip: 88240	Attn:
Phone #: 505-397-6388 Fax #: 505-397-0397	Address:
Project #: MONUM 06ES0001 Project Owner: Hess Corp.	City: Seminole
Project Name: Texaco State G Lact Battery 22	State: TX Zip:
Project Location: Monument	Phone #:
Sampler Name: Amy Ruth	Fax #:

FOR LAB USE ONLY		MATRIX								PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	TPH (GRO/DRO) 8015 M	BTEX
H11258-11	2'	G	1			✓					✓		6/21/06	1044	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 2% per month from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	
	Time:		
Relinquished By: Amy	Date: 6/21/06	Received By: (Lab Staff)	
	Time: 4:00		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact ☒ Yes ☒ Yes ☐ No ☐ No	CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: Closing samples

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 07/12/06
Reporting Date: 07/13/06
Project Number: MONUM 06ES001
Project Name: TEXACO STATE G LACT BATTERY 22
Project Location: MONUMENT, NM

Sampling Date: 07/10/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		07/12/06	07/12/06	07/12/06
H11336-1	MW 4-22'	<10.0	<10.0	48
H11336-2	SB 5-25'	201	1140	48
H11336-3	MW 5-25'	<10.0	<10.0	32
H11336-4	MW 6-22'	<10.0	<10.0	32
Quality Control		769	801	1000
True Value QC		800	800	1000
% Recovery		96.1	100	100
Relative Percent Difference		2.1	2.3	0.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

7/13/06
Date

H11336A

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 07/12/06
Reporting Date: 07/13/06
Project Number: MONUM 06ES001
Project Name: TEXACO STATE G LACT BATTERY 22
Project Location: MONUMENT, NM

Sampling Date: 07/10/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		07/12/06	07/12/06	07/12/06	07/12/06
H11336-1	MW 4-22'	<0.005	<0.005	<0.005	<0.015
H11336-2	SB 5-25'	<0.005	<0.005	0.025	0.346
H11336-3	MW 5-25'	<0.005	<0.005	<0.005	<0.015
H11336-4	MW 6-22'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.093	0.102	0.098	0.280
True Value QC		0.100	0.100	0.100	0.300
% Recovery		93.4	102	98.3	93.4
Relative Percent Difference		<0.1	7.7	4.5	0.5

METHOD: EPA SW-846 8260

Chemist

7/13/06
Date

CARDINAL LABORATORIES, INC.

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101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page ____ of ____

Company Name: BBC International, Inc.	**BILL TO**
Project Manager: Cliff Brunson	P.O. #: 45-157156
Address: 1324 W. Marland	Company: Hess Corp.
City: Hobbs State: NM Zip: 88240	Attn:
Phone #: 505-397-6388 Fax #: 505-397-0397	Address:
Project #: MONUM 06ES001 Project Owner: Hess Corp.	City: Seminole
Project Name: Texaco State G Lact Battery 22	State: TX Zip:
Project Location: Monument	Phone #:
Sampler Name: Amy Ruth	Fax #:

ANALYSIS REQUEST: Chloride; TPH (GRO/DRO) 8015M; BTEX

Lab I.D. (FOR LAB USE ONLY)	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chloride	TPH (GRO/DRO) 8015M	BTEX
H11336-1	MW 4 - 22'	✓				✓					✓		7-10-06	12:47	✓	✓	✓
-2	SB5 - 25'	✓				✓					✓		7-10-06	14:07	✓	✓	✓
-3	MW5 - 25'	✓				✓					✓		7-10-06	14:51	✓	✓	✓
-4	MW6 - 22'	✓				✓					✓		7-10-06	16:06	✓	✓	✓

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Sampler Relinquished: Amy Ruth	Date: 7-12-06 Time: 8:00	Received By: Jennifer Gilkey	Phone Result: ☐ Yes ☐ No Add'l Phone #:
			Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By: Jennifer Gilkey	Date: 7-12-06 Time: 8:05	Received By: (Lab Staff)	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No	CHECKED BY: (Initials)	

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CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 07/28/06
Reporting Date: 08/01/06
Project Number: MONUM 06ES001
Project Name: TEXACO STATE G LACT BATTERY 22
Project Location: MONUMENT, NM

Sampling Date: 07/27/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		07/31/06	07/31/06	07/28/06
H11393-1	BURN PIT RIM SPOILS	<10.0	<10.0	160
Quality Control		780	770	990
True Value QC		800	800	1000
% Recovery		97.5	96.2	99.0
Relative Percent Difference		0.9	7.2	1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl^-: Std. Methods 4500-Cl^-B
*Analysis performed on a 1:4 w:v aqueous extract.

Chemist

8/1/06
Date

H11393A

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 07/28/06
Reporting Date: 08/01/06
Project Number: MONUM 06ES001
Project Name: TEXACO STATE G LACT BATTERY 22
Project Location: MONUMENT, NM

Sampling Date: 07/27/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		07/31/06	07/31/06	07/31/06	07/31/06
H11393-1	BURN PIT RIM SPOILS	<0.005	<0.005	<0.005	<0.015
Quality Control		0.100	0.105	0.106	0.299
True Value QC		0.100	0.100	0.100	0.300
% Recovery		99.6	105	106	99.7
Relative Percent Difference		<0.1	6.7	7.8	2.0

METHOD: EPA SW-846 8260

Chemist

8/1/06
Date

H11393B

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page 1 of 1

Company Name: BBC International, Inc	BILL TO
Project Manager: Cliff Brunson	P.O. #: 45-157156
Address: 1324 W. Marland	Company: Hess Corp.
City: Hobbs State: NM Zip: 88240	Attn:
Phone #: 505-397-6388 Fax #: 505-397-0397	Address:
Project #: MONUM 065001 Project Owner: Hess Corp.	City: Seminole
Project Name: Texaco State G Lact Battery 22	State: TX Zip:
Project Location: Monument	Phone #:
Sampler Name: Amy Ruth	Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	TPH (GRO/DRO) 8015 M	BTEX
H113434	Burn Pit Rim Spoils	C	1			✓					✓		7/27/06	1425	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	
	Time:		
Relinquished By:	Date: 7/28/06	Received By: (Lab Staff)	
	Time: 915 am		
Delivered By: (Circle One)	Sample Condition: Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:			

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

APPENDIX II

Groundwater Laboratory Analytical Results

Texaco State "G" Lact Unit Battery #22
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

October, 2006

Prepared by:
BBC International, Inc.

QUALITY • INTEGRITY • SERVICE

e-Lab Analytical, Inc.

10450 Stancliff Rd, Suite 210 Houston, Texas 77099-4338 281-530-5656 Fax 281-530-5887

September 20, 2006

Cliff Brunson
BBC International
1324 West Marland Blvd
Hobbs, NM 88240

Tel: (505) 397-6388
Fax:

Re: Hess Texaco

Work Order : **0608511**

Dear Cliff Brunson,

e-Lab Analytical, Inc. received 9 samples on 8/26/2006 8:15:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by e-Lab Analytical, Inc. and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by e-Lab Analytical, Inc. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 66.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Jeffrey L Croston

Electronically approved by: Odette E Elliston

Jeffrey L Croston
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac

Certificate No: T104704231-06-TX

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Project: Hess Texaco
Work Order: **0608511**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
0608511-01	G Lact MW1	Water		8/23/2006 11:19	8/26/2006 08:15	☐
0608511-02	G Lact MW2	Water		8/23/2006 14:53	8/26/2006 08:15	☐
0608511-03	G Lact MW5	Water		8/24/2006 11:08	8/26/2006 08:15	☐
0608511-04	G Lact MW4	Water		8/24/2006 13:20	8/26/2006 08:15	☐
0608511-05	G Lact MW6	Water		8/24/2006 14:54	8/26/2006 08:15	☐
0608511-06	Duplicate	Water		8/24/2006	8/26/2006 08:15	☐
0608511-07	Equipment Rinse	Water		8/24/2006 15:45	8/26/2006 08:15	☐
0608511-08	Trip Blank 1	Water		8/24/2006 15:45	8/26/2006 08:15	☑
0608511-09	Trip Blank 2	Water		8/24/2006 15:45	8/26/2006 08:15	☑

e-Lab Analytical, Inc. **Date:** *September 20, 2006*

CLIENT: BBC International
Project: Hess Texaco
Work Order: 0608511

Case Narrative

pH samples were received outside of the recommended holding time.

Nitrite (samples G Lact MW1 and G Lact MW2) were received outside of the recommended holding time.

Batch 19613 Metals MS/MSD was an unrelated sample.

Batch R41162 Volatiles MS/MSD RPD was an unrelated sample.

Batch R41214 Volatiles (sample G Lact MW4) MS recoveries were below the control limits for Acrylonitrile (55.3%). Several RPD's were outside of control limits, but met the method criteria in the LCS.

Batch's R41322, and R41405 Anions MS/MSD were unrelated samples.

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-01

Client Sample ID: G Lact MW1
Collection Date: 8/23/2006 11:19:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			**SW7470**		Prep Date: **9/5/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	9/5/2006 6:59:40 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **9/1/2006**	Analyst: **SA**
Aluminum	ND		0.0100	mg/L	1	9/2/2006 1:22:00 AM
Arsenic	**0.00509**		**0.00500**	**mg/L**	1	9/2/2006 1:22:00 AM
Barium	**0.101**		**0.00500**	**mg/L**	1	9/2/2006 1:22:00 AM
Boron	**0.220**		**0.0200**	**mg/L**	1	9/2/2006 1:22:00 AM
Cadmium	ND		0.00200	mg/L	1	9/2/2006 1:22:00 AM
Chromium	ND		0.00500	mg/L	1	9/2/2006 1:22:00 AM
Cobalt	ND		0.00500	mg/L	1	9/2/2006 1:22:00 AM
Copper	ND		0.00500	mg/L	1	9/2/2006 1:22:00 AM
Iron	ND		0.200	mg/L	1	9/2/2006 1:22:00 AM
Lead	ND		0.00500	mg/L	1	9/2/2006 1:22:00 AM
Manganese	**0.00779**		**0.00500**	**mg/L**	1	9/2/2006 1:22:00 AM
Molybdenum	ND		0.00500	mg/L	1	9/2/2006 1:22:00 AM
Nickel	ND		0.00500	mg/L	1	9/2/2006 1:22:00 AM
Selenium	ND		0.00500	mg/L	1	9/2/2006 1:22:00 AM
Silver	ND		0.00500	mg/L	1	9/2/2006 1:22:00 AM
Uranium	**0.00532**		**0.00500**	**mg/L**	1	9/19/2006 7:50:00 PM
Zinc	**0.00818**		**0.00500**	**mg/L**	1	9/2/2006 1:22:00 AM
SEMIVOLATILE ORGANICS BY GC/MS			**SW8270**		Prep Date: **8/28/2006**	Analyst: **HV**
1,2,4,5-Tetrachlorobenzene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
1,2-Diphenylhydrazine	ND		10	µg/L	1	9/6/2006 1:43:00 PM
1-Methylnaphthalene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
2,3,4,6-Tetrachlorophenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
2,4,5-Trichlorophenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
2,4,6-Trichlorophenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
2,4-Dichlorophenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
2,4-Dimethylphenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
2,4-Dinitrophenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
2,4-Dinitrotoluene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
2,6-Dichlorophenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
2-Chlorophenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
2-Methylnaphthalene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
2-Methylphenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
2-Nitrophenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
3&4-Methylphenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
3,3'-Dichlorobenzidine	ND		10	µg/L	1	9/6/2006 1:43:00 PM
4,6-Dinitro-2-methylphenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-01

Client Sample ID: G Lact MW1
Collection Date: 8/23/2006 11:19:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
4-Chloro-3-methylphenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
4-Nitrophenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Acenaphthene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Acenaphthylene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Anthracene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Benz(a)anthracene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Benzidine	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Benzo(a)pyrene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Benzo(b)fluoranthene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Benzo(g,h,i)perylene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Benzo(k)fluoranthene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Bis(2-chloroethyl)ether	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Bis(2-chloroisopropyl)ether	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Bis(2-ethylhexyl)phthalate	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Chrysene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Di-n-butyl phthalate	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Dibenz(a,h)anthracene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Diethyl phthalate	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Dimethyl phthalate	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Fluoranthene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Fluorene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Hexachlorobenzene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Hexachlorocyclopentadiene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Hexachloroethane	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Indeno(1,2,3-cd)pyrene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Isophorone	ND		10	µg/L	1	9/6/2006 1:43:00 PM
N-Nitroso-di-n-butylamine	ND		10	µg/L	1	9/6/2006 1:43:00 PM
N-Nitrosodiethylamine	ND		10	µg/L	1	9/6/2006 1:43:00 PM
N-Nitrosodimethylamine	ND		10	µg/L	1	9/6/2006 1:43:00 PM
N-Nitrosodiphenylamine	ND		10	µg/L	1	9/6/2006 1:43:00 PM
N-Nitrosopyrrolidine	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Naphthalene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Nitrobenzene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Pentachlorobenzene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Pentachlorophenol	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Phenanthrene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
Pyrene	ND		10	µg/L	1	9/6/2006 1:43:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-01

Client Sample ID: G Lact MW1
Collection Date: 8/23/2006 11:19:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Acrolein	ND		20	µg/L	1	8/28/2006 9:41:00 PM
Acrylonitrile	ND		10	µg/L	1	8/28/2006 9:41:00 PM
Benzene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Bromomethane	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Chlorobenzene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Chloroform	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Chloromethane	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Ethylbenzene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
m,p-Xylene	ND		10	µg/L	1	8/28/2006 9:41:00 PM
Methylene chloride	ND		10	µg/L	1	8/28/2006 9:41:00 PM
o-Xylene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Toluene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Trichloroethene	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	8/28/2006 9:41:00 PM
Vinyl chloride	ND		2.0	µg/L	1	8/28/2006 9:41:00 PM
Surr: 1,2-Dichloroethane-d4	*108*		*70-125*	*%REC*	1	8/28/2006 9:41:00 PM
Surr: 4-Bromofluorobenzene	*108*		*72.4-125*	*%REC*	1	8/28/2006 9:41:00 PM
Surr: Dibromofluoromethane	*109*		*71.2-125*	*%REC*	1	8/28/2006 9:41:00 PM
Surr: Toluene-d8	*106*		*75-125*	*%REC*	1	8/28/2006 9:41:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **LMD**
Chloride	**116**		**5.00**	**mg/L**	10	9/3/2006 7:42:00 PM
Fluoride	**0.709**		**0.100**	**mg/L**	1	9/3/2006 2:12:00 AM
Sulfate	**95.6**		**10.0**	**mg/L**	10	9/3/2006 7:42:00 PM
Nitrate/Nitrite (as N)	**1.22**		**0.500**	**mg/L**	5	9/7/2006 10:03:00 AM
Surr: Selenate (surr)	*110*		*80-120*	*%REC*	10	9/3/2006 7:42:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-01

Client Sample ID: G Lact MW1
Collection Date: 8/23/2006 11:19:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*107*		*80-120*	*%REC*	1	9/3/2006 2:12:00 AM
Surr: Selenate (surr)	*116*		*80-120*	*%REC*	5	9/7/2006 10:03:00 AM
CYANIDE, TOTAL			**E335.3**			Analyst: **IGF**
Cyanide	ND		0.0200	mg/L	1	8/28/2006 4:30:00 PM
NITRITE			**E354.1**			Analyst: **RPM**
Nitrogen, Nitrite	ND	H	0.0100	mg/L	1	8/26/2006
PH			**E150.1**			Analyst: **RPM**
pH	**6.65**	H	**0.100**	**pH units**	1	8/26/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**740**		**10.0**	**mg/L**	1	8/29/2006

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-02

Client Sample ID: G Lact MW2
Collection Date: 8/23/2006 2:53:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			**SW7470**		Prep Date: **9/5/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	9/5/2006 7:01:28 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **9/1/2006**	Analyst: **SA**
Aluminum	ND		0.0100	mg/L	1	9/2/2006 1:29:00 AM
Arsenic	**0.00636**		**0.00500**	**mg/L**	1	9/2/2006 1:29:00 AM
Barium	**0.155**		**0.00500**	**mg/L**	1	9/2/2006 1:29:00 AM
Boron	**0.0290**		**0.0200**	**mg/L**	1	9/2/2006 1:29:00 AM
Cadmium	ND		0.00200	mg/L	1	9/2/2006 1:29:00 AM
Chromium	ND		0.00500	mg/L	1	9/2/2006 1:29:00 AM
Cobalt	ND		0.00500	mg/L	1	9/2/2006 1:29:00 AM
Copper	ND		0.00500	mg/L	1	9/2/2006 1:29:00 AM
Iron	ND		0.200	mg/L	1	9/2/2006 1:29:00 AM
Lead	ND		0.00500	mg/L	1	9/2/2006 1:29:00 AM
Manganese	ND		0.00500	mg/L	1	9/2/2006 1:29:00 AM
Molybdenum	ND		0.00500	mg/L	1	9/2/2006 1:29:00 AM
Nickel	ND		0.00500	mg/L	1	9/2/2006 1:29:00 AM
Selenium	ND		0.00500	mg/L	1	9/2/2006 1:29:00 AM
Silver	ND		0.00500	mg/L	1	9/2/2006 1:29:00 AM
Uranium	ND		0.00500	mg/L	1	9/19/2006 8:25:00 PM
Zinc	**0.00898**		**0.00500**	**mg/L**	1	9/2/2006 1:29:00 AM
SEMIVOLATILE ORGANICS BY GC/MS			**SW8270**		Prep Date: **8/28/2006**	Analyst: **HV**
1,2,4,5-Tetrachlorobenzene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
1,2-Diphenylhydrazine	ND		10	µg/L	1	9/6/2006 3:05:00 PM
1-Methylnaphthalene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
2,3,4,6-Tetrachlorophenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
2,4,5-Trichlorophenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
2,4,6-Trichlorophenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
2,4-Dichlorophenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
2,4-Dimethylphenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
2,4-Dinitrophenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
2,4-Dinitrotoluene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
2,6-Dichlorophenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
2-Chlorophenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
2-Methylnaphthalene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
2-Methylphenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
2-Nitrophenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
3&4-Methylphenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
3,3'-Dichlorobenzidine	ND		10	µg/L	1	9/6/2006 3:05:00 PM
4,6-Dinitro-2-methylphenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-02

Client Sample ID: G Lact MW2
Collection Date: 8/23/2006 2:53:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
4-Chloro-3-methylphenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
4-Nitrophenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Acenaphthene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Acenaphthylene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Anthracene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Benz(a)anthracene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Benzidine	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Benzo(a)pyrene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Benzo(b)fluoranthene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Benzo(g,h,i)perylene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Benzo(k)fluoranthene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Bis(2-chloroethyl)ether	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Bis(2-chloroisopropyl)ether	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Bis(2-ethylhexyl)phthalate	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Chrysene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Di-n-butyl phthalate	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Dibenz(a,h)anthracene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Diethyl phthalate	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Dimethyl phthalate	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Fluoranthene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Fluorene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Hexachlorobenzene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Hexachlorocyclopentadiene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Hexachloroethane	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Indeno(1,2,3-cd)pyrene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Isophorone	ND		10	µg/L	1	9/6/2006 3:05:00 PM
N-Nitroso-di-n-butylamine	ND		10	µg/L	1	9/6/2006 3:05:00 PM
N-Nitrosodiethylamine	ND		10	µg/L	1	9/6/2006 3:05:00 PM
N-Nitrosodimethylamine	ND		10	µg/L	1	9/6/2006 3:05:00 PM
N-Nitrosodiphenylamine	ND		10	µg/L	1	9/6/2006 3:05:00 PM
N-Nitrosopyrrolidine	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Naphthalene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Nitrobenzene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Pentachlorobenzene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Pentachlorophenol	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Phenanthrene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
Pyrene	ND		10	µg/L	1	9/6/2006 3:05:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-02

Client Sample ID: G Lact MW2
Collection Date: 8/23/2006 2:53:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Acrolein	ND		20	µg/L	1	8/28/2006 10:09:00 PM
Acrylonitrile	ND		10	µg/L	1	8/28/2006 10:09:00 PM
Benzene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Bromomethane	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Chlorobenzene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Chloroform	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Chloromethane	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Ethylbenzene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
m,p-Xylene	ND		10	µg/L	1	8/28/2006 10:09:00 PM
Methylene chloride	ND		10	µg/L	1	8/28/2006 10:09:00 PM
o-Xylene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Toluene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Trichloroethene	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	8/28/2006 10:09:00 PM
Vinyl chloride	ND		2.0	µg/L	1	8/28/2006 10:09:00 PM
Surr: 1,2-Dichloroethane-d4	*108*		*70-125*	*%REC*	1	8/28/2006 10:09:00 PM
Surr: 4-Bromofluorobenzene	*107*		*72.4-125*	*%REC*	1	8/28/2006 10:09:00 PM
Surr: Dibromofluoromethane	*108*		*71.2-125*	*%REC*	1	8/28/2006 10:09:00 PM
Surr: Toluene-d8	*106*		*75-125*	*%REC*	1	8/28/2006 10:09:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **LMD**
Chloride	**11.6**		**0.500**	**mg/L**	1	9/3/2006 2:34:00 AM
Fluoride	**0.827**		**0.100**	**mg/L**	1	9/3/2006 2:34:00 AM
Sulfate	**13.1**		**1.00**	**mg/L**	1	9/3/2006 2:34:00 AM
Nitrate/Nitrite (as N)	**2.46**		**0.500**	**mg/L**	5	9/7/2006 10:25:00 AM
Surr: Selenate (surr)	*108*		*80-120*	*%REC*	1	9/3/2006 2:34:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
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P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-02

Client Sample ID: G Lact MW2
Collection Date: 8/23/2006 2:53:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*115*		*80-120*	*%REC*	5	9/7/2006 10:25:00 AM
CYANIDE, TOTAL			**E335.3**			Analyst: **IGF**
Cyanide	ND		0.0200	mg/L	1	8/28/2006 4:30:00 PM
NITRITE			**E354.1**			Analyst: **RPM**
Nitrogen, Nitrite	ND	H	0.0100	mg/L	1	8/26/2006
PH			**E150.1**			Analyst: **RPM**
pH	**7.03**	H	**0.100**	**pH units**	1	8/26/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**259**		**10.0**	**mg/L**	1	8/29/2006

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P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-03

Client Sample ID: G Lact MW5
Collection Date: 8/24/2006 11:08:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			**SW7470**		Prep Date: **9/5/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	9/5/2006 7:03:16 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **9/1/2006**	Analyst: **SA**
Aluminum	ND		0.0100	mg/L	1	9/2/2006 1:35:00 AM
Arsenic	ND		0.00500	mg/L	1	9/2/2006 1:35:00 AM
Barium	**0.0732**		**0.00500**	**mg/L**	1	9/2/2006 1:35:00 AM
Boron	**0.158**		**0.0200**	**mg/L**	1	9/2/2006 1:35:00 AM
Cadmium	ND		0.00200	mg/L	1	9/2/2006 1:35:00 AM
Chromium	ND		0.00500	mg/L	1	9/2/2006 1:35:00 AM
Cobalt	ND		0.00500	mg/L	1	9/2/2006 1:35:00 AM
Copper	ND		0.00500	mg/L	1	9/2/2006 1:35:00 AM
Iron	ND		0.200	mg/L	1	9/2/2006 1:35:00 AM
Lead	ND		0.00500	mg/L	1	9/2/2006 1:35:00 AM
Manganese	ND		0.00500	mg/L	1	9/2/2006 1:35:00 AM
Molybdenum	ND		0.00500	mg/L	1	9/2/2006 1:35:00 AM
Nickel	ND		0.00500	mg/L	1	9/2/2006 1:35:00 AM
Selenium	ND		0.00500	mg/L	1	9/2/2006 1:35:00 AM
Silver	ND		0.00500	mg/L	1	9/2/2006 1:35:00 AM
Uranium	**0.00596**		**0.00500**	**mg/L**	1	9/19/2006 8:30:00 PM
Zinc	**0.00836**		**0.00500**	**mg/L**	1	9/2/2006 1:35:00 AM
SEMIVOLATILE ORGANICS BY GC/MS			**SW8270**		Prep Date: **8/28/2006**	Analyst: **HV**
1,2,4,5-Tetrachlorobenzene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
1,2-Diphenylhydrazine	ND		10	µg/L	1	9/6/2006 3:32:00 PM
1-Methylnaphthalene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
2,3,4,6-Tetrachlorophenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
2,4,5-Trichlorophenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
2,4,6-Trichlorophenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
2,4-Dichlorophenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
2,4-Dimethylphenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
2,4-Dinitrophenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
2,4-Dinitrotoluene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
2,6-Dichlorophenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
2-Chlorophenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
2-Methylnaphthalene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
2-Methylphenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
2-Nitrophenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
3&4-Methylphenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
3,3'-Dichlorobenzidine	ND		10	µg/L	1	9/6/2006 3:32:00 PM
4,6-Dinitro-2-methylphenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-03

Client Sample ID: G Lact MW5
Collection Date: 8/24/2006 11:08:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
4-Chloro-3-methylphenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
4-Nitrophenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Acenaphthene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Acenaphthylene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Anthracene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Benz(a)anthracene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Benzidine	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Benzo(a)pyrene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Benzo(b)fluoranthene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Benzo(g,h,i)perylene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Benzo(k)fluoranthene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Bis(2-chloroethyl)ether	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Bis(2-chloroisopropyl)ether	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Bis(2-ethylhexyl)phthalate	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Chrysene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Di-n-butyl phthalate	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Dibenz(a,h)anthracene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Diethyl phthalate	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Dimethyl phthalate	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Fluoranthene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Fluorene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Hexachlorobenzene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Hexachlorocyclopentadiene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Hexachloroethane	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Indeno(1,2,3-cd)pyrene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Isophorone	ND		10	µg/L	1	9/6/2006 3:32:00 PM
N-Nitroso-di-n-butylamine	ND		10	µg/L	1	9/6/2006 3:32:00 PM
N-Nitrosodiethylamine	ND		10	µg/L	1	9/6/2006 3:32:00 PM
N-Nitrosodimethylamine	ND		10	µg/L	1	9/6/2006 3:32:00 PM
N-Nitrosodiphenylamine	ND		10	µg/L	1	9/6/2006 3:32:00 PM
N-Nitrosopyrrolidine	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Naphthalene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Nitrobenzene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Pentachlorobenzene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Pentachlorophenol	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Phenanthrene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
Pyrene	ND		10	µg/L	1	9/6/2006 3:32:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-03

Client Sample ID: G Lact MW5
Collection Date: 8/24/2006 11:08:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Acrolein	ND		20	µg/L	1	8/30/2006 12:57:00 PM
Acrylonitrile	ND		10	µg/L	1	8/30/2006 12:57:00 PM
Benzene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Bromomethane	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Chlorobenzene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Chloroform	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Chloromethane	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Ethylbenzene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
m,p-Xylene	ND		10	µg/L	1	8/30/2006 12:57:00 PM
Methylene chloride	ND		10	µg/L	1	8/30/2006 12:57:00 PM
o-Xylene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Toluene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Trichloroethene	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	8/30/2006 12:57:00 PM
Vinyl chloride	ND		2.0	µg/L	1	8/30/2006 12:57:00 PM
Surr: 1,2-Dichloroethane-d4	*108*		*70-125*	*%REC*	1	8/30/2006 12:57:00 PM
Surr: 4-Bromofluorobenzene	*110*		*72.4-125*	*%REC*	1	8/30/2006 12:57:00 PM
Surr: Dibromofluoromethane	*107*		*71.2-125*	*%REC*	1	8/30/2006 12:57:00 PM
Surr: Toluene-d8	*103*		*75-125*	*%REC*	1	8/30/2006 12:57:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **LMD**
Chloride	**170**		**5.00**	**mg/L**	10	9/3/2006 8:26:00 PM
Fluoride	**0.793**		**0.100**	**mg/L**	1	9/3/2006 6:37:00 PM
Sulfate	**97.0**		**10.0**	**mg/L**	10	9/3/2006 8:26:00 PM
Nitrate/Nitrite (as N)	**4.08**		**0.500**	**mg/L**	5	9/7/2006 10:47:00 AM
Surr: Selenate (surr)	*108*		*80-120*	*%REC*	1	9/3/2006 6:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-03

Client Sample ID: G Lact MW5
Collection Date: 8/24/2006 11:08:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*108*		*80-120*	*%REC*	10	9/3/2006 8:26:00 PM
Surr: Selenate (surr)	*115*		*80-120*	*%REC*	5	9/7/2006 10:47:00 AM
CYANIDE, TOTAL			**E335.3**			Analyst: **IGF**
Cyanide	ND		0.0200	mg/L	1	8/28/2006 4:30:00 PM
NITRITE			**E354.1**			Analyst: **RPM**
Nitrogen, Nitrite	ND		0.0100	mg/L	1	8/26/2006
PH			**E150.1**			Analyst: **RPM**
pH	**6.81**	H	**0.100**	**pH units**	1	8/26/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**794**		**10.0**	**mg/L**	1	8/29/2006

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-04

Client Sample ID: G Lact MW4
Collection Date: 8/24/2006 1:20:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			**SW7470**		Prep Date: **9/5/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	9/5/2006 7:05:05 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **9/1/2006**	Analyst: **SA**
Aluminum	ND		0.0100	mg/L	1	9/2/2006 1:41:00 AM
Arsenic	**0.00551**		**0.00500**	**mg/L**	1	9/2/2006 1:41:00 AM
Barium	**0.110**		**0.00500**	**mg/L**	1	9/2/2006 1:41:00 AM
Boron	**0.152**		**0.0200**	**mg/L**	1	9/2/2006 1:41:00 AM
Cadmium	ND		0.00200	mg/L	1	9/2/2006 1:41:00 AM
Chromium	ND		0.00500	mg/L	1	9/2/2006 1:41:00 AM
Cobalt	ND		0.00500	mg/L	1	9/2/2006 1:41:00 AM
Copper	ND		0.00500	mg/L	1	9/2/2006 1:41:00 AM
Iron	ND		0.200	mg/L	1	9/2/2006 1:41:00 AM
Lead	ND		0.00500	mg/L	1	9/2/2006 1:41:00 AM
Manganese	**1.57**		**0.00500**	**mg/L**	1	9/2/2006 1:41:00 AM
Molybdenum	**0.00668**		**0.00500**	**mg/L**	1	9/2/2006 1:41:00 AM
Nickel	ND		0.00500	mg/L	1	9/2/2006 1:41:00 AM
Selenium	ND		0.00500	mg/L	1	9/2/2006 1:41:00 AM
Silver	ND		0.00500	mg/L	1	9/2/2006 1:41:00 AM
Uranium	**0.00797**		**0.00500**	**mg/L**	1	9/19/2006 10:03:00 PM
Zinc	**0.00540**		**0.00500**	**mg/L**	1	9/2/2006 1:41:00 AM
SEMIVOLATILE ORGANICS BY GC/MS			**SW8270**		Prep Date: **8/28/2006**	Analyst: **HV**
1,2,4,5-Tetrachlorobenzene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
1,2-Diphenylhydrazine	ND		10	µg/L	1	9/6/2006 8:33:00 PM
1-Methylnaphthalene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
2,3,4,6-Tetrachlorophenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
2,4,5-Trichlorophenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
2,4,6-Trichlorophenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
2,4-Dichlorophenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
2,4-Dimethylphenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
2,4-Dinitrophenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
2,4-Dinitrotoluene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
2,6-Dichlorophenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
2-Chlorophenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
2-Methylnaphthalene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
2-Methylphenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
2-Nitrophenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
3&4-Methylphenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
3,3'-Dichlorobenzidine	ND		10	µg/L	1	9/6/2006 8:33:00 PM
4,6-Dinitro-2-methylphenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM

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P - Dual Column results percent difference > 40%
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e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-04

Client Sample ID: G Lact MW4
Collection Date: 8/24/2006 1:20:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
4-Chloro-3-methylphenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
4-Nitrophenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Acenaphthene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Acenaphthylene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Anthracene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Benz(a)anthracene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Benzidine	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Benzo(a)pyrene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Benzo(b)fluoranthene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Benzo(g,h,i)perylene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Benzo(k)fluoranthene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Bis(2-chloroethyl)ether	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Bis(2-chloroisopropyl)ether	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Bis(2-ethylhexyl)phthalate	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Chrysene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Di-n-butyl phthalate	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Dibenz(a,h)anthracene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Diethyl phthalate	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Dimethyl phthalate	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Fluoranthene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Fluorene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Hexachlorobenzene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Hexachlorocyclopentadiene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Hexachloroethane	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Indeno(1,2,3-cd)pyrene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Isophorone	ND		10	µg/L	1	9/6/2006 8:33:00 PM
N-Nitroso-di-n-butylamine	ND		10	µg/L	1	9/6/2006 8:33:00 PM
N-Nitrosodiethylamine	ND		10	µg/L	1	9/6/2006 8:33:00 PM
N-Nitrosodimethylamine	ND		10	µg/L	1	9/6/2006 8:33:00 PM
N-Nitrosodiphenylamine	ND		10	µg/L	1	9/6/2006 8:33:00 PM
N-Nitrosopyrrolidine	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Naphthalene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Nitrobenzene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Pentachlorobenzene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Pentachlorophenol	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Phenanthrene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
Pyrene	ND		10	µg/L	1	9/6/2006 8:33:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM

Qualifiers:

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P - Dual Column results percent difference > 40%
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e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-04

Client Sample ID: G Lact MW4
Collection Date: 8/24/2006 1:20:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Acrolein	ND		20	µg/L	1	8/30/2006 1:26:00 PM
Acrylonitrile	ND		10	µg/L	1	8/30/2006 1:26:00 PM
Benzene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Bromomethane	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Chlorobenzene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Chloroform	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Chloromethane	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Ethylbenzene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
m,p-Xylene	ND		10	µg/L	1	8/30/2006 1:26:00 PM
Methylene chloride	ND		10	µg/L	1	8/30/2006 1:26:00 PM
o-Xylene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Toluene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Trichloroethene	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	8/30/2006 1:26:00 PM
Vinyl chloride	ND		2.0	µg/L	1	8/30/2006 1:26:00 PM
Surr: 1,2-Dichloroethane-d4	*115*		*70-125*	*%REC*	1	8/30/2006 1:26:00 PM
Surr: 4-Bromofluorobenzene	*106*		*72.4-125*	*%REC*	1	8/30/2006 1:26:00 PM
Surr: Dibromofluoromethane	*113*		*71.2-125*	*%REC*	1	8/30/2006 1:26:00 PM
Surr: Toluene-d8	*104*		*75-125*	*%REC*	1	8/30/2006 1:26:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **LMD**
Chloride	**99.8**		**5.00**	**mg/L**	10	9/3/2006 8:48:00 PM
Fluoride	**1.16**		**0.100**	**mg/L**	1	9/3/2006 6:58:00 PM
Sulfate	**62.9**		**10.0**	**mg/L**	10	9/3/2006 8:48:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	9/7/2006 11:09:00 AM
Surr: Selenate (surr)	*110*		*80-120*	*%REC*	1	9/3/2006 6:58:00 PM

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e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-04

Client Sample ID: G Lact MW4
Collection Date: 8/24/2006 1:20:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*109*		*80-120*	*%REC*	10	9/3/2006 8:48:00 PM
Surr: Selenate (surr)	*115*		*80-120*	*%REC*	5	9/7/2006 11:09:00 AM
CYANIDE, TOTAL			**E335.3**			Analyst: **IGF**
Cyanide	ND		0.0200	mg/L	1	8/28/2006 4:30:00 PM
NITRITE			**E354.1**			Analyst: **RPM**
Nitrogen, Nitrite	ND		0.0100	mg/L	1	8/26/2006
PH			**E150.1**			Analyst: **RPM**
pH	**6.82**	H	**0.100**	**pH units**	1	8/26/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**646**		**10.0**	**mg/L**	1	8/29/2006

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E - Value above quantitation range
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e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-05

Client Sample ID: G Lact MW6
Collection Date: 8/24/2006 2:54:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			**SW7470**		Prep Date: **9/5/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	9/5/2006 7:06:54 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **9/1/2006**	Analyst: **SA**
Aluminum	ND		0.0100	mg/L	1	9/2/2006 2:05:00 AM
Arsenic	**0.00956**		**0.00500**	**mg/L**	1	9/2/2006 2:05:00 AM
Barium	**0.0522**		**0.00500**	**mg/L**	1	9/2/2006 2:05:00 AM
Boron	**0.270**		**0.0200**	**mg/L**	1	9/2/2006 2:05:00 AM
Cadmium	ND		0.00200	mg/L	1	9/2/2006 2:05:00 AM
Chromium	ND		0.00500	mg/L	1	9/2/2006 2:05:00 AM
Cobalt	ND		0.00500	mg/L	1	9/2/2006 2:05:00 AM
Copper	**0.0161**		**0.00500**	**mg/L**	1	9/2/2006 2:05:00 AM
Iron	ND		0.200	mg/L	1	9/2/2006 2:05:00 AM
Lead	ND		0.00500	mg/L	1	9/2/2006 2:05:00 AM
Manganese	ND		0.00500	mg/L	1	9/2/2006 2:05:00 AM
Molybdenum	ND		0.00500	mg/L	1	9/2/2006 2:05:00 AM
Nickel	ND		0.00500	mg/L	1	9/2/2006 2:05:00 AM
Selenium	ND		0.00500	mg/L	1	9/2/2006 2:05:00 AM
Silver	ND		0.00500	mg/L	1	9/2/2006 2:05:00 AM
Uranium	**0.00775**		**0.00500**	**mg/L**	1	9/19/2006 10:09:00 PM
Zinc	**0.00600**		**0.00500**	**mg/L**	1	9/2/2006 2:05:00 AM
SEMIVOLATILE ORGANICS BY GC/MS			**SW8270**		Prep Date: **8/28/2006**	Analyst: **HV**
1,2,4,5-Tetrachlorobenzene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
1,2-Diphenylhydrazine	ND		10	µg/L	1	9/6/2006 9:00:00 PM
1-Methylnaphthalene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
2,3,4,6-Tetrachlorophenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
2,4,5-Trichlorophenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
2,4,6-Trichlorophenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
2,4-Dichlorophenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
2,4-Dimethylphenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
2,4-Dinitrophenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
2,4-Dinitrotoluene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
2,6-Dichlorophenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
2-Chlorophenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
2-Methylnaphthalene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
2-Methylphenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
2-Nitrophenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
3&4-Methylphenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
3,3'-Dichlorobenzidine	ND		10	µg/L	1	9/6/2006 9:00:00 PM
4,6-Dinitro-2-methylphenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
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e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-05

Client Sample ID: G Lact MW6
Collection Date: 8/24/2006 2:54:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
4-Chloro-3-methylphenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
4-Nitrophenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Acenaphthene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Acenaphthylene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Anthracene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Benz(a)anthracene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Benzidine	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Benzo(a)pyrene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Benzo(b)fluoranthene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Benzo(g,h,i)perylene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Benzo(k)fluoranthene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Bis(2-chloroethyl)ether	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Bis(2-chloroisopropyl)ether	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Bis(2-ethylhexyl)phthalate	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Chrysene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Di-n-butyl phthalate	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Dibenz(a,h)anthracene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Diethyl phthalate	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Dimethyl phthalate	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Fluoranthene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Fluorene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Hexachlorobenzene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Hexachlorocyclopentadiene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Hexachloroethane	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Indeno(1,2,3-cd)pyrene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Isophorone	ND		10	µg/L	1	9/6/2006 9:00:00 PM
N-Nitroso-di-n-butylamine	ND		10	µg/L	1	9/6/2006 9:00:00 PM
N-Nitrosodiethylamine	ND		10	µg/L	1	9/6/2006 9:00:00 PM
N-Nitrosodimethylamine	ND		10	µg/L	1	9/6/2006 9:00:00 PM
N-Nitrosodiphenylamine	ND		10	µg/L	1	9/6/2006 9:00:00 PM
N-Nitrosopyrrolidine	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Naphthalene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Nitrobenzene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Pentachlorobenzene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Pentachlorophenol	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Phenanthrene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
Pyrene	ND		10	µg/L	1	9/6/2006 9:00:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-05

Client Sample ID: G Lact MW6
Collection Date: 8/24/2006 2:54:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Acrolein	ND		20	µg/L	1	8/30/2006 1:55:00 PM
Acrylonitrile	ND		10	µg/L	1	8/30/2006 1:55:00 PM
Benzene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Bromomethane	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Chlorobenzene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Chloroform	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Chloromethane	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Ethylbenzene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
m,p-Xylene	ND		10	µg/L	1	8/30/2006 1:55:00 PM
Methylene chloride	ND		10	µg/L	1	8/30/2006 1:55:00 PM
o-Xylene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Toluene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Trichloroethene	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	8/30/2006 1:55:00 PM
Vinyl chloride	ND		2.0	µg/L	1	8/30/2006 1:55:00 PM
Surr: 1,2-Dichloroethane-d4	*112*		*70-125*	*%REC*	1	8/30/2006 1:55:00 PM
Surr: 4-Bromofluorobenzene	*105*		*72.4-125*	*%REC*	1	8/30/2006 1:55:00 PM
Surr: Dibromofluoromethane	*108*		*71.2-125*	*%REC*	1	8/30/2006 1:55:00 PM
Surr: Toluene-d8	*104*		*75-125*	*%REC*	1	8/30/2006 1:55:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **LMD**
Chloride	**389**		**10.0**	**mg/L**	20	9/3/2006 9:10:00 PM
Fluoride	**2.18**		**0.100**	**mg/L**	1	9/3/2006 7:20:00 PM
Sulfate	**489**		**20.0**	**mg/L**	20	9/3/2006 9:10:00 PM
Nitrate/Nitrite (as N)	**7.49**		**0.500**	**mg/L**	5	9/7/2006 11:30:00 AM
Surr: Selenate (surr)	*109*		*80-120*	*%REC*	1	9/3/2006 7:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-05

Client Sample ID: G Lact MW6
Collection Date: 8/24/2006 2:54:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*106*		*80-120*	*%REC*	20	9/3/2006 9:10:00 PM
Surr: Selenate (surr)	*114*		*80-120*	*%REC*	5	9/7/2006 11:30:00 AM
CYANIDE, TOTAL			**E335.3**			Analyst: **LMD**
Cyanide	ND		0.0200	mg/L	1	9/3/2006
NITRITE			**E354.1**			Analyst: **RPM**
Nitrogen, Nitrite	**0.438**		**0.0200**	**mg/L**	2	8/26/2006
PH			**E150.1**			Analyst: **RPM**
pH	**7.02**	H	**0.100**	**pH units**	1	8/26/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**1,690**		**10.0**	**mg/L**	1	8/29/2006

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-06

Client Sample ID: Duplicate
Collection Date: 8/24/2006
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			**SW7470**		Prep Date: **9/5/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	9/5/2006 7:08:44 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **9/1/2006**	Analyst: **SA**
Aluminum	ND		0.0100	mg/L	1	9/2/2006 2:11:00 AM
Arsenic	**0.00505**		**0.00500**	**mg/L**	1	9/2/2006 2:11:00 AM
Barium	**0.0735**		**0.00500**	**mg/L**	1	9/2/2006 2:11:00 AM
Boron	**0.161**		**0.0200**	**mg/L**	1	9/2/2006 2:11:00 AM
Cadmium	ND		0.00200	mg/L	1	9/2/2006 2:11:00 AM
Chromium	ND		0.00500	mg/L	1	9/2/2006 2:11:00 AM
Cobalt	ND		0.00500	mg/L	1	9/2/2006 2:11:00 AM
Copper	ND		0.00500	mg/L	1	9/2/2006 2:11:00 AM
Iron	ND		0.200	mg/L	1	9/2/2006 2:11:00 AM
Lead	ND		0.00500	mg/L	1	9/2/2006 2:11:00 AM
Manganese	ND		0.00500	mg/L	1	9/2/2006 2:11:00 AM
Molybdenum	ND		0.00500	mg/L	1	9/2/2006 2:11:00 AM
Nickel	ND		0.00500	mg/L	1	9/2/2006 2:11:00 AM
Selenium	ND		0.00500	mg/L	1	9/2/2006 2:11:00 AM
Silver	ND		0.00500	mg/L	1	9/2/2006 2:11:00 AM
Uranium	**0.00603**		**0.00500**	**mg/L**	1	9/19/2006 10:15:00 PM
Zinc	**0.00900**		**0.00500**	**mg/L**	1	9/2/2006 2:11:00 AM
SEMIVOLATILE ORGANICS BY GC/MS			**SW8270**		Prep Date: **8/28/2006**	Analyst: **HV**
1,2,4,5-Tetrachlorobenzene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
1,2-Diphenylhydrazine	ND		10	µg/L	1	9/6/2006 4:55:00 PM
1-Methylnaphthalene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
2,3,4,6-Tetrachlorophenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
2,4,5-Trichlorophenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
2,4,6-Trichlorophenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
2,4-Dichlorophenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
2,4-Dimethylphenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
2,4-Dinitrophenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
2,4-Dinitrotoluene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
2,6-Dichlorophenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
2-Chlorophenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
2-Methylnaphthalene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
2-Methylphenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
2-Nitrophenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
3&4-Methylphenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
3,3'-Dichlorobenzidine	ND		10	µg/L	1	9/6/2006 4:55:00 PM
4,6-Dinitro-2-methylphenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM

Qualifiers:
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Client Sample ID: Duplicate
Work Order: 0608511
Collection Date: 8/24/2006
Project: Hess Texaco
Lab ID: 0608511-06
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
4-Chloro-3-methylphenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
4-Nitrophenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Acenaphthene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Acenaphthylene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Anthracene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Benz(a)anthracene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Benzidine	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Benzo(a)pyrene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Benzo(b)fluoranthene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Benzo(g,h,i)perylene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Benzo(k)fluoranthene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Bis(2-chloroethyl)ether	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Bis(2-chloroisopropyl)ether	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Bis(2-ethylhexyl)phthalate	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Chrysene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Di-n-butyl phthalate	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Dibenz(a,h)anthracene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Diethyl phthalate	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Dimethyl phthalate	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Fluoranthene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Fluorene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Hexachlorobenzene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Hexachlorocyclopentadiene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Hexachloroethane	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Indeno(1,2,3-cd)pyrene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Isophorone	ND		10	µg/L	1	9/6/2006 4:55:00 PM
N-Nitroso-di-n-butylamine	ND		10	µg/L	1	9/6/2006 4:55:00 PM
N-Nitrosodiethylamine	ND		10	µg/L	1	9/6/2006 4:55:00 PM
N-Nitrosodimethylamine	ND		10	µg/L	1	9/6/2006 4:55:00 PM
N-Nitrosodiphenylamine	ND		10	µg/L	1	9/6/2006 4:55:00 PM
N-Nitrosopyrrolidine	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Naphthalene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Nitrobenzene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Pentachlorobenzene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Pentachlorophenol	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Phenanthrene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
Pyrene	ND		10	µg/L	1	9/6/2006 4:55:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-06

Client Sample ID: Duplicate
Collection Date: 8/24/2006
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Acrolein	ND		20	µg/L	1	8/30/2006 2:24:00 PM
Acrylonitrile	ND		10	µg/L	1	8/30/2006 2:24:00 PM
Benzene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Bromomethane	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Chlorobenzene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Chloroform	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Chloromethane	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Ethylbenzene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
m,p-Xylene	ND		10	µg/L	1	8/30/2006 2:24:00 PM
Methylene chloride	ND		10	µg/L	1	8/30/2006 2:24:00 PM
o-Xylene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Toluene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Trichloroethene	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	8/30/2006 2:24:00 PM
Vinyl chloride	ND		2.0	µg/L	1	8/30/2006 2:24:00 PM
Surr: 1,2-Dichloroethane-d4	*111*		*70-125*	*%REC*	1	8/30/2006 2:24:00 PM
Surr: 4-Bromofluorobenzene	*100*		*72.4-125*	*%REC*	1	8/30/2006 2:24:00 PM
Surr: Dibromofluoromethane	*106*		*71.2-125*	*%REC*	1	8/30/2006 2:24:00 PM
Surr: Toluene-d8	*99.7*		*75-125*	*%REC*	1	8/30/2006 2:24:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**173**		**5.00**	**mg/L**	10	9/6/2006 4:06:00 AM
Fluoride	**0.818**		**0.100**	**mg/L**	1	9/6/2006 3:44:00 AM
Sulfate	**97.5**		**10.0**	**mg/L**	10	9/6/2006 4:06:00 AM
Nitrate/Nitrite (as N)	**4.15**		**0.500**	**mg/L**	5	9/7/2006 11:52:00 AM
Surr: Selenate (surr)	*104*		*80-120*	*%REC*	1	9/6/2006 3:44:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-06

Client Sample ID: Duplicate
Collection Date: 8/24/2006
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*102*		*80-120*	*%REC*	10	9/6/2006 4:06:00 AM
Surr: Selenate (surr)	*119*		*80-120*	*%REC*	5	9/7/2006 11:52:00 AM
CYANIDE, TOTAL			**E335.3**			Analyst: **LMD**
Cyanide	ND		0.0200	mg/L	1	9/3/2006
NITRITE			**E354.1**			Analyst: **RPM**
Nitrogen, Nitrite	ND		0.0100	mg/L	1	8/26/2006
PH			**E150.1**			Analyst: **RPM**
pH	**6.89**	H	**0.100**	**pH units**	1	8/26/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**726**		**10.0**	**mg/L**	1	8/29/2006

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *September 20, 2006*

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco
Lab ID: 0608511-07

Client Sample ID: Equipment Rinse
Collection Date: 8/24/2006 3:45:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Acrolein	ND		20	µg/L	1	8/30/2006 4:52:00 PM
Acrylonitrile	ND		10	µg/L	1	8/30/2006 4:52:00 PM
Benzene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Bromomethane	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Chlorobenzene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Chloroform	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Chloromethane	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Ethylbenzene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
m,p-Xylene	ND		10	µg/L	1	8/30/2006 4:52:00 PM
Methylene chloride	ND		10	µg/L	1	8/30/2006 4:52:00 PM
o-Xylene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Toluene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Trichloroethene	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	8/30/2006 4:52:00 PM
Vinyl chloride	ND		2.0	µg/L	1	8/30/2006 4:52:00 PM
Surr: 1,2-Dichloroethane-d4	*113*		*70-125*	*%REC*	1	8/30/2006 4:52:00 PM
Surr: 4-Bromofluorobenzene	*104*		*72.4-125*	*%REC*	1	8/30/2006 4:52:00 PM
Surr: Dibromofluoromethane	*110*		*71.2-125*	*%REC*	1	8/30/2006 4:52:00 PM
Surr: Toluene-d8	*105*		*75-125*	*%REC*	1	8/30/2006 4:52:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

Date: *Sep 20 2006*

QC BATCH REPORT

Batch ID: **19613** Instrument ID **ICP7500** Method: **SW6020**

MBLK Sample ID: **MBLKW4-090106** Units: **mg/L** Analysis Date: **09/05/06 14:55**

Client ID: Run ID: **ICP7500_060905A** SeqNo: **942437** Prep Date: **9/1/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.0050								
Barium	ND	0.0050								
Cadmium	ND	0.0020								
Chromium	ND	0.0050								
Cobalt	ND	0.0050								
Copper	ND	0.0050								
Lead	ND	0.0050								
Manganese	ND	0.0050								
Nickel	ND	0.0050								
Selenium	ND	0.0050								
Silver	ND	0.0050								
Zinc	ND	0.0050								

LCS Sample ID: **MLCSW4-090106** Units: **mg/L** Analysis Date: **09/02/06 0:39**

Client ID: Run ID: **ICP7500_060901A** SeqNo: **941862** Prep Date: **9/1/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04941	0.0050	0.05	0	98.8	80-121	0			
Barium	0.04709	0.0050	0.05	0	94.2	79.8-119	0			
Cadmium	0.04779	0.0020	0.05	0	95.6	79.1-119	0			
Chromium	0.04729	0.0050	0.05	0	94.6	79.3-121	0			
Cobalt	0.05226	0.0050	0.05	0	105	82-121	0			
Copper	0.04715	0.0050	0.05	0	94.3	81-120	0			
Lead	0.0485	0.0050	0.05	0	97	80-118	0			
Manganese	0.0434	0.0050	0.05	0	86.8	82-119	0			
Nickel	0.04936	0.0050	0.05	0	98.7	82-120	0			
Selenium	0.04814	0.0050	0.05	0	96.3	79.2-118	0			
Silver	0.04842	0.0050	0.05	0	96.8	80-117	0			
Zinc	0.05255	0.0050	0.05	0	105	79-118	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **19613** Instrument ID **ICP7500** Method: **SW6020**

MS Sample ID: **0608575-09AMS** Units: **mg/L** Analysis Date: **09/02/06 3:55**

Client ID: Run ID: **ICP7500_060901A** SeqNo: **941904** Prep Date: **9/1/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05309	0.0050	0.05	0.0007945	105	80-121	0			
Barium	0.7217	0.0050	0.05	0.6631	117	79.8-119	0			O
Cadmium	0.05282	0.0020	0.05	0.0001334	105	79.1-119	0			
Chromium	0.05078	0.0050	0.05	0.001275	99	79.3-121	0			
Cobalt	0.0532	0.0050	0.05	0.0004028	106	82-121	0			
Copper	0.04924	0.0050	0.05	0.001655	95.2	80-120	0			
Lead	0.05267	0.0050	0.05	0.0004033	105	80-118	0			
Manganese	0.08464	0.0050	0.05	0.03973	89.8	82-119	0			
Nickel	0.0512	0.0050	0.05	0.001156	100	82-120	0			
Selenium	0.05156	0.0050	0.05	0.001587	99.9	79.2-118	0			
Silver	0.04893	0.0050	0.05	-0.0002642	98.4	80-117	0			
Zinc	0.05685	0.0050	0.05	0.00643	101	79-118	0			

MSD Sample ID: **0608575-09AMSD** Units: **mg/L** Analysis Date: **09/02/06 4:01**

Client ID: Run ID: **ICP7500_060901A** SeqNo: **941905** Prep Date: **9/1/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05162	0.0050	0.05	0.0007945	102	80-121	0.05309	2.81	15	
Barium	0.6844	0.0050	0.05	0.6631	42.6	79.8-119	0.7217	5.31	15	SO
Cadmium	0.05089	0.0020	0.05	0.0001334	102	79.1-119	0.05282	3.72	15	
Chromium	0.05031	0.0050	0.05	0.001275	98.1	79.3-121	0.05078	0.93	15	
Cobalt	0.05248	0.0050	0.05	0.0004028	104	82-121	0.0532	1.36	15	
Copper	0.04926	0.0050	0.05	0.001655	95.2	81-120	0.04924	0.0406	15	
Lead	0.05214	0.0050	0.05	0.0004033	103	80-118	0.05267	1.01	15	
Manganese	0.0839	0.0050	0.05	0.03973	88.3	82-119	0.08464	0.878	15	
Nickel	0.0503	0.0050	0.05	0.001156	98.3	82-120	0.0512	1.77	15	
Selenium	0.05087	0.0050	0.05	0.001587	98.6	79.2-118	0.05156	1.35	15	
Silver	0.04919	0.0050	0.05	-0.0002642	98.9	80-117	0.04893	0.53	15	
Zinc	0.05598	0.0050	0.05	0.00643	99.1	79-118	0.05685	1.54	15	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **19613** Instrument ID **ICP7500** Method: **SW6020**

DUP Sample ID: **0608575-09ADUP** Units: **mg/L** Analysis Date: **09/02/06 3:31**

Client ID: Run ID: **ICP7500_060901A** SeqNo: **941901** Prep Date: **9/1/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.0050	0	0	0	0-0	0.0007945	0	25	
Barium	0.641	0.0050	0	0	0	0-0	0.6631	3.39	25	
Cadmium	ND	0.0020	0	0	0	0-0	0.0001334	0	25	
Chromium	0.001022	0.0050	0	0	0	0-0	0.001275	0	25	J
Cobalt	0.0003393	0.0050	0	0	0	0-0	0.0004028	0	25	J
Copper	0.001538	0.0050	0	0	0	0-0	0.001655	0	25	J
Lead	0.0004733	0.0050	0	0	0	0-0	0.0004033	0	25	J
Manganese	0.03879	0.0050	0	0	0	0-0	0.03973	2.39	25	
Nickel	0.001091	0.0050	0	0	0	0-0	0.001156	0	25	J
Selenium	ND	0.0050	0	0	0	0-0	0.001587	0	25	
Silver	ND	0.0050	0	0	0	0-0	-0.0002642	0	25	
Zinc	0.008021	0.0050	0	0	0	0-0	0.00643	22	25	

The following samples were analyzed in this batch:

0608511-01D	0608511-02D	0608511-03D
0608511-04D	0608511-05D	0608511-06D

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **19635** Instrument ID **Mercury** Method: **SW7470**

MBLK Sample ID: **GBLKW3-090506** Units: **mg/L** Analysis Date: **09/05/06 18:34**
Client ID: Run ID: **MERCURY_060905C** SeqNo: **942523** Prep Date: **9/5/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020								

LCS Sample ID: **GLCSW3-090506** Units: **mg/L** Analysis Date: **09/05/06 18:36**
Client ID: Run ID: **MERCURY_060905C** SeqNo: **942524** Prep Date: **9/5/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00506	0.00020	0.005	0	101	85-115	0			

LCSD Sample ID: **GLCSDW3-090506** Units: **mg/L** Analysis Date: **09/05/06 18:38**
Client ID: Run ID: **MERCURY_060905C** SeqNo: **942525** Prep Date: **9/5/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00504	0.00020	0.005	0	101	85-115	0.00506	0.396	20	

MS Sample ID: **0608613-08CMS** Units: **mg/L** Analysis Date: **09/05/06 18:47**
Client ID: Run ID: **MERCURY_060905C** SeqNo: **942528** Prep Date: **9/5/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00483	0.00020	0.005	0.000055	95.5	85-115	0			

MSD Sample ID: **0608613-08CMSD** Units: **mg/L** Analysis Date: **09/05/06 18:48**
Client ID: Run ID: **MERCURY_060905C** SeqNo: **942529** Prep Date: **9/5/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00498	0.00020	0.005	0.000055	98.5	85-115	0.00483	3.06	20	

DUP Sample ID: **0608613-08CDUP** Units: **mg/L** Analysis Date: **09/05/06 18:45**
Client ID: Run ID: **MERCURY_060905C** SeqNo: **942527** Prep Date: **9/5/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020	0	0	0	0-0	0.000055	0	20	

The following samples were analyzed in this batch:

0608511-01D	0608511-02D	0608511-03D
0608511-04D	0608511-05D	0608511-06D

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **19861** Instrument ID **ICPMS02** Method: **SW6020**

MBLK Sample ID: **MBLKW1-091806** Units: **mg/L** Analysis Date: **09/19/06 19:38**
Client ID: Run ID: **ICPMS02_060919A** SeqNo: **952120** Prep Date: **9/18/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Uranium	ND	0.0050								

LCS Sample ID: **MLCSW1-091806** Units: **mg/L** Analysis Date: **09/19/06 19:44**
Client ID: Run ID: **ICPMS02_060919A** SeqNo: **952121** Prep Date: **9/18/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Uranium	0.04614	0.0050	0.05	0	92.3	80-120	0			

MS Sample ID: **0608511-01DMS** Units: **mg/L** Analysis Date: **09/19/06 20:07**
Client ID: **G Lact MW1** Run ID: **ICPMS02_060919A** SeqNo: **952125** Prep Date: **9/18/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Uranium	0.05551	0.0050	0.05	0.005324	100	80-120	0			

MSD Sample ID: **0608511-01DMSD** Units: **mg/L** Analysis Date: **09/19/06 20:13**
Client ID: **G Lact MW1** Run ID: **ICPMS02_060919A** SeqNo: **952126** Prep Date: **9/18/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Uranium	0.05597	0.0050	0.05	0.005324	101	80-120	0.05551	0.825	15	

DUP Sample ID: **0608511-01DDUP** Units: **mg/L** Analysis Date: **09/19/06 19:55**
Client ID: **G Lact MW1** Run ID: **ICPMS02_060919A** SeqNo: **952123** Prep Date: **9/18/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Uranium	0.005577	0.0050	0	0	0		0.005324	4.64	20	

The following samples were analyzed in this batch:

0608511-01D	0608511-02D	0608511-03D
0608511-04D	0608511-05D	0608511-06D

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **19509** Instrument ID **SV-2** Method: **SW8270**

MBLK Sample ID: **SBLKW1-060828** Units: **µg/L** Analysis Date: **08/29/06 14:08**

Client ID: Run ID: **SV-2_060830A** SeqNo: **938558** Prep Date: **8/28/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	10								
1,2-Diphenylhydrazine	ND	10								
1-Methylnaphthalene	ND	10								
2,3,4,6-Tetrachlorophenol	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,6-Trichlorophenol	ND	10								
2,4-Dichlorophenol	ND	10								
2,4-Dimethylphenol	ND	10								
2,4-Dinitrophenol	ND	10								
2,4-Dinitrotoluene	ND	10								
2,6-Dichlorophenol	ND	10								
2-Chlorophenol	ND	10								
2-Methylnaphthalene	ND	10								
2-Methylphenol	ND	10								
2-Nitrophenol	ND	10								
3&4-Methylphenol	ND	10								
3,3'-Dichlorobenzidine	ND	10								
4,6-Dinitro-2-methylphenol	ND	10								
4-Chloro-3-methylphenol	ND	10								
4-Nitrophenol	ND	10								
Acenaphthene	ND	10								
Acenaphthylene	ND	10								
Anthracene	ND	10								
Benz(a)anthracene	ND	10								
Benzidine	ND	10								
Benzo(a)pyrene	ND	10								
Benzo(b)fluoranthene	ND	10								
Benzo(g,h,i)perylene	ND	10								
Benzo(k)fluoranthene	ND	10								
Bis(2-chloroethyl)ether	ND	10								
Bis(2-chloroisopropyl)ether	ND	10								
Bis(2-ethylhexyl)phthalate	ND	10								
Chrysene	ND	10								
Di-n-butyl phthalate	ND	10								
Dibenz(a,h)anthracene	ND	10								
Diethyl phthalate	ND	10								
Dimethyl phthalate	ND	10								
Fluoranthene	ND	10								
Fluorene	ND	10								
Hexachlorobenzene	ND	10								

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Batch ID: **19509** Instrument ID **SV-2** Method: **SW8270**

Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Isophorone	ND	10
N-Nitroso-di-n-butylamine	ND	10
N-Nitrosodiethylamine	ND	10
N-Nitrosodimethylamine	ND	10
N-Nitrosodiphenylamine	ND	10
N-Nitrosopyrrolidine	ND	10
Naphthalene	ND	10
Nitrobenzene	ND	10
Pentachlorobenzene	ND	10
Pentachlorophenol	ND	10
Phenanthrene	ND	10
Pyrene	ND	10

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **19509** Instrument ID **SV-2** Method: **SW8270**

MBLK Sample ID: **SBLKW1-060828** Units: **µg/L** Analysis Date: **09/06/06 13:16**

Client ID: Run ID: **SV-2_060830A** SeqNo: **944005** Prep Date: **8/28/2006** DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	10								
1,2-Diphenylhydrazine	ND	10								
1-Methylnaphthalene	ND	10								
2,3,4,6-Tetrachlorophenol	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,6-Trichlorophenol	ND	10								
2,4-Dichlorophenol	ND	10								
2,4-Dimethylphenol	ND	10								
2,4-Dinitrophenol	ND	10								
2,4-Dinitrotoluene	ND	10								
2,6-Dichlorophenol	ND	10								
2-Chlorophenol	ND	10								
2-Methylnaphthalene	ND	10								
2-Methylphenol	ND	10								
2-Nitrophenol	ND	10								
3&4-Methylphenol	ND	10								
3,3'-Dichlorobenzidine	ND	10								
4,6-Dinitro-2-methylphenol	ND	10								
4-Chloro-3-methylphenol	ND	10								
4-Nitrophenol	ND	10								
Acenaphthene	ND	10								
Acenaphthylene	ND	10								
Anthracene	ND	10								
Benz(a)anthracene	ND	10								
Benzidine	ND	10								
Benzo(a)pyrene	ND	10								
Benzo(b)fluoranthene	ND	10								
Benzo(g,h,i)perylene	ND	10								
Benzo(k)fluoranthene	ND	10								
Bis(2-chloroethyl)ether	ND	10								
Bis(2-chloroisopropyl)ether	ND	10								
Bis(2-ethylhexyl)phthalate	ND	10								
Chrysene	ND	10								
Di-n-butyl phthalate	ND	10								
Dibenz(a,h)anthracene	ND	10								
Diethyl phthalate	ND	10								
Dimethyl phthalate	ND	10								
Fluoranthene	ND	10								
Fluorene	ND	10								
Hexachlorobenzene	ND	10								

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Batch ID: **19509** Instrument ID **SV-2** Method: **SW8270**

Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Isophorone	ND	10
N-Nitroso-di-n-butylamine	ND	10
N-Nitrosodiethylamine	ND	10
N-Nitrosodimethylamine	ND	10
N-Nitrosodiphenylamine	ND	10
N-Nitrosopyrrolidine	ND	10
Naphthalene	ND	10
Nitrobenzene	ND	10
Pentachlorobenzene	ND	10
Pentachlorophenol	ND	10
Phenanthrene	ND	10
Pyrene	ND	10

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **19509** Instrument ID **SV-2** Method: **SW8270**

LCS Sample ID: **SLCSW1-060828** Units: **µg/L** Analysis Date: **08/30/06 11:15**

Client ID: Run ID: **SV-2_060830A** SeqNo: **938560** Prep Date: **8/28/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	52.59	10	50	0	105	39.4-115	0			
1,2-Diphenylhydrazine	31.55	10	50	0	63.1	59-134	0			
1-Methylnaphthalene	34.68	10	50	0	69.4	58.5-137	0			
2,3,4,6-Tetrachlorophenol	68.79	10	100	0	68.8	61.3-125	0			
2,4,5-Trichlorophenol	67.37	10	100	0	67.4	59.2-126	0			
2,4,6-Trichlorophenol	69.24	10	100	0	69.2	59.8-120	0			
2,4-Dichlorophenol	69.65	10	100	0	69.6	57.6-121	0			
2,4-Dimethylphenol	67.21	10	100	0	67.2	57.2-115	0			
2,4-Dinitrophenol	67.32	10	100	0	67.3	46.2-124	0			
2,4-Dinitrotoluene	34.63	10	50	0	69.3	62.9-126	0			
2,6-Dichlorophenol	93.6	10	100	0	93.6	63.1-120	0			
2-Chlorophenol	71.49	10	100	0	71.5	54.3-115	0			
2-Methylnaphthalene	38.09	10	50	0	76.2	51.4-124	0			
2-Methylphenol	74.44	10	100	0	74.4	41.5-115	0			
2-Nitrophenol	68.67	10	100	0	68.7	57.2-115	0			
3&4-Methylphenol	110.8	10	150	0	73.9	33.3-115	0			
3,3'-Dichlorobenzidine	29.08	10	50	0	58.2	26.7-118	0			
4,6-Dinitro-2-methylphenol	70.53	10	100	0	70.5	60.1-129	0			
4-Chloro-3-methylphenol	69.15	10	100	0	69.2	55.5-120	0			
4-Nitrophenol	75.35	10	100	0	75.4	17-100	0			
Acenaphthene	34.44	10	50	0	68.9	63.1-120	0			
Acenaphthylene	34.09	10	50	0	68.2	62.8-118	0			
Anthracene	34.31	10	50	0	68.6	64.5-128	0			
Benz(a)anthracene	36.31	10	50	0	72.6	60.1-125	0			
Benzidine	15.53	10	50	0	31.1	10-115	0			
Benzo(a)pyrene	34.2	10	50	0	68.4	56.7-135	0			
Benzo(b)fluoranthene	36.33	10	50	0	72.7	50.5-134	0			
Benzo(g,h,i)perylene	34.14	10	50	0	68.3	52.2-138	0			
Benzo(k)fluoranthene	34.32	10	50	0	68.6	60-140	0			
Bis(2-chloroethyl)ether	35.88	10	50	0	71.8	62.3-115	0			
Bis(2-chloroisopropyl)ether	38.14	10	50	0	76.3	54.9-117	0			
Bis(2-ethylhexyl)phthalate	35.56	10	50	0	71.1	59.1-136	0			
Chrysene	35.22	10	50	0	70.4	62.4-125	0			
Di-n-butyl phthalate	35.66	10	50	0	71.3	64.6-133	0			
Dibenz(a,h)anthracene	34.87	10	50	0	69.7	49.2-136	0			
Diethyl phthalate	34.27	10	50	0	68.5	62.7-129	0			
Dimethyl phthalate	34.62	10	50	0	69.2	63.7-126	0			
Fluoranthene	35.4	10	50	0	70.8	61.2-128	0			
Fluorene	34.44	10	50	0	68.9	64.9-121	0			
Hexachlorobenzene	33.57	10	50	0	67.1	65.6-126	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Batch ID: **19509** Instrument ID **SV-2** Method: **SW8270**

Hexachlorocyclopentadiene	30.78	10	50	0	61.6	43.4-120	0
Hexachloroethane	35.15	10	50	0	70.3	60-115	0
Indeno(1,2,3-cd)pyrene	32.77	10	50	0	65.5	50.3-123	0
Isophorone	35.19	10	50	0	70.4	62-121	0
N-Nitrosodimethylamine	35.79	10	50	0	71.6	18-115	0
N-Nitrosodiphenylamine	35.5	10	50	0	71	65.1-136	0
Naphthalene	34.77	10	50	0	69.5	59.9-115	0
Nitrobenzene	35.06	10	50	0	70.1	59.1-134	0
Pentachlorobenzene	55.13	10	50	0	110	40-130	0
Pentachlorophenol	68.54	10	100	0	68.5	51.3-134	0
Phenanthrene	34.58	10	50	0	69.2	65.2-122	0
Pyrene	35.41	10	50	0	70.8	59.7-121	0

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **19509** Instrument ID **SV-2** Method: **SW8270**

LCSD Sample ID: **SLCSDW1-060828** Units: **µg/L** Analysis Date: **08/30/06 11:43**

Client ID: Run ID: **SV-2_060830A** SeqNo: **938561** Prep Date: **8/28/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	54.39	10	50	0	109	39.4-115	52.59	3.37	20	
1,2-Diphenylhydrazine	31.85	10	50	0	63.7	59-134	31.55	0.921	20	
1-Methylnaphthalene	35.77	10	50	0	71.5	58.5-137	34.68	3.08	20	
2,3,4,6-Tetrachlorophenol	70.43	10	100	0	70.4	61.3-125	68.79	2.36	20	
2,4,5-Trichlorophenol	68.44	10	100	0	68.4	59.2-126	67.37	1.57	20	
2,4,6-Trichlorophenol	69.27	10	100	0	69.3	59.8-120	69.24	0.0465	20	
2,4-Dichlorophenol	71.63	10	100	0	71.6	57.6-121	69.65	2.81	20	
2,4-Dimethylphenol	69.59	10	100	0	69.6	57.2-115	67.21	3.48	20	
2,4-Dinitrophenol	71.42	10	100	0	71.4	46.2-124	67.32	5.91	20	
2,4-Dinitrotoluene	35.58	10	50	0	71.2	62.9-126	34.63	2.7	20	
2,6-Dichlorophenol	97.28	10	100	0	97.3	63.1-120	93.6	3.86	20	
2-Chlorophenol	72.58	10	100	0	72.6	54.3-115	71.49	1.51	20	
2-Methylnaphthalene	39.2	10	50	0	78.4	51.4-124	38.09	2.88	20	
2-Methylphenol	77.66	10	100	0	77.7	41.5-115	74.44	4.23	20	
2-Nitrophenol	70.14	10	100	0	70.1	57.2-115	68.67	2.12	20	
3&4-Methylphenol	115.3	10	150	0	76.8	33.3-115	110.8	3.97	20	
3,3'-Dichlorobenzidine	26.13	10	50	0	52.3	26.7-118	29.08	10.7	20	
4,6-Dinitro-2-methylphenol	71.39	10	100	0	71.4	60.1-129	70.53	1.22	20	
4-Chloro-3-methylphenol	72.32	10	100	0	72.3	55.5-120	69.15	4.48	20	
4-Nitrophenol	76.36	10	100	0	76.4	17-100	75.35	1.32	20	
Acenaphthene	35.15	10	50	0	70.3	63.1-120	34.44	2.04	20	
Acenaphthylene	34.6	10	50	0	69.2	62.8-118	34.09	1.5	20	
Anthracene	35.15	10	50	0	70.3	64.5-128	34.31	2.44	20	
Benz(a)anthracene	36.29	10	50	0	72.6	60.1-125	36.31	0.0552	20	
Benzidine	14.21	10	50	0	28.4	10-115	15.53	8.87	20	
Benzo(a)pyrene	34.74	10	50	0	69.5	56.7-135	34.2	1.55	20	
Benzo(b)fluoranthene	36.99	10	50	0	74	50.5-134	36.33	1.81	20	
Benzo(g,h,i)perylene	33.76	10	50	0	67.5	52.2-138	34.14	1.11	20	
Benzo(k)fluoranthene	35.42	10	50	0	70.8	60-140	34.32	3.18	20	
Bis(2-chloroethyl)ether	36.58	10	50	0	73.2	62.3-115	35.88	1.95	20	
Bis(2-chloroisopropyl)ether	39.18	10	50	0	78.4	54.9-117	38.14	2.71	20	
Bis(2-ethylhexyl)phthalate	35.84	10	50	0	71.7	59.1-136	35.56	0.791	20	
Chrysene	35.15	10	50	0	70.3	62.4-125	35.22	0.192	20	
Di-n-butyl phthalate	36.33	10	50	0	72.7	64.6-133	35.66	1.84	20	
Dibenz(a,h)anthracene	34.51	10	50	0	69	49.2-136	34.87	1.04	20	
Diethyl phthalate	35.69	10	50	0	71.4	62.7-129	34.27	4.08	20	
Dimethyl phthalate	35.6	10	50	0	71.2	63.7-126	34.62	2.78	20	
Fluoranthene	36.09	10	50	0	72.2	61.2-128	35.4	1.93	20	
Fluorene	35.37	10	50	0	70.7	64.9-121	34.44	2.67	20	
Hexachlorobenzene	33.74	10	50	0	67.5	65.6-126	33.57	0.515	20	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **19509** Instrument ID **SV-2** Method: **SW8270**

Hexachlorocyclopentadiene	30.48	10	50	0	61	43.4-120	30.78	0.981	20
Hexachloroethane	35.47	10	50	0	70.9	60-115	35.15	0.922	20
Indeno(1,2,3-cd)pyrene	33.56	10	50	0	67.1	50.3-123	32.77	2.37	20
Isophorone	36.14	10	50	0	72.3	62-121	35.19	2.68	20
N-Nitrosodimethylamine	36.24	10	50	0	72.5	18-115	35.79	1.24	20
N-Nitrosodiphenylamine	35.03	10	50	0	70.1	65.1-136	35.5	1.33	20
Naphthalene	35.55	10	50	0	71.1	59.9-115	34.77	2.22	20
Nitrobenzene	35.53	10	50	0	71.1	59.1-134	35.06	1.35	20
Pentachlorobenzene	59.05	10	50	0	118	40-130	55.13	6.86	20
Pentachlorophenol	70.17	10	100	0	70.2	51.3-134	68.54	2.35	20
Phenanthrene	34.77	10	50	0	69.5	65.2-122	34.58	0.54	20
Pyrene	36.03	10	50	0	72.1	59.7-121	35.41	1.74	20

The following samples were analyzed in this batch: 0608511-01E 0608511-02E 0608511-03E 0608511-04E 0608511-05E 0608511-06E

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41162** Instrument ID **VOA1** Method: **SW8260**

MBLK Sample ID: **VBLKW-0828** Units: **µg/L** Analysis Date: **08/28/06 11:51**

Client ID: Run ID: **VOA1_060830A** SeqNo: **938115** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
Acrolein	ND	20								
Acrylonitrile	ND	10								
Benzene	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromomethane	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dichlorodifluoromethane	ND	5.0								
Ethylbenzene	ND	5.0								
m,p-Xylene	ND	10								
Methylene chloride	ND	10								
o-Xylene	ND	5.0								
Tetrachloroethene	ND	5.0								
Toluene	ND	5.0								
trans-1,2-Dichloroethene	ND	5.0								
trans-1,3-Dichloropropene	ND	5.0								
Trichloroethene	ND	5.0								
Trichlorofluoromethane	ND	5.0								
Vinyl chloride	ND	2.0								
Surr: 1,2-Dichloroethane-d4	*54.16*	5.0	*50*	0	*108*	*70-125*		0		
Surr: 4-Bromofluorobenzene	*54.64*	5.0	*50*	0	*109*	*72.4-125*		0		
Surr: Dibromofluoromethane	*54.42*	5.0	*50*	0	*109*	*71.2-125*		0		
Surr: Toluene-d8	*53.91*	5.0	*50*	0	*108*	*75-125*		0		

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41162** Instrument ID **VOA1** Method: **SW8260**

LCS Sample ID: **VLCSW-0828** Units: **µg/L** Analysis Date: **08/28/06 12:19**

Client ID: Run ID: **VOA1_060830A** SeqNo: **938116** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	51.42	5.0	50	0	103	79.6-120	0			
1,1,2,2-Tetrachloroethane	46.71	5.0	50	0	93.4	78.9-121	0			
1,1,2-Trichloroethane	47.88	5.0	50	0	95.8	80-120	0			
1,1-Dichloroethane	46.02	5.0	50	0	92	74.2-122	0			
1,1-Dichloroethene	49.88	5.0	50	0	99.8	75.8-122	0			
1,1-Dichloropropene	51.08	5.0	50	0	102	80-120	0			
1,2-Dibromoethane	48.12	5.0	50	0	96.2	80-120	0			
1,2-Dichlorobenzene	48.22	5.0	50	0	96.4	80-120	0			
1,2-Dichloroethane	48.5	5.0	50	0	97	78.8-120	0			
Acrolein	93.34	20	100	0	93.3	68.9-129	0			
Acrylonitrile	89.72	10	100	0	89.7	68.8-129	0			
Benzene	46.61	5.0	50	0	93.2	80-120	0			
Bromodichloromethane	51.03	5.0	50	0	102	80-120	0			
Bromomethane	53.66	5.0	50	0	107	52.8-147	0			
Carbon tetrachloride	54.31	5.0	50	0	109	76.8-120	0			
Chlorobenzene	49.43	5.0	50	0	98.9	80-120	0			
Chloroform	48.31	5.0	50	0	96.6	80-120	0			
Chloromethane	45.13	5.0	50	0	90.3	63.5-133	0			
cis-1,2-Dichloroethene	46.16	5.0	50	0	92.3	80-120	0			
cis-1,3-Dichloropropene	50.44	5.0	50	0	101	80-120	0			
Dichlorodifluoromethane	51.48	5.0	50	0	103	68.6-126	0			
Ethylbenzene	48.82	5.0	50	0	97.6	80-120	0			
m,p-Xylene	98.98	10	100	0	99	80-120	0			
Methylene chloride	49.6	10	50	0	99.2	74.7-120	0			
o-Xylene	49.73	5.0	50	0	99.5	80-120	0			
Tetrachloroethene	51.47	5.0	50	0	103	80-120	0			
Toluene	49.29	5.0	50	0	98.6	80-120	0			
trans-1,2-Dichloroethene	48.52	5.0	50	0	97	75.9-122	0			
trans-1,3-Dichloropropene	51.08	5.0	50	0	102	80-120	0			
Trichloroethene	50.24	5.0	50	0	100	80-120	0			
Trichlorofluoromethane	53.05	5.0	50	0	106	70.3-126	0			
Vinyl chloride	47.89	2.0	50	0	95.8	76.2-121	0			
Surr: 1,2-Dichloroethane-d4	*52.86*	5.0	*50*	0	*106*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*55.31*	5.0	*50*	0	*111*	*72.4-125*	0			
Surr: Dibromofluoromethane	*53.51*	5.0	*50*	0	*107*	*71.2-125*	0			
Surr: Toluene-d8	*53.04*	5.0	*50*	0	*106*	*75-125*	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41162** Instrument ID **VOA1** Method: **SW8260**

MS Sample ID: **0608518-01AMS** Units: **µg/L** Analysis Date: **08/28/06 14:40**

Client ID: Run ID: **VOA1_060830A** SeqNo: **938120** Prep Date: DF: **25**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1129	120	1250	0	90.3	79.6-120	0			
1,1,2,2-Tetrachloroethane	1229	120	1250	0	98.3	78.9-121	0			
1,1,2-Trichloroethane	1213	120	1250	0	97	80-120	0			
1,1-Dichloroethane	1148	120	1250	0	91.9	74.2-122	0			
1,1-Dichloroethene	1068	120	1250	0	85.5	75.8-122	0			
1,1-Dichloropropene	1089	120	1250	0	87.1	80-120	0			
1,2-Dibromoethane	1266	120	1250	0	101	80-120	0			
1,2-Dichlorobenzene	1149	120	1250	0	91.9	80-120	0			
1,2-Dichloroethane	1275	120	1250	0	102	78.8-120	0			
Acrolein	2416	500	2500	0	96.6	68.9-129	0			
Acrylonitrile	2148	250	2500	0	85.9	68.8-129	0			
Benzene	1158	120	1250	0	92.6	80-120	0			
Bromodichloromethane	1316	120	1250	0	105	80-120	0			
Bromomethane	1339	120	1250	0	107	52.8-147	0			
Carbon tetrachloride	1099	120	1250	0	87.9	76.8-120	0			
Chlorobenzene	1190	120	1250	0	95.2	80-120	0			
Chloroform	1494	120	1250	282.8	96.9	80-120	0			
Chloromethane	1040	120	1250	0	83.2	63.5-133	0			
cis-1,2-Dichloroethene	1181	120	1250	0	94.5	80-120	0			
cis-1,3-Dichloropropene	1265	120	1250	0	101	80-120	0			
Dichlorodifluoromethane	881.3	120	1250	0	70.5	68.6-126	0			
Ethylbenzene	1089	120	1250	0	87.1	80-120	0			
m,p-Xylene	2197	250	2500	0	87.9	80-120	0			
Methylene chloride	1220	250	1250	0	97.6	74.7-120	0			
o-Xylene	1152	120	1250	0	92.2	80-120	0			
Tetrachloroethene	1065	120	1250	0	85.2	80-120	0			
Toluene	1138	120	1250	0	91	80-120	0			
trans-1,2-Dichloroethene	1191	120	1250	0	95.3	75.9-122	0			
trans-1,3-Dichloropropene	1309	120	1250	0	105	80-120	0			
Trichloroethene	1193	120	1250	0	95.4	80-120	0			
Trichlorofluoromethane	969	120	1250	0	77.5	70.3-126	0			
Vinyl chloride	1008	50	1250	0	80.7	76.2-121	0			
Surr: 1,2-Dichloroethane-d4	*1352*	120	*1250*	0	*108*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*1342*	120	*1250*	0	*107*	*72.4-125*	0			
Surr: Dibromofluoromethane	*1375*	120	*1250*	0	*110*	*71.2-125*	0			
Surr: Toluene-d8	*1332*	120	*1250*	0	*107*	*75-125*	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41162** Instrument ID **VOA1** Method: **SW8260**

MSD Sample ID: **0608518-01AMSD** Units: **µg/L** Analysis Date: **08/28/06 15:08**

Client ID: Run ID: **VOA1_060830A** SeqNo: **938121** Prep Date: DF: **25**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1260	120	1250	0	101	79.6-120	1129	10.9	20	
1,1,2,2-Tetrachloroethane	1256	120	1250	0	100	78.9-121	1229	2.2	20	
1,1,2-Trichloroethane	1247	120	1250	0	99.7	80-120	1213	2.79	20	
1,1-Dichloroethane	1180	120	1250	0	94.4	74.2-122	1148	2.73	20	
1,1-Dichloroethene	1244	120	1250	0	99.5	75.8-122	1068	15.2	20	
1,1-Dichloropropene	1250	120	1250	0	100	80-120	1089	13.8	20	
1,2-Dibromoethane	1305	120	1250	0	104	80-120	1266	3.07	20	
1,2-Dichlorobenzene	1241	120	1250	0	99.3	80-120	1149	7.75	20	
1,2-Dichloroethane	1302	120	1250	0	104	78.8-120	1275	2.1	20	
Acrolein	2521	500	2500	0	101	68.9-129	2416	4.26	20	
Acrylonitrile	2427	250	2500	0	97.1	68.8-129	2148	12.2	20	
Benzene	1169	120	1250	0	93.5	80-120	1158	1.02	20	
Bromodichloromethane	1330	120	1250	0	106	80-120	1316	1.02	20	
Bromomethane	1313	120	1250	0	105	52.8-147	1339	1.95	20	
Carbon tetrachloride	1314	120	1250	0	105	76.8-120	1099	17.8	20	
Chlorobenzene	1248	120	1250	0	99.9	80-120	1190	4.81	20	
Chloroform	1529	120	1250	282.8	99.7	80-120	1494	2.31	20	
Chloromethane	1062	120	1250	0	85	63.5-133	1040	2.14	20	
cis-1,2-Dichloroethene	1185	120	1250	0	94.8	80-120	1181	0.31	20	
cis-1,3-Dichloropropene	1286	120	1250	0	103	80-120	1265	1.64	20	
Dichlorodifluoromethane	1199	120	1250	0	95.9	68.6-126	881.3	30.6	20	R
Ethylbenzene	1224	120	1250	0	97.9	80-120	1089	11.7	20	
m,p-Xylene	2456	250	2500	0	98.2	80-120	2197	11.1	20	
Methylene chloride	1265	250	1250	0	101	74.7-120	1220	3.62	20	
o-Xylene	1258	120	1250	0	101	80-120	1152	8.78	20	
Tetrachloroethene	1267	120	1250	0	101	80-120	1065	17.3	20	
Toluene	1202	120	1250	0	96.2	80-120	1138	5.49	20	
trans-1,2-Dichloroethene	1261	120	1250	0	101	75.9-122	1191	5.73	20	
trans-1,3-Dichloropropene	1313	120	1250	0	105	80-120	1309	0.291	20	
Trichloroethene	1246	120	1250	0	99.6	80-120	1193	4.35	20	
Trichlorofluoromethane	1322	120	1250	0	106	70.3-126	969	30.8	20	R
Vinyl chloride	1133	50	1250	0	90.6	76.2-121	1008	11.6	20	
Surr: 1,2-Dichloroethane-d4	*1372*	120	*1250*	0	*110*	*70-125*	1352	*1.52*	*20*	
Surr: 4-Bromofluorobenzene	*1350*	120	*1250*	0	*108*	*72.4-125*	1342	*0.583*	*20*	
Surr: Dibromofluoromethane	*1364*	120	*1250*	0	*109*	*71.2-125*	1375	*0.78*	*20*	
Surr: Toluene-d8	*1311*	120	*1250*	0	*105*	*75-125*	1332	*1.57*	*20*	

The following samples were analyzed in this batch: 0608511-01A 0608511-02A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
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U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41214** Instrument ID **VOA1** Method: **SW8260**

MBLK Sample ID: **VBLKW-0830** Units: **µg/L** Analysis Date: **08/30/06 12:00**

Client ID: Run ID: **VOA1_060830C** SeqNo: **939256** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
Acrolein	ND	20								
Acrylonitrile	ND	10								
Benzene	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromomethane	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dichlorodifluoromethane	ND	5.0								
Ethylbenzene	ND	5.0								
m,p-Xylene	ND	10								
Methylene chloride	ND	10								
o-Xylene	ND	5.0								
Tetrachloroethene	ND	5.0								
Toluene	ND	5.0								
trans-1,2-Dichloroethene	ND	5.0								
trans-1,3-Dichloropropene	ND	5.0								
Trichloroethene	ND	5.0								
Trichlorofluoromethane	ND	5.0								
Vinyl chloride	ND	2.0								
Surr: 1,2-Dichloroethane-d4	*53.39*	5.0	*50*	0	*107*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*55.12*	5.0	*50*	0	*110*	*72.4-125*	0			
Surr: Dibromofluoromethane	*53.13*	5.0	*50*	0	*106*	*71.2-125*	0			
Surr: Toluene-d8	*52.03*	5.0	*50*	0	*104*	*75-125*	0			

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CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41214** Instrument ID **VOA1** Method: **SW8260**

LCS Sample ID: **VLCSW-0830** Units: **µg/L** Analysis Date: **08/30/06 12:29**

Client ID: Run ID: **VOA1_060830C** SeqNo: **939257** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.57	5.0	50	0	99.1	79.6-120	0			
1,1,2,2-Tetrachloroethane	47.47	5.0	50	0	94.9	78.9-121	0			
1,1,2-Trichloroethane	48.06	5.0	50	0	96.1	80-120	0			
1,1-Dichloroethane	45.16	5.0	50	0	90.3	74.2-122	0			
1,1-Dichloroethene	48.03	5.0	50	0	96.1	75.8-122	0			
1,1-Dichloropropene	47.02	5.0	50	0	94	80-120	0			
1,2-Dibromoethane	50.1	5.0	50	0	100	80-120	0			
1,2-Dichlorobenzene	47.61	5.0	50	0	95.2	80-120	0			
1,2-Dichloroethane	51.33	5.0	50	0	103	78.8-120	0			
Acrolein	96.16	20	100	0	96.2	68.9-129	0			
Acrylonitrile	91.59	10	100	0	91.6	68.8-129	0			
Benzene	46.42	5.0	50	0	92.8	80-120	0			
Bromodichloromethane	51.88	5.0	50	0	104	80-120	0			
Bromomethane	49.96	5.0	50	0	99.9	52.8-147	0			
Carbon tetrachloride	50.65	5.0	50	0	101	76.8-120	0			
Chlorobenzene	48.66	5.0	50	0	97.3	80-120	0			
Chloroform	47.79	5.0	50	0	95.6	80-120	0			
Chloromethane	41.59	5.0	50	0	83.2	63.5-133	0			
cis-1,2-Dichloroethene	45.67	5.0	50	0	91.3	80-120	0			
cis-1,3-Dichloropropene	50.39	5.0	50	0	101	80-120	0			
Dichlorodifluoromethane	45.19	5.0	50	0	90.4	68.6-126	0			
Ethylbenzene	46.87	5.0	50	0	93.7	80-120	0			
m,p-Xylene	94	10	100	0	94	80-120	0			
Methylene chloride	50.58	10	50	0	101	74.7-120	0			
o-Xylene	47.4	5.0	50	0	94.8	80-120	0			
Tetrachloroethene	48.11	5.0	50	0	96.2	80-120	0			
Toluene	46.18	5.0	50	0	92.4	80-120	0			
trans-1,2-Dichloroethene	47.17	5.0	50	0	94.3	75.9-122	0			
trans-1,3-Dichloropropene	52.22	5.0	50	0	104	80-120	0			
Trichloroethene	48.92	5.0	50	0	97.8	80-120	0			
Trichlorofluoromethane	48.69	5.0	50	0	97.4	70.3-126	0			
Vinyl chloride	46.6	2.0	50	0	93.2	76.2-121	0			
Surr: 1,2-Dichloroethane-d4	*52.05*	5.0	*50*	0	*104*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*56.36*	5.0	*50*	0	*113*	*72.4-125*	0			
Surr: Dibromofluoromethane	*53.23*	5.0	*50*	0	*106*	*71.2-125*	0			
Surr: Toluene-d8	*51.38*	5.0	*50*	0	*103*	*75-125*	0			

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CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41214** Instrument ID **VOA1** Method: **SW8260**

MS Sample ID: **0608511-04AMS** Units: **µg/L** Analysis Date: **08/30/06 15:53**

Client ID: **G Lact MW4** Run ID: **VOA1_060830C** SeqNo: **939262** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	51.81	5.0	50	0	104	79.6-120	0			
1,1,2,2-Tetrachloroethane	50.7	5.0	50	0	101	78.9-121	0			
1,1,2-Trichloroethane	49.28	5.0	50	0	98.6	80-120	0			
1,1-Dichloroethane	47.3	5.0	50	0	94.6	74.2-122	0			
1,1-Dichloroethene	51.25	5.0	50	0	102	75.8-122	0			
1,1-Dichloropropene	49.37	5.0	50	0	98.7	80-120	0			
1,2-Dibromoethane	50.76	5.0	50	0	102	80-120	0			
1,2-Dichlorobenzene	48.53	5.0	50	0	97.1	80-120	0			
1,2-Dichloroethane	53.2	5.0	50	0	106	78.8-120	0			
Acrolein	102.1	20	100	0	102	68.9-129	0			
Acrylonitrile	55.3	10	100	0	55.3	68.8-129	0			S
Benzene	46.31	5.0	50	0.4801	91.7	80-120	0			
Bromodichloromethane	52.48	5.0	50	0	105	80-120	0			
Bromomethane	48.77	5.0	50	0	97.5	52.8-147	0			
Carbon tetrachloride	53.38	5.0	50	0	107	76.8-120	0			
Chlorobenzene	48.69	5.0	50	0	97.4	80-120	0			
Chloroform	49.63	5.0	50	0	99.3	80-120	0			
Chloromethane	41.04	5.0	50	0	82.1	63.5-133	0			
cis-1,2-Dichloroethene	48.1	5.0	50	0	96.2	80-120	0			
cis-1,3-Dichloropropene	51.03	5.0	50	0	102	80-120	0			
Dichlorodifluoromethane	47.26	5.0	50	0	94.5	68.6-126	0			
Ethylbenzene	47.61	5.0	50	0	95.2	80-120	0			
m,p-Xylene	94.16	10	100	0	94.2	80-120	0			
Methylene chloride	49.58	10	50	0	99.2	74.7-120	0			
o-Xylene	48.49	5.0	50	0	97	80-120	0			
Tetrachloroethene	48.88	5.0	50	0	97.8	80-120	0			
Toluene	46.31	5.0	50	0	92.6	80-120	0			
trans-1,2-Dichloroethene	41.01	5.0	50	0	82	75.9-122	0			
trans-1,3-Dichloropropene	51.87	5.0	50	0	104	80-120	0			
Trichloroethene	49.24	5.0	50	0	98.5	80-120	0			
Trichlorofluoromethane	53.17	5.0	50	0	106	70.3-126	0			
Vinyl chloride	45.41	2.0	50	0	90.8	76.2-121	0			
Surr: 1,2-Dichloroethane-d4	*56.25*	5.0	*50*	0	*113*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*51.56*	5.0	*50*	0	*103*	*72.4-125*	0			
Surr: Dibromofluoromethane	*56.42*	5.0	*50*	0	*113*	*71.2-125*	0			
Surr: Toluene-d8	*51.45*	5.0	*50*	0	*103*	*75-125*	0			

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CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41214** Instrument ID **VOA1** Method: **SW8260**

MSD Sample ID: **0608511-04AMSD** Units: **µg/L** Analysis Date: **08/30/06 16:22**

Client ID: **G Lact MW4** Run ID: **VOA1_060830C** SeqNo: **939263** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	43.61	5.0	50	0	87.2	79.6-120	51.81	17.2	20	
1,1,2,2-Tetrachloroethane	49.87	5.0	50	0	99.7	78.9-121	50.7	1.66	20	
1,1,2-Trichloroethane	47.67	5.0	50	0	95.3	80-120	49.28	3.33	20	
1,1-Dichloroethane	44.75	5.0	50	0	89.5	74.2-122	47.3	5.54	20	
1,1-Dichloroethene	43.25	5.0	50	0	86.5	75.8-122	51.25	16.9	20	
1,1-Dichloropropene	42.12	5.0	50	0	84.2	80-120	49.37	15.9	20	
1,2-Dibromoethane	51.22	5.0	50	0	102	80-120	50.76	0.907	20	
1,2-Dichlorobenzene	45.31	5.0	50	0	90.6	80-120	48.53	6.86	20	
1,2-Dichloroethane	51.94	5.0	50	0	104	78.8-120	53.2	2.4	20	
Acrolein	100	20	100	0	100	68.9-129	102.1	2.05	20	
Acrylonitrile	73.78	10	100	0	73.8	68.8-129	55.3	28.6	20	R
Benzene	44.63	5.0	50	0.4801	88.3	80-120	46.31	3.7	20	
Bromodichloromethane	52.17	5.0	50	0	104	80-120	52.48	0.589	20	
Bromomethane	52.26	5.0	50	0	105	52.8-147	48.77	6.91	20	
Carbon tetrachloride	42.13	5.0	50	0	84.3	76.8-120	53.38	23.6	20	R
Chlorobenzene	46.13	5.0	50	0	92.3	80-120	48.69	5.4	20	
Chloroform	48.58	5.0	50	0	97.2	80-120	49.63	2.13	20	
Chloromethane	39.28	5.0	50	0	78.6	63.5-133	41.04	4.4	20	
cis-1,2-Dichloroethene	47.23	5.0	50	0	94.5	80-120	48.1	1.82	20	
cis-1,3-Dichloropropene	51.2	5.0	50	0	102	80-120	51.03	0.326	20	
Dichlorodifluoromethane	35.89	5.0	50	0	71.8	68.6-126	47.26	27.3	20	R
Ethylbenzene	44.19	5.0	50	0	88.4	80-120	47.61	7.45	20	
m,p-Xylene	86.84	10	100	0	86.8	80-120	94.16	8.08	20	
Methylene chloride	48.88	10	50	0	97.8	74.7-120	49.58	1.43	20	
o-Xylene	45.62	5.0	50	0	91.2	80-120	48.49	6.1	20	
Tetrachloroethene	42.4	5.0	50	0	84.8	80-120	48.88	14.2	20	
Toluene	43.87	5.0	50	0	87.7	80-120	46.31	5.41	20	
trans-1,2-Dichloroethene	44.84	5.0	50	0	89.7	75.9-122	41.01	8.91	20	
trans-1,3-Dichloropropene	52.08	5.0	50	0	104	80-120	51.87	0.4	20	
Trichloroethene	46.41	5.0	50	0	92.8	80-120	49.24	5.91	20	
Trichlorofluoromethane	40.88	5.0	50	0	81.8	70.3-126	53.17	26.1	20	R
Vinyl chloride	39.38	2.0	50	0	78.8	76.2-121	45.41	14.2	20	
Surr: 1,2-Dichloroethane-d4	*56.65*	5.0	*50*	0	*113*	*70-125*	56.25	*0.701*	*20*	
Surr: 4-Bromofluorobenzene	*51.77*	5.0	*50*	0	*104*	*72.4-125*	51.56	*0.407*	*20*	
Surr: Dibromofluoromethane	*55.53*	5.0	*50*	0	*111*	*71.2-125*	56.42	*1.6*	*20*	
Surr: Toluene-d8	*52.35*	5.0	*50*	0	*105*	*75-125*	51.45	*1.74*	*20*	

The following samples were analyzed in this batch: 0608511-03A 0608511-04A 0608511-05A 0608511-06A 0608511-07A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41073** Instrument ID **WetChem** Method: **E150.1**

LCS Sample ID: **WCSW1-082606** Units: **pH units** Analysis Date: **08/26/06 0:00**

Client ID: Run ID: **WETCHEM_060826A** SeqNo: **935673** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.02	0.10	6	0	100	90-110		0		

DUP Sample ID: **0608511-01CDUP** Units: **pH units** Analysis Date: **08/26/06 0:00**

Client ID: **G Lact MW1** Run ID: **WETCHEM_060826A** SeqNo: **935680** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.67	0.10	0	0	0	0-0	6.65	0.3	20	H

The following samples were analyzed in this batch:

0608511-01C	0608511-02C	0608511-03C
0608511-04C	0608511-05C	0608511-06C

ND - Not Detected at the Reporting Limit
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CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41121** Instrument ID **UV-2450** Method: **E335.3**

MBLK Sample ID: **WBLKW1-082806** Units: **mg/L** Analysis Date: **08/28/06 16:30**
Client ID: Run ID: **UV-2450_060828A** SeqNo: **936928** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	ND	0.020								

LCS Sample ID: **WLCSW1-082806** Units: **mg/L** Analysis Date: **08/28/06 16:30**
Client ID: Run ID: **UV-2450_060828A** SeqNo: **936929** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	0.193	0.020	0.2	0	96.5	80-120	0			

MS Sample ID: **0608492-03AMS** Units: **mg/L** Analysis Date: **08/28/06 16:30**
Client ID: Run ID: **UV-2450_060828A** SeqNo: **936945** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	0.182	0.020	0.2	-0.003	92.5	80-120	0			

DUP Sample ID: **0608492-03ADUP** Units: **mg/L** Analysis Date: **08/28/06 16:30**
Client ID: Run ID: **UV-2450_060828A** SeqNo: **936944** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	ND	0.020	0	0	0	0-0	-0.003	0	20	

The following samples were analyzed in this batch: 0608511-01B 0608511-02B 0608511-03B 0608511-04B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41132** Instrument ID **Balance1** Method: **E160.1**

MBLK Sample ID: **WBLKW1** Units: **mg/L** Analysis Date: **08/29/06 0:00**

Client ID: Run ID: **BALANCE1_060829A** SeqNo: **937397** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	ND	10								

LCS Sample ID: **WLCSW1** Units: **mg/L** Analysis Date: **08/29/06 0:00**

Client ID: Run ID: **BALANCE1_060829A** SeqNo: **937398** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	924	10	1000	0	92.4	85-115	0			

DUP Sample ID: **0608511-01C DUP** Units: **mg/L** Analysis Date: **08/29/06 0:00**

Client ID: **G Lact MW1** Run ID: **BALANCE1_060829A** SeqNo: **937377** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	764	10	0	0	0	0-0	740	3.19	20	

The following samples were analyzed in this batch:

0608511-01C	0608511-02C	0608511-03C
0608511-04C	0608511-05C	0608511-06C

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41289** Instrument ID **UV-2450** Method: **E354.1**

MBLK Sample ID: **WBLKW1-082606** Units: **mg/L** Analysis Date: **08/26/06 0:00**
Client ID: Run ID: **UV-2450_060826A** SeqNo: **940768** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Nitrite	ND	0.010								

LCS Sample ID: **WLCSW1-082606** Units: **mg/L** Analysis Date: **08/26/06 0:00**
Client ID: Run ID: **UV-2450_060826A** SeqNo: **940769** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Nitrite	0.101	0.010	0.1	0	101	80-120	0			

MS Sample ID: **0608511-06CMS** Units: **mg/L** Analysis Date: **08/26/06 0:00**
Client ID: **Duplicate** Run ID: **UV-2450_060826A** SeqNo: **940782** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Nitrite	0.099	0.010	0.1	0.001	98	75-125	0			

DUP Sample ID: **0608511-06CDUP** Units: **mg/L** Analysis Date: **08/26/06 0:00**
Client ID: **Duplicate** Run ID: **UV-2450_060826A** SeqNo: **940781** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Nitrite	ND	0.010	0	0	0	0-0	0.001	0	20	

The following samples were analyzed in this batch:

0608511-01C	0608511-02C	0608511-03C
0608511-04C	0608511-05C	0608511-06C

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41321** Instrument ID **UV-2450** Method: **E335.3**

MBLK Sample ID: **WBLKW1-090106** Units: **mg/L** Analysis Date: **09/03/06 0:00**
Client ID: Run ID: **UV-2450_060903B** SeqNo: **941466** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	ND	0.020								

LCS Sample ID: **WLCSW1-090106** Units: **mg/L** Analysis Date: **09/03/06 0:00**
Client ID: Run ID: **UV-2450_060903B** SeqNo: **941467** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	0.211	0.020	0.2	0	106	80-120	0			

MS Sample ID: **0608605-01BMS** Units: **mg/L** Analysis Date: **09/03/06 0:00**
Client ID: Run ID: **UV-2450_060903B** SeqNo: **941480** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	0.204	0.020	0.2	-0.002	103	80-120	0			

MSD Sample ID: **0608605-01BMSD** Units: **mg/L** Analysis Date: **09/03/06 0:00**
Client ID: Run ID: **UV-2450_060903B** SeqNo: **941481** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	0.209	0.020	0.2	-0.002	106	80-120	0.204	2.42	20	

DUP Sample ID: **0608605-01BDUP** Units: **mg/L** Analysis Date: **09/03/06 0:00**
Client ID: Run ID: **UV-2450_060903B** SeqNo: **941479** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	ND	0.020	0	0	0	0-0	-0.002	0	20	

The following samples were analyzed in this batch: 0608511-05B 0608511-06B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41322** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW1-090206** Units: **mg/L** Analysis Date: **09/02/06 16:21**
Client ID: Run ID: **IC201_060902A** SeqNo: **941486** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	0.50								
Fluoride	ND	0.10								
Sulfate	ND	1.0								
Surr: Selenate (surr)	*5.057*	0.10	*5*	0	*101*	*85-115*	0			

LCS Sample ID: **WLCSW1-060-83-** Units: **mg/L** Analysis Date: **09/02/06 16:42**
Client ID: Run ID: **IC201_060902A** SeqNo: **941487** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.24	0.50	20	0	101	90-110	0			
Fluoride	4.257	0.10	4	0	106	90-110	0			
Sulfate	20.26	1.0	20	0	101	90-110	0			
Surr: Selenate (surr)	*5.051*	0.10	*5*	0	*101*	*85-115*	0			

LCSD Sample ID: **WLCSDW1-060-83** Units: **mg/L** Analysis Date: **09/02/06 17:04**
Client ID: Run ID: **IC201_060902A** SeqNo: **941488** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.26	0.50	20	0	101	90-110	20.24	0.123	20	
Fluoride	4.265	0.10	4	0	107	90-110	4.257	0.188	20	
Sulfate	20.28	1.0	20	0	101	90-110	20.26	0.123	20	
Surr: Selenate (surr)	*5.058*	0.10	*5*	0	*101*	*85-115*	5.051	*0.138*	*20*	

MS Sample ID: **0609004-01BMS** Units: **mg/L** Analysis Date: **09/02/06 18:10**
Client ID: Run ID: **IC201_060902A** SeqNo: **941491** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	34.41	0.50	10	25.05	93.6	80-120	0			
Fluoride	3.317	0.10	2	1.181	107	80-120	0			
Sulfate	137.5	1.0	10	130.8	67.8	80-120	0			SEO
Surr: Selenate (surr)	*4.889*	0.10	*5*	0	*97.8*	*80-120*	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41322** Instrument ID **IC201** Method: **E300**

MSD Sample ID: **0609004-01BMSD** Units: **mg/L** Analysis Date: **09/02/06 18:32**

Client ID: Run ID: **IC201_060902A** SeqNo: **941492** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	34.57	0.50	10	25.05	95.2	80-120	34.41	0.452	20	
Fluoride	3.356	0.10	2	1.181	109	80-120	3.317	1.17	20	
Sulfate	138.3	1.0	10	130.8	75.4	80-120	137.5	0.552	20	SEO
Surr: Selenate (surr)	*4.905*	0.10	*5*	0	*98.1*	*80-120*	4.889	*0.327*	*20*	

DUP Sample ID: **0609004-01BDUP** Units: **mg/L** Analysis Date: **09/02/06 17:48**

Client ID: Run ID: **IC201_060902A** SeqNo: **941490** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	25.01	0.50	0	0	0	0-0	25.05	0.148	20	
Fluoride	1.181	0.10	0	0	0	0-0	1.181	0	20	
Sulfate	130.6	1.0	0	0	0	0-0	130.8	0.101	20	E
Surr: Selenate (surr)	*4.819*	0.10	*5*	0	*96.4*	*80-120*	4.821	*0.0415*	*20*	

DUP Sample ID: **0609004-01BDUP** Units: **mg/L** Analysis Date: **09/02/06 20:00**

Client ID: Run ID: **IC201_060902A** SeqNo: **941496** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	25.86	2.5	0	0	0	0-0	25.97	0.417	20	
Fluoride	1.21	0.50	0	0	0	0-0	1.262	4.21	20	
Sulfate	134	5.0	0	0	0	0-0	138.6	3.39	20	
Surr: Selenate (surr)	*25*	0.50	*25*	0	*100*	*80-120*	24.96	*0.176*	*20*	

The following samples were analyzed in this batch: 0608511-01C, 0608511-02C, 0608511-03C, 0608511-04C, 0608511-05C

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Refcrenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41405** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW1-090506** Units: **mg/L** Analysis Date: **09/06/06 2:39**
Client ID: Run ID: **IC201_060905C** SeqNo: **943688** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	0.50								
Fluoride	ND	0.10								
Sulfate	ND	1.0								
Surr: Selenate (surr)	*5.282*	0.10	*5*	0	*106*	*85-115*	0			

LCS Sample ID: **WLCSW1-090506/** Units: **mg/L** Analysis Date: **09/06/06 3:00**
Client ID: Run ID: **IC201_060905C** SeqNo: **943691** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	21.3	0.50	20	0	106	90-110	0			
Fluoride	4.327	0.10	4	0	108	90-110	0			
Sulfate	21.27	1.0	20	0	106	90-110	0			
Surr: Selenate (surr)	*5.281*	0.10	*5*	0	*106*	*85-115*	0			

LCSD Sample ID: **WLCSDW1-09050** Units: **mg/L** Analysis Date: **09/06/06 3:22**
Client ID: Run ID: **IC201_060905C** SeqNo: **943692** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	21.3	0.50	20	0	106	90-110	21.3	0.00939	20	
Fluoride	4.324	0.10	4	0	108	90-110	4.327	0.0694	20	
Sulfate	21.25	1.0	20	0	106	90-110	21.27	0.103	20	
Surr: Selenate (surr)	*5.28*	0.10	*5*	0	*106*	*85-115*	5.281	*0.0189*	*20*	

MS Sample ID: **0608523-01BMS** Units: **mg/L** Analysis Date: **09/06/06 5:12**
Client ID: Run ID: **IC201_060905C** SeqNo: **943697** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	733.9	0.50	10	738.1	-42.7	80-120	0			SEO
Fluoride	2.529	0.10	2	0.162	118	80-120	0			
Sulfate	62.42	1.0	10	51.91	105	80-120	0			EO
Surr: Selenate (surr)	*5.051*	0.10	*5*	0	*101*	*80-120*	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41405** Instrument ID **IC201** Method: **E300**

MSD Sample ID: **0608523-01BMSD** Units: **mg/L** Analysis Date: **09/06/06 5:34**
Client ID: Run ID: **IC201_060905C** SeqNo: **943698** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	733	0.50	10	738.1	-50.9	80-120	733.9	0.112	20	SEO
Fluoride	2.547	0.10	2	0.162	119	80-120	2.529	0.709	20	
Sulfate	62.52	1.0	10	51.91	106	80-120	62.42	0.149	20	EO
Surr: Selenate (surr)	*5.055*	0.10	*5*	0	*101*	*80-120*	5.051	*0.0792*	*20*	

DUP Sample ID: **0608523-01BDUP** Units: **mg/L** Analysis Date: **09/06/06 10:41**
Client ID: Run ID: **IC201_060905C** SeqNo: **943672** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	723.3	5.0	0	0	0	0-0	720.7	0.359	20	E
Fluoride	ND	1.0	0	0	0	0-0	0.159	0	20	
Sulfate	50.09	10	0	0	0	0-0	50.53	0.867	20	
Surr: Selenate (surr)	*50.46*	1.0	*50*	0	*101*	*80-120*	50.56	*0.182*	*20*	

DUP Sample ID: **0608523-01BDUP** Units: **mg/L** Analysis Date: **09/06/06 4:50**
Client ID: Run ID: **IC201_060905C** SeqNo: **943696** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	738.6	0.50	0	0	0	0-0	738.1	0.0642	20	E
Fluoride	0.157	0.10	0	0	0	0-0	0.162	3.13	20	
Sulfate	51.97	1.0	0	0	0	0-0	51.91	0.121	20	E
Surr: Selenate (surr)	*5.038*	0.10	*5*	0	*101*	*80-120*	5.039	*0.0198*	*20*	

The following samples were analyzed in this batch: 0608511-06C

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41446** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW2-090606** Units: **mg/L** Analysis Date: **09/06/06 20:54**
Client ID: Run ID: **IC201_060906B** SeqNo: **944459** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	ND	0.10								
Surr: Selenate (surr)	*5.375*	0.10	*5*	0	*108*	*85-115*	0			

LCS Sample ID: **WLCSW2-090606/** Units: **mg/L** Analysis Date: **09/06/06 21:16**
Client ID: Run ID: **IC201_060906B** SeqNo: **944460** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	8.7	0.10	8	0	109	90-110	0			
Surr: Selenate (surr)	*5.26*	0.10	*5*	0	*105*	*85-115*	0			

LCSD Sample ID: **WLCSDW2-09060** Units: **mg/L** Analysis Date: **09/06/06 21:38**
Client ID: Run ID: **IC201_060906B** SeqNo: **944461** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	8.661	0.10	8	0	108	90-110	8.7	0.449	20	
Surr: Selenate (surr)	*5.248*	0.10	*5*	0	*105*	*85-115*	5.26	*0.228*	*20*	

MS Sample ID: **0609038-05AMS** Units: **mg/L** Analysis Date: **09/07/06 1:17**
Client ID: Run ID: **IC201_060906B** SeqNo: **944465** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	4.32	0.10	4	0	108	80-120	0			
Surr: Selenate (surr)	*5.15*	0.10	*5*	0	*103*	*80-120*	0			

MSD Sample ID: **0609038-05AMSD** Units: **mg/L** Analysis Date: **09/07/06 3:07**
Client ID: Run ID: **IC201_060906B** SeqNo: **944476** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	4.293	0.10	4	0	107	80-120	4.32	0.627	20	
Surr: Selenate (surr)	*5.142*	0.10	*5*	0	*103*	*80-120*	5.15	*0.155*	*20*	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: BBC International
Work Order: 0608511
Project: Hess Texaco

QC BATCH REPORT

Batch ID: **R41446** Instrument ID **IC201** Method: **E300**

DUP Sample ID: **0609038-05ADUP** Units: **mg/L** Analysis Date: **09/07/06 0:55**

Client ID: Run ID: **IC201_060906B** SeqNo: **944463** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	ND	0.10	0	0	0	0-0	0	0	20	
Surr: Selenate (surr)	*5.128*	0.10	*5*	0	*103*	*80-120*	5.116	*0.234*	*20*	
Dichloroacetic acid (surr)	ND	0.10	0	0	0	0-0	0	0	0	

The following samples were analyzed in this batch:

0608511-01C	0608511-02C	0608511-03C
0608511-04C	0608511-05C	0608511-06C

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

e-Lab Analytical
QUALITY · INTEGRITY · SERVICE
10450 Stancliff Rd. #210
Houston, Texas 77099
(Tel) 281.530.5656
(Fax) 281.530.5887

Chain of Custody Form

The Chain of Custody is a Legal Document. All information must be completed accurately.

3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

e-Lab Project Manager:

e-Lab Work Order #: 060851

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Texaco State G Lact	A	S-8260B Full Screen
Work Order		Project Number		B	8270C Full Screen
Company Name	BBC International	Bill To Company	Hess Corporation	C	601DB
Send Report To	Cliff Brunson	Invoice Attn	Randy Barnes	D	7471A
Address	1324 W. Marland	Address	P.O. Box 840	E	SM 4500CN C, E
City/State/Zip	Hobbs, NM 88240	City/State/Zip	Seminole, TX 79360	F	300.0
Phone	505-397-6388	Phone	432-758-6778	G	160.1
Fax	505-397-0397	Fax		H	150.1
e-Mail Address		e-Mail Address		I	
				J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	G Lact MW 1	8/23/06	1050	Water	8	2		✓									
2	G Lact MW 1	8/23/06	1101	Water	8	1						✓	✓	✓			
3	G Lact MW 1	8/23/06	1105	Water	4/7	1					✓						
4	G Lact MW 1	8/23/06	1115	Water	2	1			✓	✓							
5	G Lact MW 1	8/23/06	1119	Water	1	3	✓										
6	G Lact MW 2	8/23/06	1431	Water	2	1			✓	✓							
7	G Lact MW 2	8/23/06	1436	Water	8	2		✓									
8	G Lact MW 2	8/23/06	1446	Water	8	1						✓	✓	✓			
9	G Lact MW 2	8/23/06	1450	Water	4/7	1					✓						
10	G Lact MW 2	8/23/06	1453	Water	1	3	✓										

Sampler(s) Please Print & Sign: Amy C Ruth Amy C Ruth

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ Other ____ ☑ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: Amy C Ruth — Date: 8/25/06 — Time: 200pm

Received by:

Relinquished by: — Date: — Time:

Received by (Laboratory): 8/26/06 0815

Logged by (Laboratory): — Date: — Time:

Checked by (Laboratory):

Notes:

e-Lab Analytical Cooler ID	Trip Blank Number

QC Package: (Check One Box Below)
- ☐ Level II Std QC
- ☑ TRRP Checklist
- ☐ Level III Std QC/Raw Data
- ☐ TRRP Level IV
- ☐ Level IV SW846/CLP
- ☐ Other ____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.
2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse.

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e-Lab Project Manager:

e-Lab Work Order #: 060851

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name		A	S-8260B Full Screen
Work Order		Project Number		B	8270C Full Screen
Company Name	BBC International	Bill To Company	Hess Corporation	C	6010B
Send Report To	Cliff Brunson	Invoice Attn	Randy Barnes	D	7471A
Address	1324 W. Marland	Address	P.O. Box 840	E	SM 4500 CN C,E
				F	300.0
City/State/Zip	Hobbs, NM 88240	City/State/Zip	Seminole, TX 79360	G	160.1
Phone	505-397-6388	Phone	432-758-6778	H	150.1
Fax	505-397-0397	Fax		I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	G Lact MW 5	8/24/06	1003	Water	8	2		✓									
2	G Lact MW 5	8/24/06	1045	Water	8	1						✓	✓	✓			
3	G Lact MW 5	8/24/06	1054	Water	4/7	1					✓						
4	G Lact MW 5	8/24/06	1101	Water	2	1			✓	✓							
5	G Lact MW 5	8/24/06	1108	Water	1	3	✓										
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Amy C. Ruth Amy C Ruth

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☑ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by: Amy C Ruth Date: 8/25/06 Time: 200 pm

Relinquished by: Date: Time:

Received by:

Received by (Laboratory): 8/26/06 0935

Logged by (Laboratory): Date: Time:

Checked by (Laboratory):

Notes:

e-Lab Analytical Cooler ID	Trip Blank Number

QC Package: (Check One Box Below)

- ☐ Level II Std QC
- ☑ TRRP Checklist
- ☐ Level III Std QC/Raw Data
- ☐ TRRP Level IV
- ☐ Level IV SW846/CLP
- ☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

Page 1 of 2

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e-Lab Project Manager: | e-Lab Work Order #: 060851

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name		A	S-8260B Full Screen
Work Order		Project Number		B	8270C Full Screen
Company Name	BBC International	Bill To Company	Hess Corporation	C	6010B
Send Report To	Cliff Brunson	Invoice Attn	Randy Barnes	D	7471A
Address	1324 W. Marland	Address	P.O. Box 840	E	SM 4500 CN C,E
				F	300.0
City/State/Zip	Hobbs, NM 88240	City/State/Zip	Seminole, TX 79360	G	160.1
Phone	505-397-6388	Phone	432-758-6778	H	150.1
Fax	505-397-0397	Fax		I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	G Lact MW 4	8/24/06	1301	Water	8	2		✓									
2	G Lact MW 4	8/24/06	1308	Water	2	1			✓	✓							
3	G Lact MW 4	8/24/06	1314	Water	8	1						✓	✓	✓			
4	G Lact MW 4	8/24/06	1316	Water	4/7	1					✓						
5	G Lact MW 4	8/24/06	1320	Water	1	3	✓										
6	G Lact MW 6	8/24/06	1503	Water	2	1			✓	✓							
7	G Lact MW 6	8/24/06	1507	Water	8	1						✓	✓	✓			
8	G Lact MW 6	8/24/06	1508	Water	4/7	1					✓						
9	G Lact MW 6	8/24/06	1511	Water	1	3	✓										
10	G Lact MW 6	8/24/06	1454	Water	8	2		✓									

Sampler(s) Please Print & Sign: Amy C. Ruth (Amy C. Ruth)

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ Other ☑ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: Amy C. Ruth — Date: 8/25/06 — Time: 200 pm

Received by:

Relinquished by: — Date: — Time:

Received by (Laboratory): 8/26/06 0815

Notes:

Logged by (Laboratory): — Date: — Time:

Checked by (Laboratory):

e-Lab Analytical Cooler ID	Trip Blank Number

QC Package: (Check One Box Below)
☐ Level II Std QC ☑ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

Page 2 of 2

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e-Lab Project Manager: | e-Lab Work Order #: 06085

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name		A	S-8260B Full Screen
Work Order		Project Number		B	8270C Full Screen
Company Name	BBC International	Bill To Company	Hess Corporation	C	6010B
Send Report To	Cliff Brunson	Invoice Attn	Randy Barnes	D	7471A
Address	1324 W. Marland	Address	P.O. Box 840	E	SM 4500 CN C, E
				F	300.0
City/State/Zip	Hobbs, NM 88240	City/State/Zip	Seminole, TX 79360	G	160.1
Phone	505-397-6388	Phone	432-758-6778	H	150.1
Fax	505-397-0397	Fax		I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Duplicate	8/24/06		Water	1	3	✓										
2	Duplicate	8/24/06		Water	8	2		✓									
3	Duplicate	8/24/06		Water	2	1			✓	✓							
4	Duplicate	8/24/06		Water	4/7	1					✓						
5	Duplicate	8/24/06		Water	8	1						✓	✓	✓			
6	Equipment Rinsate	8/24/06	1545	Water	1	3	✓										
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Amy C. Ruth Amy Ruth

Shipment Method: FedEx

Required Turnaround Time: (Check Box) ☑ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other _____

Results Due Date:

Relinquished by: Amy Ruth Date: 8/25/06 Time: 200 pm

Received by:

Relinquished by: Date: Time:

Received by (Laboratory): 8260 08

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes:

e-Lab Analytical Cooler ID	Trip Blank Number

QC Package: (Check One Box Below)
☐ Level II Std QC ☑ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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e-Lab Analytical, Inc.

Sample Receipt Checklist

Client Name BBC | Date/Time Received: 8/26/2006 8:15:00 AM

Work Order Number 0608511 | Received by: RSZ

Checklist completed by RICHARD SARCHET 8/26/06 (Signature / Date) | Reviewed by (Initials) 8/30/06 (Date)

Matrix: W | Carrier name FedEx

Shipping container/cooler in good condition?	Yes ✔	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ✔
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ✔
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.7c, 2.9c	002	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐

Adjusted? | Checked by

Login Notes: Trip blank not on COC; logged in without analysis.

Client contacted | Date contacted: | Person contacted

Contacted by: | Regarding:

Comments:

Corrective Action

e-Lab Analytical, Inc.

Date: *December 20, 2006*

CLIENT: BBC International
Work Order: 0612163
Project: Texaco NM State G
Lab ID: 0612163-01

Client Sample ID: MW-3
Collection Date: 12/7/2006 1:03:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			**SW7470**		Prep Date: **12/18/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	12/18/2006 5:13:55 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **12/11/2006**	Analyst: **SA**
Aluminum	ND		0.0100	mg/L	1	12/12/2006 1:51:00 PM
Arsenic	**0.0310**		**0.00500**	**mg/L**	1	12/12/2006 1:51:00 PM
Barium	**0.234**		**0.00500**	**mg/L**	1	12/12/2006 1:51:00 PM
Boron	**0.379**		**0.0200**	**mg/L**	1	12/12/2006 1:51:00 PM
Cadmium	ND		0.00200	mg/L	1	12/12/2006 1:51:00 PM
Chromium	ND		0.00500	mg/L	1	12/12/2006 1:51:00 PM
Cobalt	ND		0.00500	mg/L	1	12/12/2006 1:51:00 PM
Copper	ND		0.00500	mg/L	1	12/12/2006 1:51:00 PM
Iron	**0.767**		**0.200**	**mg/L**	1	12/12/2006 1:51:00 PM
Lead	ND		0.00500	mg/L	1	12/12/2006 1:51:00 PM
Manganese	**2.18**	E	**0.00500**	**mg/L**	1	12/12/2006 1:51:00 PM
Molybdenum	**0.0149**		**0.00500**	**mg/L**	1	12/12/2006 1:51:00 PM
Nickel	**0.00856**		**0.00500**	**mg/L**	1	12/12/2006 1:51:00 PM
Selenium	ND		0.00500	mg/L	1	12/12/2006 1:51:00 PM
Silver	ND		0.00500	mg/L	1	12/12/2006 1:51:00 PM
Zinc	ND		0.00500	mg/L	1	12/12/2006 1:51:00 PM
SEMIVOLATILE ORGANICS BY GC/MS			**SW8270**		Prep Date: **12/9/2006**	Analyst: **HV**
1,2,4,5-Tetrachlorobenzene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
1,2-Diphenylhydrazine	ND		10	µg/L	1	12/13/2006 7:39:00 PM
1-Methylnaphthalene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
2,3,4,6-Tetrachlorophenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
2,4,5-Trichlorophenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
2,4,6-Trichlorophenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
2,4-Dichlorophenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
2,4-Dimethylphenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
2,4-Dinitrophenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
2,4-Dinitrotoluene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
2,6-Dichlorophenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
2-Chlorophenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
2-Methylnaphthalene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
2-Methylphenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
2-Nitrophenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
3&4-Methylphenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
3,3'-Dichlorobenzidine	ND		10	µg/L	1	12/13/2006 7:39:00 PM
4,6-Dinitro-2-methylphenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
4-Chloro-3-methylphenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - Duplicate results percent difference > 20%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *December 20, 2006*

CLIENT: BBC International
Work Order: 0612163
Project: Texaco NM State G
Lab ID: 0612163-01

Client Sample ID: MW-3
Collection Date: 12/7/2006 1:03:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
4-Nitrophenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Acenaphthene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Acenaphthylene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Anthracene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Benz(a)anthracene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Benzidine	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Benzo(a)pyrene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Benzo(b)fluoranthene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Benzo(g,h,i)perylene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Benzo(k)fluoranthene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Bis(2-chloroethyl)ether	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Bis(2-chloroisopropyl)ether	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Bis(2-ethylhexyl)phthalate	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Chrysene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Di-n-butyl phthalate	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Dibenz(a,h)anthracene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Diethyl phthalate	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Dimethyl phthalate	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Fluoranthene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Fluorene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Hexachlorobenzene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Hexachlorocyclopentadiene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Hexachloroethane	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Indeno(1,2,3-cd)pyrene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Isophorone	ND		10	µg/L	1	12/13/2006 7:39:00 PM
N-Nitroso-di-n-butylamine	ND		10	µg/L	1	12/13/2006 7:39:00 PM
N-Nitrosodiethylamine	ND		10	µg/L	1	12/13/2006 7:39:00 PM
N-Nitrosodimethylamine	ND		10	µg/L	1	12/13/2006 7:39:00 PM
N-Nitrosodiphenylamine	ND		10	µg/L	1	12/13/2006 7:39:00 PM
N-Nitrosopyrrolidine	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Naphthalene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Nitrobenzene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Pentachlorobenzene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Pentachlorophenol	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Phenanthrene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
Pyrene	ND		10	µg/L	1	12/13/2006 7:39:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *December 20, 2006*

CLIENT: BBC International
Work Order: 0612163
Project: Texaco NM State G
Lab ID: 0612163-01

Client Sample ID: MW-3
Collection Date: 12/7/2006 1:03:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethane	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Acrolein	ND		20	µg/L	1	12/13/2006 4:46:00 PM
Acrylonitrile	ND		10	µg/L	1	12/13/2006 4:46:00 PM
Benzene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Bromomethane	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Chlorobenzene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Chloroform	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Chloromethane	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Ethylbenzene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
m,p-Xylene	ND		10	µg/L	1	12/13/2006 4:46:00 PM
Methylene chloride	ND		10	µg/L	1	12/13/2006 4:46:00 PM
o-Xylene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Toluene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Trichloroethene	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	12/13/2006 4:46:00 PM
Vinyl chloride	ND		2.0	µg/L	1	12/13/2006 4:46:00 PM
Surr: 1,2-Dichloroethane-d4	*98.1*		*70-125*	*%REC*	1	12/13/2006 4:46:00 PM
Surr: 4-Bromofluorobenzene	*93.0*		*72.4-125*	*%REC*	1	12/13/2006 4:46:00 PM
Surr: Dibromofluoromethane	*94.4*		*71.2-125*	*%REC*	1	12/13/2006 4:46:00 PM
Surr: Toluene-d8	*90.8*		*75-125*	*%REC*	1	12/13/2006 4:46:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **LMD**
Chloride	**109**		**2.50**	**mg/L**	5	12/9/2006 4:22:00 PM
Fluoride	**2.13**		**0.100**	**mg/L**	1	12/9/2006 4:00:00 PM
Nitrogen, Nitrite (As N)	ND		0.100	mg/L	1	12/9/2006 4:00:00 PM
Sulfate	**17.4**		**1.00**	**mg/L**	1	12/9/2006 4:00:00 PM
Nitrate/Nitrite (as N)	**1.02**		**0.100**	**mg/L**	1	12/9/2006 4:00:00 PM
Surr: Selenate (surr)	*94.3*		*80-120*	*%REC*	1	12/9/2006 4:00:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *December 20, 2006*

CLIENT: BBC International
Work Order: 0612163
Project: Texaco NM State G
Lab ID: 0612163-01

Client Sample ID: MW-3
Collection Date: 12/7/2006 1:03:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*93.8*		*80-120*	*%REC*	5	12/9/2006 4:22:00 PM
CYANIDE, TOTAL			**E335.3**			Analyst: **LMD**
Cyanide	ND		0.0200	mg/L	1	12/18/2006
PH			**E150.1**			Analyst: **RPM**
pH	**6.96**	H	**0.100**	**pH units**	1	12/9/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **MAM**
Total Dissolved Solids (Residue, Filterable)	**526**		**10.0**	**mg/L**	1	12/9/2006

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Analyzed outside of Hold Time

APPENDIX III

Site Photographs

Texaco State "G" Lact Unit Battery #22
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

October, 2006

Prepared by:
BBC International, Inc.

Texaco State "G" Lact Unit Battery #22 Tank Battery Area

Texaco State "G" Lact Unit Battery #22 excavation of Burn Pit

Texaco State "G" Lact Unit Battery #22 Battery Excavation

Texaco State "G" Lact Unit Battery #22 Tank Battery Area and Burn Pit

Texaco State "G" Lact Unit Battery #22 Burn Pit

Texaco State "G" Lact Unit Battery #22 Burn Pit

Texaco State "G" Lact Unit Battery #22 drilling of SB3

Texaco State "G" Lact Unit Battery #22 Burn Pit with SB1 at bottom

Texaco State "G" Lact Unit Battery #22 drilling of MW2

Texaco State "G" Lact Unit Battery #22 excavation of Burn Pit rim

Texaco State "G" Lact Unit Battery #22 Burn Pit backfill of fines to 6' bgs

Texaco State "G" Lact Unit Battery #22 Burn Pit installation of clay liner

Texaco State "G" Lact Unit Battery #22 backfill of Burn Pit complete

APPENDIX IV

Drilling Logs

Texaco State "G" Lact Unit Battery #22
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

October, 2006

Prepared by:
BBC International, Inc.

BBC INTERNATIONAL
INCORPORATED

RECORD OF SUBSURFACE EXPLORATION

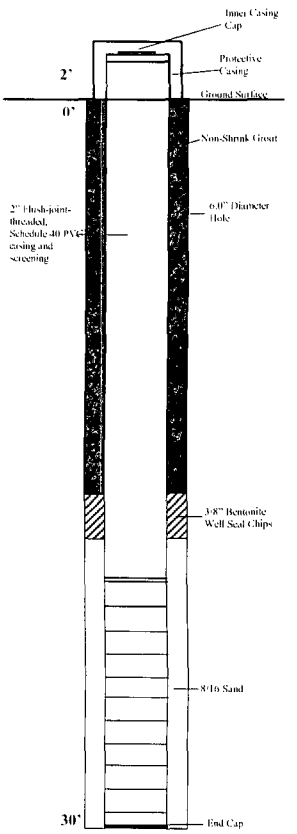
Project Name: Texaco NM State G Battery #22 **Project No.:**

Borehold Number: MW-1 **Logged by:** Alan Eades

Drilled by: Eades Drilling **Drilling/Rig Method(s):** Air Rotary

Date/Time Started: 6/06/06 14:30 **Date/Time Completed:** 6/06/06 17:00

Air Monitoring Type: **GWL Depth:**

Depth (feet)	Sample Number	Sample Interval	Sample Type	Sample Description	PID Readings (ppm)	USCS Symbol	Comments	Monitor Well Construction Detail
--0		0' – 2'		Top Soil				
-		2' – 6'		Caliche				
-- 5								
--10								
--15								
--20		6' - 30'		Sand				
--25								
--30								
--35								

Comments:

Technician Signature:

BBC INTERNATIONAL
INCORPORATED

RECORD OF SUBSURFACE EXPLORATION

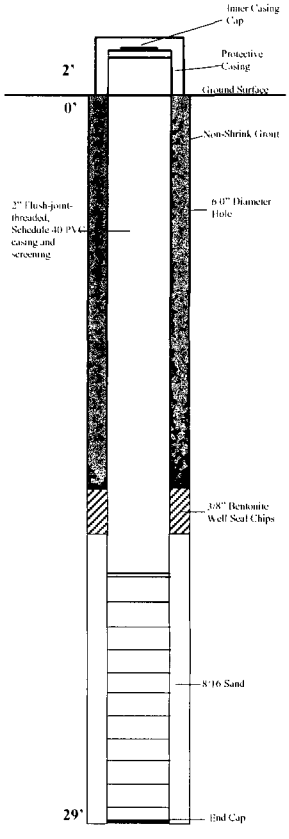
Project Name: Texaco NM State G Battery #22 **Project No.:**

Borehold Number: MW-2 **Logged by:** Alan Eades

Drilled by: Eades Drilling **Drilling/Rig Method(s):** Air Rotary

Date/Time Started: 6/08/06 16:30 **Date/Time Completed:** 6/09/06

Air Monitoring Type: **GWL Depth:**

Depth (feet)	Sample Number	Sample Interval	Sample Type	Sample Description	PID Readings (ppm)	USCS Symbol	Comments	Monitor Well Construction Detail
--0		0' – 2'		Top Soil				
-- 5		2' – 6'		Caliche				
--10								
--15								
--20		6' - 29'		Sand				
--25								
--30								
--35								

Comments:

Technician Signature:

BBC INTERNATIONAL
INCORPORATED

RECORD OF SUBSURFACE EXPLORATION

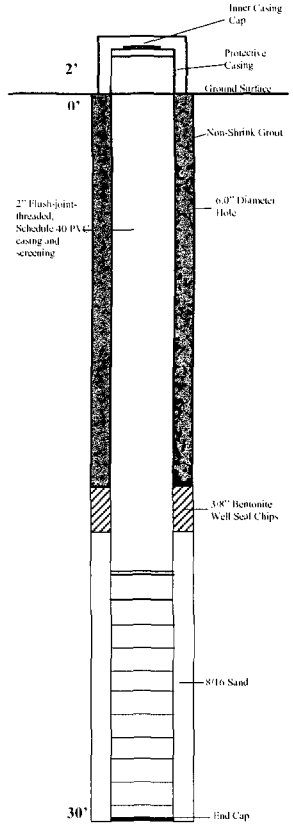
Project Name: Texaco NM State G Battery #22 **Project No.:**

Borehold Number: MW-3 **Logged by:** Alan Eades

Drilled by: Eades Drilling **Drilling/Rig Method(s):** Air Rotary

Date/Time Started: 6/08/06 11:15 **Date/Time Completed:** 6/09/06

Air Monitoring Type: **GWL Depth:**

Depth (feet)	Sample Number	Sample Interval	Sample Type	Sample Description	PID Readings (ppm)	USCS Symbol	Comments	Monitor Well Construction Detail
--0		0' – 2'		Top Soil				
-		2' – 6'		Caliche				
-- 5								
--10								
--15								
--20		6' - 30'		Sand				
--25								
--30								
--35								

Comments:

Technician Signature:

BBC INTERNATIONAL
INCORPORATED

RECORD OF SUBSURFACE EXPLORATION

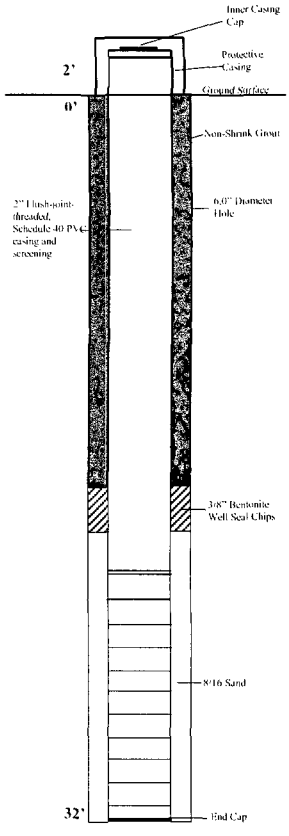
Project Name: Texaco NM State G Battery #22 **Project No.:**

Borehold Number: MW-4 **Logged by:** Alan Eades

Drilled by: Eades Drilling **Drilling/Rig Method(s):** Air Rotary

Date/Time Started: 7/10/06 12:15 **Date/Time Completed:** 7/10/06

Air Monitoring Type: **GWL Depth:**

Depth (feet)	Sample Number	Sample Interval	Sample Type	Sample Description	PID Readings (ppm)	USCS Symbol	Comments	Monitor Well Construction Detail
--0		0' – 2'		Top Soil				
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-		2' – 6'		Caliche				
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-		6' - 32'		Sand				
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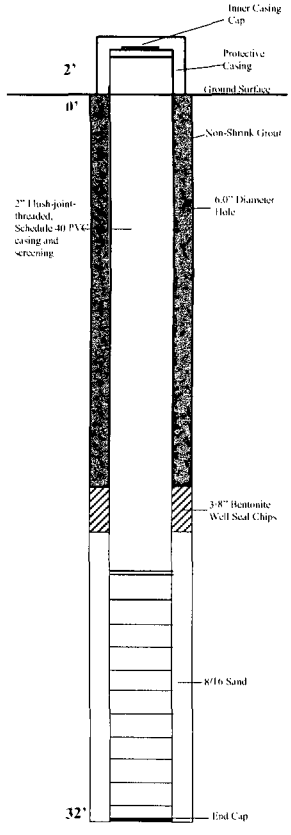
Comments:

Technician Signature:

BBC INTERNATIONAL
INCORPORATED

RECORD OF SUBSURFACE EXPLORATION

Project Name: Texaco NM State G Battery #22
Project No.:
Borehold Number: MW-5
Logged by: Alan Eades
Drilled by: Eades Drilling
Drilling/Rig Method(s): Air Rotary
Date/Time Started: 7/10/06 14:25
Date/Time Completed: 7/10/06
Air Monitoring Type:
GWL Depth:

Depth (feet)	Sample Number	Sample Interval	Sample Type	Sample Description	PID Readings (ppm)	USCS Symbol	Comments	Monitor Well Construction Detail
--0		0' – 2'		Top Soil				
-								
-		2' – 6'		Caliche				
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-		6' - 32'		Sand				
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Comments:

Technician Signature:

BBC INTERNATIONAL INCORPORATED

RECORD OF SUBSURFACE EXPLORATION

Project Name: Texaco NM State G Battery #22

Project No.:

Borehold Number: MW-6

Logged by: Alan Eades

Drilled by: Eades Drilling

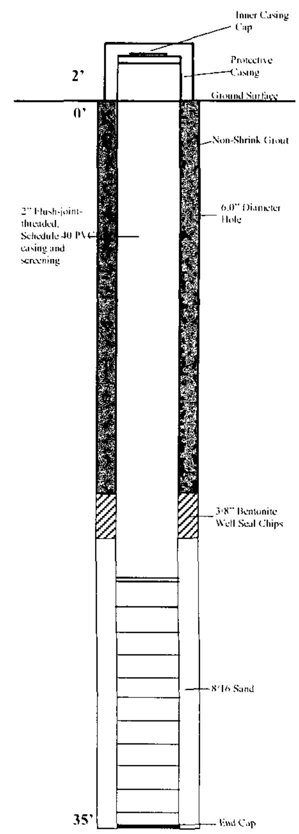
Drilling/Rig Method(s): Air Rotary

Date/Time Started: 7/10/06 15:53

Date/Time Completed: 7/10/06

Air Monitoring Type:

GWL Depth:

Depth (feet)	Sample Number	Sample Interval	Sample Type	Sample Description	PID Readings (ppm)	USCS Symbol	Comments	Monitor Well Construction Detail
--0								
		0' – 2'		Top Soil				
		2' – 6'		Caliche				
-- 5								
--10								
--15								
		6' - 35'		Sand				
--20								
--25								
--30								
--35								

Comments:

Technician Signature:

APPENDIX V

Correspondence

Texaco State "G" Lact Unit Battery #22
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

October, 2006

Prepared by:
BBC International, Inc.

Amy C. Ruth

From: Price, Wayne, EMNRD [wayne.price@state.nm.us]
Sent: Tuesday, July 11, 2006 12:03 PM
To: Cliff P. Brunson
Cc: Drew Hall ; Amy C. Ruth; Jennifer Gilkey
Subject: RE: Hess Corp - Texaco State G Lact Unit Battery 22 - AP-57

OCD hereby approves with the following condition:

1. This E-mail approval will be included in the Stage 1 proposal.
2. Notify the District office of future activities.

Please be advised that NMOCD approval of this plan does not relieve the owner/operator of responsibility should operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Monday, July 10, 2006 2:44 PM
To: Price, Wayne, EMNRD
Cc: Drew Hall ; Amy C. Ruth; Jennifer Gilkey
Subject: RE: Hess Corp - Texaco State G Lact Unit Battery 22 - AP-57

Wayne,

This message is to confirm our conversation on the morning of July 7, 2006, concerning the burn pit excavation at the Hess Texaco State G Lact Unit Battery site which has been assigned an abatement number of AP-57. As we discussed, Hess is requesting an emergency action to backfill this open excavation due to safety concerns. The excavation is 15 feet deep with sheer walls and poses a safety risk. The excavation will be backfilled with clean soil to six (6) feet below ground surface then a one foot thick compacted clay liner will be installed then covered with five (5) feet of clean top soil.

In addition to our conversation, I want to remind you that Hess will be advancing additional groundwater monitoring wells the week of July 10th to further delineate the hydrocarbon plume that exists on the water table. A Stage 1 Abatement Report will be submitted shortly after completion of the backfilling and installation of the additional monitoring wells. The Stage 1 report will include descriptions of all site activities, analytical data, site and potentiometric maps and all requirements for the abatement process. Hess will address remedial options for the groundwater and the remaining impacted soil in the bottom of the burn pit in consultation with you and in additional reports as we flow through the Abatement process.

I appreciate your cooperation and approval on this matter as the hydrocarbon impact is addressed and remediated.

Thanks,

Cliff

immediately notify the sender by e-mail or by collect telephone call to (505) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.
****

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland Blvd.
Hobbs, NM 88240 USA
Phone: (505) 397-6388
Fax: (505) 397-0397
E-mail: cbrunson@bbcinternational.com
Web: www.bbcinternational.com
****

Amy C. Ruth

From: Williams, Chris, EMNRD [chris.williams@state.nm.us]
Sent: Friday, December 01, 2006 2:49 PM
To: Amy C. Ruth
Subject: RE: Backfill Event - Hess Corp Abandoned Tank Battery in Monument

OK to backfill battery only. We will worry about the burn pit separately. Chris

Chris Williams
District I Supervisor

From: Amy C. Ruth [mailto:Amy@bbcinternational.com]
Sent: Fri 6/30/2006 10:51 AM
To: Williams, Chris, EMNRD
Cc: Sheeley, Paul, EMNRD; 'Barnes, Randy'; drewhall@hess.com; Jennifer; 'Cliff P. Brunson'
Subject: Backfill Event - Hess Corp Abandoned Tank Battery in Monument

Chris,

Per your conversation with Cliff Brunson yesterday afternoon, the battery site of the Texaco State G Lact Battery 22 will be backfilled beginning Wednesday, July 5, 2006. If you have any questions, please contact me.

Thank you,

Amy C. Ruth
Environmental Scientist
BBC International, Inc.
Phone: 505-397-6388
Cell: 505-441-5252

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

November 1, 2006

Hess Corporation
Attn: Drew Hall
P.O. Box 840
Seminole, Texas 79360

RE: Stage 1 Abatement Plan (AP-57) for the Texaco New Mexico State "G" Battery #22
Unit Letter N, Section 19, T19S, R37E, Lea County, New Mexico
AP057

Dear Mr. Hall:

The Oil Conservation Division (OCD) has received Hess Corporation's (Hess) Stage 1 Abatement Plan (AP-57) for the Texaco New Mexico State "G" Battery #22, dated October, 2006. The OCD has conducted an initial review of the Plan and cannot deem the Plan administratively complete because Hess has not submitted all the information required by Rule 19.E(3). I have attached a list of items that must be included as part of the Stage 1 Abatement Plan in accordance with Rule 19.E(3) (19.15.1 NMAC). Although the OCD cannot officially comment on technical issues until the Stage 1 Abatement Plan has been deemed administrative complete, the attached list offers some preliminary technical comments for your consideration.

Please address each item in the attached list and submit a revised Stage 1 Abatement Plan within 30 days of receipt of the this letter. Once these items have been adequately addressed, then the OCD can deem the Stage 1 Abatement Plan complete. Also, after the Stage 1 Abatement Plan is complete, then the OCD will advise you regarding the required Public Notice. If you have any questions regarding this matter, please call me at 505-476-3489.

Sincerely,

Edward J. Hansen
Hydrologist
Environmental Bureau

EJH:ejh

cc: Larry Johnson; OCD; Hobbs District Office
Cliff P. Brunson, CEI, CRS; President; BBC International, Inc.; Hobbs

AP-57: Stage 1 Abatement Plan
Administrative and Preliminary Technical Comments

1. Please describe in detail the nature of the release; i.e., describe what was released from where and when at the site. Also, please include in the Stage 1 Abatement Plan the Form C-141 for this site. [Rule 19.E.(3)(a)]

2. Provide additional information regarding the volume of material excavated of both the G Lact Pile and the Burn Pit Rim Spoils and the landfarm(s) where the material was disposed. Also, please provide additional information regarding the depth to which the Battery Area was excavated and the landfarm(s) where the material was disposed. [Rule 19.E.(3)(a)]

3. Regarding the backfilling: this was represented to the Division as an emergency situation and you were proceeding at risk. Please indicate the purpose of the clay liner. Provide the hydraulic conductivity and the source of the material used for the clay liner. Also, provide the source of the material for backfilling the Battery Area Excavation and the Associated Pit Excavation. [Rule 19.E.(3)(a)]

4. Please indicate in Table 1 if the soil samples labeled, "MW-4", are from the currently labeled bolehole, SB-4. Also, please correct the sample date from "6/12/06" to 6/8/06 for these corresponding samples. In addition, please indicate in Table 1 if the soil sample labeled "SB-2" is from the currently labeled monitoring well, MW-1. [Rule 19.E.(3)(a)]

5. Please include a brief description of the Ogallala Aquifer specific to the site, including hydraulic conductivity, probable aquifer thickness at the site, an estimated velocity of ground water flow (these values may be obtained from regional hydrologic studies). [Rule 19.E.(3)(b)]

6. Also, provide an inventory of water wells within one mile of the site; especially those wells that could be potentially impacted by the release (these well locations may be obtained from the website of the Office of the State Engineer: http://iwaters.ose.state.nm.us:7001/iWATERS/). [Rule 19.E.(3)(b)]

7. MW-5 and MW-6, the most downgradient monitoring wells indicate concentrations above the apparent background concentrations for various constituents (and also above the numeric ground water protection standard). Please include an east-west geological cross-section of the site and a north-south geological cross-section of the associated pit area. The cross-sections should include concentration isopleths for constituents of concern. Also, please include a site plan map with concentration isopleths for constituents of concern. [Rule 19.E.(3)(b)]

AP-57: Stage 1 Abatement Plan
Administrative and Preliminary Technical Comments

8. Please include a ground water monitoring plan that will be conducted as part of the Stage 1 Abatement Plan, including which monitoring wells will be sampled, which parameters will be analyzed, and at what frequency. The monitoring plan must include the sampling of ground water in monitoring wells even if NAPL is present. Also, please submit the ground water monitoring well construction diagrams for each well installed at the site. [Rule 19.E.(3)(c)]

9. Provide a schedule for further site investigation activities. Specifically, in the central portion of the Tank Battery Area there were TPH concentrations exceeding OCD's recommended remediation level of 100 mg/Kg (e.g., soil sample points: #4, #5, and #8) for this site. Also, in the area of the Associated Pit, TPH concentrations greater than the recommended remediation level were detected. Please indicate what further investigation will be conducted to delineate the TPH concentrations in these areas. [Rule 19.E.(3)(e)]

10. In addition, elevated concentrations of chloride were detected in SB-3, SB-4 and MW-3. Please indicate what further investigation will be conducted to delineate the chloride concentration in the vadose zone in the area of the Associated Pit. [Rule 19.E.(3)(e)]

11. Additional groundwater monitoring (e.g., MW-3) must be conducted to delineate the ground water contamination. This may also require additional ground water monitoring well to be installed at the site (e.g., downgradient of MW-6). [Rule 19.E.(3)(e)]

12. Provide the "survey" that was referenced in the letter from the abstract company that obtained the addresses of the surface owners. [Rule 19.G.(1)(a)]

APPENDIX VI

List of Surface Owners

Texaco State "G" Lact Unit Battery #22
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

October, 2006

Prepared by:
BBC International, Inc.

1819 N. Turner, Suite B
Hobbs, N.M. 88240
Phone (505) 393-7706
Fax (505) 393-7725

115 E. Washington
Lovington, N.M. 88260
Phone (505) 396-5846
Fax (505) 396-2490

ELLIOTT & WALDRON TITLE & ABSTRACT CO., INC.

August 29, 2006

BBC International
Mr. Cliff Brunson
1324 W. Marland Blvd
Hobbs, N.M.88240

Dear Cliff,

Pursuant to your request, please note the following names and addresses of the property owners located within the radius noted on the attached survey;

Portion located in Section 18, Township 19 South, Range 37 East
Jimmie T. Cooper and Betty B. Cooper Trust
Star Route A. Box 55
Monument, N.M. 88265

Portion located in Section 19, Township 19 South, Range 37 East
Jimmie T. Cooper and Betty B,
Box 55
Monument, N.M. 88265

Portion located in Section 13, Township 19 South, Range 36 East
El Paso Natural Gas Company
P.O. Box 1087
Colorado Springs, Co 80944

Portion located in Section 29, Township 19 South, Range 37 East
State of New Mexico Commissioner of Public Lands

Portion located in Section 24, Township 19 South, Range 36 East
Jimmie T. Cooper and Betty B. Cooper Trust
and Jimmie T. Cooper
Star Route A. Box 55
Monument, N.M. 88265

Portion located in Section 25, Township 19 South, Range 36 East
Betty Baum Cooper & Jimmie T. Cooper
Star Route A. Box 55
Monument, N.M. 88265

Portions located in Section 30, Township 19 South, Range 37 East;
Roy Stoffer
Box 201
Monument, N.M. 88265

Ernest D. Long
9529 W. Monument RD
Hobbs, N.M. 88240

H.F. Stephens
Box 24
Monument, N.M. 88265

Morris Shepard
General Delivery
Monument, N.M. 88265

C.E. Dickson
P.O. Box 166
Monument, N.M. 88265

DLD Corporation
3027 Point Clear Dr.
Fort Mill, SC 29715

Jacky C. & Loretta Byrd
2806 N. Fowler
Hobbs, N.M. 88240

Linda Dunn
P.O. Box 463
Hobbs, N.M. 88241

Marcos and Shawna Prada
P.O. Box 374
Hobbs, N.M. 88240

Danny A. Dickenson
1837 N. Steven Dr.
Hobbs, N.M. 88240

Stephen W. Barr
11424 State Hwy 322
Monument, NM 88265

Melanie & Chris Allen
P.O. Box 5
Monument, N.M. 88265

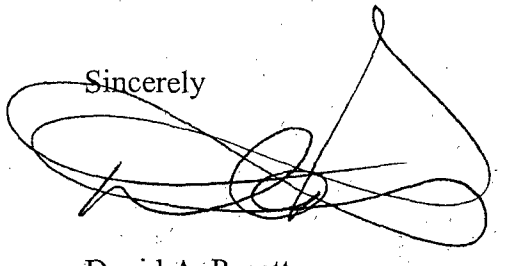
Mike Foreman
P.O. Box 193
Monument, N.M. 88265

Jose & Leticia Martinez
1004 E. Clinton
Hobbs, N.M. 88240

Brad Graj
P.O. Box 2550
Hobbs, N.M. 88241

If you should need any further information please do not hesitate to give me a call.

Sincerely



David A. Pyeatt

DAP/ sf

APPENDIX VII

C-141 Form

Texaco State "G" Lact Unit Battery #22
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

December, 2006

Prepared by:
BBC International, Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Hess Corporation	Contact Randy Barnes
Address P.O. Box 840, Seminole, TX 79360	Telephone No. (432) 758-6778
Facility Name Texaco New Mexico G State Battery #22	Facility Type Abandoned Tank Battery

Surface Owner State	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	19	19S	37E					Lea

Latitude 32° 38.424' **Longitude** 103° 17.668'

NATURE OF RELEASE

Type of Release Historical	Volume of Release Unknown	Volume Recovered Unknown
Source of Release Unknown	Date and Hour of Occurrence Unk	Date and Hour of Discovery Unknown
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Hydrocarbon contamination of soil by oil production activities. Site investigation was conducted in preparation for cleanup activities. A remediation plan was developed.

Describe Area Affected and Cleanup Action Taken.*

Contaminated soil was removed from the site and taken to a NMOCD approved landfarm. Groundwater monitoring wells were installed, purged, and sampled. Before backfilling, closing samples were collected to confirm compliance to guidelines. The site was backfilled with clean soil and contoured.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Amy C. Ruth	OIL CONSERVATION DIVISION
Printed Name: Amy C. Ruth	Approved by District Supervisor:
Title: Environmental Scientist	Approval Date: / Expiration Date:
E-mail Address: amy@bbcinternational.com	Conditions of Approval: / Attached ☐
Date: 12/21/06 Phone: (505) 397-6388	

* Attach Additional Sheets If Necessary

APPENDIX VIII

Permeability Report

Texaco State "G" Lact Unit Battery #22

Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

December, 2006

Prepared by:
BBC International, Inc.

LABORATORY TEST REPORT

PETTIGREW and ASSOCIATES, P.A.
1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827

AASHTO R18
DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To:	Amerada Hess Corporation P.O. Box 840 Seminole, TX 79360	**Material:**	Native Soils
		Type of Test:	Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter ASTM: D 2434 TEST CONDUCTED BY A SUBCONTRACTED COMPANY
Project:	Battery 22 Project No. 2006.1174		
Date:	December 20, 2006	**Sample Location:**	Cooper Pit

Sample Prep: Remolded to 95% Max Dry Density and Optimum Moisture

Target: Max Dry Density D698A 93.8 pcf @ 26.5 Optimum Moisture

Average Permeability	9.85E-07 cm/sec
Initial Length of Specimen	7.15 cm
Initial Diameter of Specimen	7.15 cm
Initial Water Content	21.6%
Initial Dry Unit Weight	92.7 pcf
Initial Volume	17.52 cu.in
Permeant Liquid	Bottled Water
Magnitude of Total Back Pressure	63.9 psi
Effective Consolidation Stress	5 psi
Range of Hydraulic Gradient Used	23.3 to 12.2
Final Length of Specimen	7.16 cm
Final Diameter of Specimen	7.26 cm
Final Water Content	28.9%
Final Dry Unit Weight	89.8 pcf
Final Volume	18.09 cu.in
Degree of Saturation (Before and After Test)	77% and 95%
Specific Gravity Used In Calculations of Saturation	2.551

Date Sampled: 12/4/06

Lab No.: 06 12058

Copies To: Amerada Hess

PETTIGREW & ASSOCIATES

BY: _____

BY: _____ P.E.

APPENDIX IX

Location of Water Wells in 1 Mile Radius

Texaco State "G" Lact Unit Battery #22

Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

December, 2006

Prepared by:
BBC International, Inc.

APPENDIX VIII

Permeability Report

Texaco State "G" Lact Unit Battery #22
Monument, New Mexico

Prepared for:
Hess Corporation
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December, 2006

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APPENDIX IX

Location of Water Wells in 1 Mile Radius

Texaco State "G" Lact Unit Battery #22
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

December, 2006

Prepared by:
BBC International, Inc.

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S Range: 37E Sections: 17,,18,,19,,20,,29,,30

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

WATER COLUMN REPORT 11/27/2006

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column (in feet)
L 06933 (E)	19S	37E	17	4	2	3				100	65	35
L 02033	19S	37E	18	1	1	1				134	35	99
L 10271 EXPL	19S	37E	18	1	1	1				137	70	67
L 04313 APPRO	19S	37E	19	1	1					116	52	64
L 04313	19S	37E	19	1	1					116	52	64
L 10277	19S	37E	19	4	2	2				70	40	30
L 03949 APPRO	19S	37E	29							36	18	18
L 03922 APPRO	19S	37E	29							42	22	20
L 03949	19S	37E	29							36	18	18
L 03956 APPRO	19S	37E	29							40	20	20
L 03922	19S	37E	29							42	22	20
L 03956	19S	37E	29							40	20	20
L 02596 APPRO	19S	37E	29	3	2					50	20	30
L 02596	19S	37E	29	3	2					50	20	30
L 04799 REPAR	19S	37E	29	4	4					150		
L 04799	19S	37E	29	4	4					150		
L 05500	19S	37E	29	4	4	2				55		
L 03954 APPRO	19S	37E	30	4	4					35	20	15
L 03995	19S	37E	30	4	4					35	20	15
L 03954	19S	37E	30	4	4					35	20	15
L 03906 APPRO	19S	37E	30	4	4					35	20	15
L 03905 APPRO	19S	37E	30	4	4					35	20	15
L 03995 APPRO	19S	37E	30	4	4					35	20	15
L 03905	19S	37E	30	4	4					35	20	15
L 03906	19S	37E	30	4	4					35	20	15
L 05995	19S	37E	30	4	4	4				40	23	17

Record Count: 26

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S Range: 36E Sections: 13,,24,,25

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

WATER COLUMN REPORT 11/27/2006

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column (in feet)
L 04772 EXPL	19S	36E	24							130	70	60
L 11029	19S	36E	24	4	2					75	59	16

Record Count: 2

Water Resources

National Water Information System: Web Interface

Data Category: Ground Water | Geographic Area: New Mexico | GO

Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

Agency code = usgs
site_no list = • 323847103174701

Save file of selected sites to local disk for future upload

USGS 323847103174701 19S.37E.19.113211

Lea County, New Mexico
Latitude 32°38'47", Longitude 103°17'47" NAD27
Land-surface elevation 3,703.00 feet above sea level
NGVD29
The depth of the well is 116 feet below land surface.
This well is completed in the OGALLALA FORMATION (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	Water level, feet below land surface	Status
1961-02-23		54.95	
1966-02-11		56.75	
1971-01-15		57.58	P
1976-02-04		57.87	
1981-01-16		56.77	
1986-01-08		57.34	
1991-02-22		55.58	
1996-03-06		57.31	

Questions about data?
Feedback on this web site
Ground water for New Mexico: Water Levels
http://waterdata.usgs.gov/nm/nwis/gwlevels?

Top
Explanation of terms

Retrieved on 2006-11-27 16:10:56 EST
Department of the Interior, U.S. Geological Survey
USGS Water Resources of New Mexico
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1.41 1.37 nadww01