REDACTED VERSION

FORT WOLTERS CRIMINAL JUSTICE PROPERTY
PHASE II ENVIRONMENTAL SITE ASSESSMENT
TARGETED BROWNFIELDS ASSESSMENT (TBA)
MINERAL WELLS, TEXAS 76067

Former Fort Wolters Motor Pool
Cross Post Road and Grant Road
Mineral Wells (Parker County), Texas 76067

Prepared for:

U.S. Army Corps of Engineers (USACE)
Fort Worth District
819 Taylor Street, Room 2A19
Fort Worth, Texas 76102-0300

Contract No.W9126G-10-P-0131

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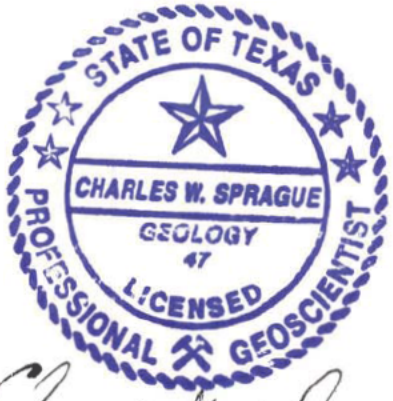

November 2011

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Abbreviations and Acronyms

bgs	Below Ground Surface
C_n	An aliphatic, or chain, organic compound with n carbon atoms
CoC	Chain of Custody
COC	Chemical of Concern
DOT	Department of Transportation
dse	Dougherty Sprague Environmental, Inc.
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
GSA	General Services Administration
IDW	Investigation Derived Waste
MDL	Method Detection Limit
mg/Kg	Miligrams per Kilogram
µg/Kg	Micrograms per Kilogram
PAH	Polyaromatic Hydrocarbon
PCB	Polychlorinated Biphenyls
PCL	Protective Concentration Level
PID	Photoionization detector
PST	Petroleum Storage Tank
RCRA	Resource Conservation and Recovery Act
Site	Former Fort Wolters TDCJ Property
SDL	Sample Detection Limit
SQL	Sample Quantitation Limit
SVOCs	Semi-volatile Organic Compounds
TAC	Texas Administrative Code
TBA	Targeted Brownfields Assessment
TBPG	Texas Board of Professional Geoscientists
TCEQ	Texas Commission on Environmental Quality
TD	Total Depth
TDJC	Texas Department of Criminal Justice
TPH	Total Petroleum Hydrocarbons
TRRP	Texas Risk Reduction Program
VOCs	Volatile Organic Compounds

1.0 Introduction

The City of Mineral Wells requested that the U.S. Environmental Protection Agency, Region 6 (EPA) conduct a Phase II Environmental Site Assessment Targeted Brownfields Assessment (TBA) on a property located at Cross Post Road and Grant Road, Mineral Wells, Texas, 76067, (Site) which contains the former truck motor pool and classroom buildings used when the Former Fort Wolters was the U.S. Army's Primary Helicopter School. The Site is currently owned by the Texas Department of criminal Justice (TDCJ). The City would like to acquire the Site from the TDCJ if they can determine the potential of on-site contamination and any environmental cleanup liabilities.

Dougherty Sprague Environmental, Inc. (**dse**) was contracted by the U. S. Army Corps of Engineers Fort Worth District (USACE) to prepare this report to summarize the results from the TBA conducted in August 2011 at the Site. The efforts conducted at the Site were described in the Quality Assurance Project Plan and Work Plan for TBA Phase II Environmental Site Assessment by **dse** in July 2011. Figure 1 depicts the location of the Site and Figure 2, Appendix A, depicts the vicinity of the Site and the approximate locations of soil borings installed and the locations of surface soil samples collected.

1.1 Site Description

Based on the report entitled "Targeted Brownfields Assessment and Phase I Environmental Site Assessment, Fort Wolters, Texas Department of Criminal Justice Property, 16.37 Acre Tract, Mineral Wells, TX 76067," issued by Dougherty Sprague Environmental, Inc. on 19 November 2010, the Site is comprised of approximately 16.37 acres of land located at Cross Post Road and Grant Road, Mineral Wells, Parker County, Texas. The Site latitude and longitude are 32.837479ºN and -098.056540ºW. The Site is improved with eight buildings, three within the motor pool area and five outside the motor pool area, and a paved area. The three buildings inside the fenced motor pool area were used for fueling or maintenance of trucks, and the five 'outside' buildings were used for classrooms for helicopter pilot training. The Site is approximately triangular in shape and is bordered along its southeastern side with an intermittent stream. Grant Road borders the north side of the Site and Cross Post Road is along the west border of the Site.

An historical review conducted for the Phase I ESA referenced above indicated that the Site was improved with five buildings prior to 1959 with the remaining three buildings added between 1964 and 1976. Currently, the Site is located in an area of mixed development, which includes commercial/retail businesses and vacant land.

Fort Wolters was deactivated in 1975 and part of the land and facilities became the property of the City of Mineral Wells and private businessmen; ninety acres and thirteen buildings became the Education Center of Weatherford College. A portion of the land was transferred to the State of Texas for development as part of Lake Mineral Wells State Park. Most of the Fort Wolters property is managed by the City of Mineral Wells.

According to the Mineral Wells City Manager, Mr. Lance Howerton the Site belonged to the General Services Administration (GSA), which sold it to Weatherford College. The Mineral Wells East Topographic Map, dated 1984, designates the Subject Property as "Weatherford College

(West Campus)". During **dse's** Phase I ESA a 1976 calendar was observed on the wall in one of the buildings, indicating that the site was occupied at that time. It appears that Weatherford College used the Subject Property to teach welding and engine repair. The College returned the Subject Property to the GSA, which sold it to the Texas Department of Criminal Justice (TDCJ) in 1990. The Subject Property is currently 'deed restricted' to use as a detention site as long as it is owned by the TDCJ. The TDCJ has never made use of the Subject Property.

Phase I ESA RECs

The intent of this Phase II ESA was to investigate the RECs noted by a previous Phase I ESA. Based on the report entitled "Targeted Brownfields Assessment and Phase I Environmental Site Assessment, Fort Wolters, Texas Department of Criminal Justice Property, 16.37 Acre Tract, Mineral Wells, TX 76067," issued by Dougherty Sprague Environmental, Inc. on 19 November 2010, the following RECs were noted on or near the subject Site:

Onsite Concerns

The Subject Property originally operated as a motor pool and classroom facility for Fort Wolters, and later as an adult education facility for Weatherford Education Center where welding and engine repair were taught. The Subject Property has been vacant for at least 20 years. Potential onsite RECs that were identified during review of historical information, interviews about the Subject Property's prior use, and **dse's** onsite reconnaissance, include:

- Four onsite USTs:
  - Two former USTs were removed from near Building 578 in 1991, with associated fuel pump and piping removed in 1994.
  - Two USTs at the "Tank 567" location with no documentation of removal. The "Tank 567" location is located in the northeast corner of the Subject Property. The only information found for "Tank 567" was an old 'tank list' indicating that "Tank 567" included two 7,500-gallon oil storage USTs installed in 1961 and 1964. "Removed" was hand-written across the "Tank 567" listing. However, "Tank 567" does not appear on the USACE map that designates where multiple USTs were removed from Fort Wolters in 1991. Ms. Post did not know why "Tank 567" was missing from the tank removal map. To her knowledge the two oil storage USTs were more than likely removed at the same time as the other tanks in 1991, but no definitive documentation has been discovered or provided to verify that conjecture.
- A sub-grade hydraulic lift and a possible fluid collection pit were located in Building 541.
- A few drums and/or containers of oil or related automotive chemicals were observed in Buildings 540, 541, and 578, and an open drum containing used oil filters was observed outside, immediately south of Building 541.
- Drains in the former vehicle wash area outside Building 541 may connect to sand and/or oil traps.

Offsite Concerns

The following off-site suspect RECs were discovered during the records review of regulatory databases or historical information:

- No listed LPST facilities were identified on the EDR LPST database within ½ mile. However, three LPST facilities were identified on the TCEQ LPST Database.
    - Three additional LPST sites identified on the TCEQ LPST Database:
        - Tanks 557A through E were located at Fort Wolters Building 557, approximately 220 feet north-northwest of and up-gradient to the Subject Property. Tanks at that location were removed in 1991. Review of TCEQ LPST data for the location indicates that groundwater was impacted; however, there were no threats or impacts to receptors. The case was closed.
        - Tank 566A was located at Fort Wolters Building 566, approximately 440 feet north-northwest of and up-gradient to the Subject Property. The tank at that location was removed in 1991. Review of the TCEQ LPST data for the location indicates that groundwater was impacted; however, there were no threats or impacts to receptors. The case was closed.
        - Tanks 535A, B, C and D were located at Fort Wolters Building 535, approximately 469 feet northwest and up-gradient to cross-gradient from the Subject Property. The tanks at that location were removed in 1991. Review of the TCEQ LPST data for the location indicates that groundwater was impacted; however, there were no threats or impacts to receptors. The case was closed.

- No listed Registered Underground Storage Tanks (USTs) facilities were identified on EDR's UST database within ½ mile. However, review of information provided by the USACE indicated two former USTs that were previously located on the Subject Property, two USTs that may or may not still be on the Subject Property (Tank 567), and former USTs that had been located at Buildings 505, 515, 525, 535, 546, 557, 566, and 572. The tanks from all of those locations were removed in 1991, and three of the USACE sites are addressed under the LPST discussion above. Reportedly, the tanks removed by USACE were installed at Fort Wolters in the 1950s/1960s.
    - Actual tank registrations identified on the TCEQ Registered Petroleum Storage Tank Database website included:
        - BJ Chemical Services, 553 Grant Road, approximately 200 to 250 feet north-northwest of the Subject Property. Eight registered USTs that were installed in 1980, were removed from that facility in 1996 (three 10,000-gallon diesel, one 6,000-gallon gasoline, one 1,000-gallon new oil, one 550-gallon new oil, one 300-gallon used oil, and one 250-gallon used oil).
        - Fort Wolters is on the PST database (Facility ID 61461) for having two USTs installed in 1987 under the ownership of the US Department of the Army (Owner ID 38641). According to Ms. Post, this is actually a Corps of Engineers ID number. Ms. Post stated that the only tanks the USACE would have registered were those being removed. The database indicates these tanks were removed in 1991, at the same time all of the USACE tanks were removed from Fort Wolters. Although there is no address or location information, Ms. Post believes these USTs were probably those located at Building 535 as that site required additional work. The former tanks at

Building 535 do appear on the LPST list and are further discussed in the LPST section above.

- Twenty-three (23) non-plotted (orphan) listings/facilities were also listed in the regulatory database search and individually reviewed. These listings/facilities included six LPSTs, three ASTs, two USTs, two TRIS, two FINDS, two Tier 2, two SWF/LF, one RCRA-Non-Generator, one IHW, one SPILLS, one ENF, and one MINES.

  Two of the LPST sites and one of the FINDS sites are discussed under the LPST and RCRA-SQG sections, respectively, above. After review, it appears that each of the nineteen (19) remaining orphan listed facilities was located outside of ASTM search distances of each relevant database.

- No additional off-site suspect RECs were discovered during the records review of regulatory databases or historical information, or during the site and area reconnaissance or interviews.

Conclusions Regarding Recognized Environmental Conditions

The opinions of the Environmental Professional regarding known or suspect RECs are presented below.

Onsite

- Review of documentation for the removal of the two USTs (1991) and associated piping, fuel pumps and dispensing islands (1994) from near Building 578 (**Photo #20**), indicates that the TCEQ issued closure for both removal activities. The documentation indicates that one of the USTs had contained diesel and the other had contained leaded gasoline. However, the closure activities occurred prior to the establishment of current regulatory closure standards; therefore, the former onsite USTs and associated features *do present* a REC to the Subject Property.
- With no documentation other than a hand-written note regarding removal of the two oil storage "Tank 567" USTs (**Photos #36 and #37**), it was not possible to determine if the tanks were or their contents were actually removed. Therefore, the "Tank #567" USTs *do present* a REC to the Subject Property.
- The sub-grade hydraulic lift and fluid collection pit in Building 541 (**Photos #11 and #12**) *do present* a potential REC to the Subject Property. Potential contents would be hydraulic oil, and pre-1965 hydraulic oil could contain PCBs.
- The drums and/or containers of oil or related automotive chemicals observed in Buildings 540 (**Photo #4**), 541 (**Photos #10, #13, and #14**), and 578 (**Photo #21**) *do present* a potential REC to the Subject Property.
- The potential presence of sand and/or oil traps connecting to the drains in the vehicle wash area (**Photo #17**) outside Building 541 and potential connection to a septic system *does present* a potential REC to the Subject Property.
- No other onsite suspect RECs were discovered during the records review of regulatory databases or historical information or during the site and area reconnaissance or interviews.

Offsite

- LPST Sites
  - Tanks 557A through E: In spite of the closed case status, based on proximity, up-gradient position relative to the Subject Property, and groundwater impact, the former Fort Wolters UST site Tanks 557A through E *does present* a potential REC to the Subject Property.
  - Tank 566A: In spite of the closed case status, based on proximity, up-gradient position relative to the Subject Property, and groundwater impact (depth to groundwater was noted as 6 feet below surface), the former Fort Wolters UST site Tank 566A *does present* a potential REC to the Subject Property.
  - Tanks 535A, B, C and D: In spite of the closed case status, based on proximity, potentially up-gradient position relative to the Subject Property, and groundwater impact (depth to groundwater was noted as 9 feet below surface), the former Fort Wolters UST site Tanks 535A, B, C and D *does present* a potential REC to the Subject Property.
- UST Sites
  - BJ Services Company: In spite of the non-leaking status and removal of the USTs more than 12 years ago, due to proximity and upgradient position relative to the Subject Property, the former USTs at the BJ Services facility *does present* a potential REC to the Subject Property.
  - Registered Fort Wolters USTs: In spite of the closed case status, based on proximity, potentially up-gradient position relative to the Subject Property, and groundwater impact (depth to groundwater was noted as 9 feet below surface), the former Fort Wolters UST site (Tanks 535A, B, C and D) *does present* a potential REC to the Subject Property.
- No other off-site suspect RECs were discovered during the records review of regulatory databases or historical information or during the site and area reconnaissance or interviews.

Onsite Business Environmental Risk (BER):

No transformers were observed onsite during **dse's** site reconnaissance. Poles and electrical lines were observed, but no pole-mounted transformers were noted in connection with the poles. However, electricity is reportedly supplied to the Subject Property by Oncor, Texas Utilities' (TXU) electric delivery group.

Conclusion Regarding Onsite BER:

The opinion of the Environmental Professional regarding a known or suspect BER is presented below.

- If vegetation is cleared, it is possible that transformers may be identified. Due to the age of the facility there is a potential for PCBs to be present in the units' dielectric fluids. These units should be the responsibility of the owning utility. Potential for undiscovered transformers onsite presents a Business Environmental Risk (BER) to the Subject Property

2.0 Field Work Overview

A brief overview of the field work conducted by **dse** in August 2011 is presented in the following sections. Field activities at the Site included installation of soil borings, collection and screening by photoionization detector (PID) of soil samples from soil borings, and the collection of surface soil samples from various areas around the Site. Figure 2, Appendix A, shows all soil boring and surface soil sampling locations at the site.

Prior to the start of daily field activities, the Ion Phocheck Model 1000 photoionization detector (PID) was calibrated utilizing 100 ppm span gas and a manufacturer specified regulator.

2.1 Soil Boring Installation, Surface Sample Collection, and Rationale

After having the Site cleared for subsurface utilities, field operations commenced on 17 AUG 2011 and continued through 18 AUG 2011. During 17 and 18 AUG 2011, **dse** personnel selected locations for ten soil borings (SB-1 through SB-10) as proposed in the approved Work Plan, dated 14 JUL 2011, and prepared for this Phase II ESA (see Figure 2 for soil boring locations):

- Two soil borings were to be placed near the location of the former USTs near Building 578; one was to be converted to a monitor well.
- One soil boring was to be located near the former Tank #567 location and it was to be converted to a monitor well.
- Two soil borings were to be located near the Vehicle Wash Area outside Building 541 on the south side and one was to be converted to a monitor well.
- One soil boring was to be located inside Building 541 near the hydraulic lift and possible fluid collection area; it was not to be converted to a monitor well.
- One soil boring was to be located near the Vehicle Wash Area outside Building 541 on the north side: it was not to be converted to a monitor well.
- Two soil borings, converted to monitor wells, were to be placed along the northern side of the Site, near Grant Road in order to have a presumed upgradient sample and to check for any impact from upgradient sources. One was to be placed near the northwest corner of the subject site and the second was to be placed in the center of the northern side of the subject property.
- One soil boring, not converted to a monitor well, was to be held in reserve and a location was to be selected based upon field observations by field personnel during operations.

Originally, five of these ten soil borings were intended to be converted to monitor wells. Based upon the detection of shallow groundwater zone approximately 16 to 20 feet below ground surface (bgs) in a nearby monitor well across Grant Road and to the north of the Site, it was assumed that groundwater beneath the Site would be encountered at a similar depth.

However, when advancing the first soil boring, SB-1, direct push refusal occurred at approximately 21.5 feet bgs with no sign of groundwater in the soil cuttings recovered. Field personnel decided to advance the soil boring to 30 feet bgs with a solid stem auger to check for the presence of groundwater.

Once SB-1 had been advanced to 30 feet bgs and no sign of groundwater was noted, field personnel halted drilling. A search for monitor and irrigation water wells in the area revealed that irrigation wells encountered groundwater at depths around 200 feet bgs, in addition to the

aforementioned monitor well located just north of the Site. It appears that the recent drought in this area has eliminated the shallow groundwater in the area, which is also evident in the dry intermittent stream bordering the southeast border of the Site.

In order to ensure that no groundwater was present in any of these borings, all soil borings were left open for up to 24 hours and then checked for the presence of groundwater. In no case was ground water observed in these soil borings.

Ten surface soil samples were collected from areas with visible surface staining; these areas are around Buildings 540, 541, and 578, and the former fuel tank area labeled 567 which is located on the northeast corner of the Site. While no surface soil staining was noted by the Phase I ESA conducted for this subject property, field personnel collected ten surface soil samples from observed surface staining areas missed by the Phase I ESA or that were uncovered by the field activities of the Phase II ESA. Surface samples were taken from sediment in any trench drains and any sediment traps or separators that were identified.

All of the soil borings, SB-1 through SB-10, were advanced with a Geoprobe® Model 6600 direct push drilling rig. This rig uses direct push techniques and it can also turn a small diameter solid stem auger.

During the advancement of soil borings SB-1 through SB-10 by direct push, the rig encountered a hard zone and was refused at depths ranging from approximately 17.8 to 22.3 feet bgs, except for soil boring SB-10, which appeared to hit refusal at 13 feet bgs by encountering what appeared to be concrete in an area that may have been excavated and then backfilled. Because no groundwater was encountered in any of the soil borings, no well casings were installed into these borings and all soil borings were plugged with bentonite clay. Soil boring logs are presented in Appendix C.

All soils, decon water and debris produced as investigation derived waste (IDW) were placed into clean 55-gallon steel Department of transportation (DOT) approved drums after leaving borings open for a 24 hour period, labeled appropriately, and sealed. Two drums were used, one with soil cuttings and debris (baggies, gloves, and split spoon liners) and one with decon water, and both drums were placed near the small shed located on the south side of the fenced motor pool area pending the receipt of laboratory analytical results. These results will be used to characterize the drummed IDW and these drums will be removed and disposed of after the acceptance of a final version of this report.

2.2 Collection of Soil Samples

Each soil boring was advanced and continuously cored using a 5-foot acetate lined split spoon sampler to its respective total depth (TD), as determined by the field geologist, or until the rig was refused due to hard substrata. In the case of soil boring SB-1, the soil boring was advanced deeper by use of a solid stem auger, and soil samples were collected as soil cuttings off the auger as the soil was returned to the surface.

Each soil boring was logged on a soil boring log by a field geologist licensed by the Texas Board of Professional Geoscientists (TBPG) and a representative sample was collected and placed into a sealed bag. Soil samples were collected on five foot centers over the entire depth of a given soil boring. Soil boring logs and cross sections of the Site are presented in Appendices C and A, respectively.

Each soil sample was placed in a clean baggie and sealed to allow the generation of a head space which was screened with a PID. Each PID reading for a soil sample was entered onto its respective soil boring log, and soil samples from a given soil boring with the highest PID reading were selected for submittal to an environmental laboratory for analyses, which are discussed below. If PID readings could not be used for soil sample selection due to "equal" readings or lack of a PID reading above background, the field geologist would use field observations of the soil borings to select the soil sample to be submitted for analysis.

In addition to the ten soil samples plus one duplicate sample collected from the soil borings, nine surface soil samples, and one sediment sample from an on-site grit trap, plus a duplicate sample for a total of 22 samples, were collected from various locations around the Site (see Figure 2, Appendix A).

Each soil sample selected for submittal was then placed into clean, laboratory supplied sample containers, labeled, logged onto a chain-of-custody (CoC), and placed into a cooler with ice pending express shipment and next day delivery (i.e., within 24 to 48 hours of collection) to an environmental laboratory. Samples collected on 17 AUG were held on ice in a cooler over night and then shipped on 18 AUG with the samples collected on 18 AUG. This was done due to the logistics of getting samples to a shipping location in Weatherford, Texas in a timely fashion without shutting down sample collection operations early in the afternoon of 17 AUG. All samples held over were kept on ice and under control of the field personnel. Further, sample temperatures were checked every 6 hours overnight and ice was added as needed. Copies of the CoCs and the laboratory analytical reports are located in Appendix D. Data tables summarizing the laboratory results are in Appendix B.

Sample nomenclature consisted of calling a soil sample from a soil boring as "B-#". Please note that DUP-2 was a blind duplicate of B-6.

2.3 Collection of Surface Soil and Grit Trap Samples

As soil borings were being advanced, ten surface soil samples and one grit trap sample were collected from various locations around the Site. Sample nomenclature consisted of calling a soil sample from surface soil as "SS-#" and the grit trap sample as GT-1. Please note that DUP-1 was a blind duplicate of SS-4. Relative soil samples are presented on Figures 2-7.

- GT-01 Sample from Grit Trap northeast of Bldg. 541. Effluent from Bldg 541 and Wash Bays (2) 577. Oil/Water separator on pipes coming from Bldg 541, concrete drainage trough from Wash Bay 577.

- SS-01 Collected from center of drainage feature southeast of Bldg 541 and east (downgradient) of Wash Bays (2) 579 / Maintenance Rack 595.

- SS-02 Collected from center of Tank 567 west containment.

- SS-03 Collected from center of Tank 567 east containment at location of former pump pad.

- SS-04 Collected from former location of Bldg. 564, at center of curb on south side.

- SS-05 Collected outside Tank 567 containment to the southwest (downgradient).

- SS-06 Collected from center of drainage feature west of Bldg 540 at culvert entrance coming from north end of Bldg 540 south addition.

- SS-07 Collected from former location of Bldg. 564, at center of curb on north side.

- SS-08 Collected from center of drainage feature east of the center of the Bldg 541 southern addition in area of stressed vegetation near downspouts.

- SS-09 Collected from center of drainage feature northwest (upgradient) of Bldg 540.

- DUP-01 Duplicate of SS-04.

3.0 Data Review

A total of 22 soil and grit trap sediment samples, inclusive of two duplicate samples, were collected from soil borings, monitor wells, surface soils, and the on-site stream. These samples were submitted to Trace Analytical, 6701 Aberdeen Avenue, Suite B, Lubbock, Texas, for the following analyses:

Parameter	**Preparation Method**	**Analytical Method** (*soil*)
Volatile Organic Compounds (VOCs)	EPA SW-846	EPA 8260C
Semi-Volatile Organic Compounds (SVOCs)	EPA SW-846	EPA 8270D
Total Petroleum Hydrocarbons (TPH)	TCEQ Methodology	TX1005
RCRA 8 Metals (Ag, As, Ba, Cd, Cr, Pb, Se, & Hg)	EPA SW-846	EPA 6010C/7471B
PCBs	EPA SW-846	EPA 8082A

3.1 Monitor Well Gauging Data and Potentiometric Surface Data

No groundwater was encountered during field operations on 17-18 AUG 2011. Soil Borings were left open for up to 24 hours without an accumulation of any groundwater. Consequently, no groundwater gauging data were collected and no potentiometric surface map could be generated.

Based upon the surface topography of the area, and that shallow groundwater generally follows surface topography, it can be assumed that the general shallow groundwater flow at the Site would be to the southeast towards the unnamed intermittent stream that borders the southeast side of the Site., as shown on Figure 2, Appendix A.

3.2 Analytical Results

Laboratory analytical results are presented in Appendix D, and summary tables for VOCs, SVOCs, TPH, RCRA 8 Metals, PCBs, and Pesticides are presented in Tables 1 through 6 in Appendix B.

Each table also presents the TCEQ TRRP Tier 1 Combined Commercial/Industrial Soil PCLs for a 0.5 acre source, and the TCEQ Petroleum Storage Tank (PST) Program Action Levels (0'-15') values for comparison with the analytical results of the soil and grit trap sediment samples. In some cases, there were no TRRP PCLs or PST Action Levels provided for a given analyte and this was indicated by a dash in the appropriate box.

A number of analytes detected and reported in both soil and water samples were given "J", "JB" or "U" flags by the analytical laboratory.

A “J” flag indicates that the reported concentration is an estimated value. The “U” flag indicates that the analyte is not detected above the SDL. A “B” flag indicates that the analyte was detected in the corresponding method blank above the method detection limit.

For QA/QC purposes, two blind duplicate samples, both soil, were collected and named DUP-1 and DUP-2. Dup-1 was a duplicate of surface soil collected from the sample SS-4 location, and DUP-2 was a duplicate soil sample collected from B-6.

3.2.1 VOCs

The analytical results for VOCs are depicted in Table 1, VOCs Analytical Data Summary Table, Appendix B. The Grit Trap Sediment analytical results are presented in Table 6, Appendix B.

3.2.1.1 Soil Borings

Methylene chloride was detected above the SDLs in all soil boring samples, except for B-4, in concentrations ranging from 0.0116 to 0.0221 mg/Kg, all of which were “JB” flagged and none were above the TRRP PCL. Methylene chloride is a common laboratory cross contaminant.

p-Isopropyltoluene was detected above its SDL in B-6 and its duplicate, DUP-2 at concentrtations of 0.0132 and 0.00864 mg/Kg, respectively. Both were “J” flagged and neither was above its PCL

n-Butylbezene was detected only in B-3 at 0.00800 mg/Kg, which was “J” flagged and below its TRRP PCL.

1,2,3-Trichlorobenzene was detected in B-10 at 0.0114 mg/Kg, which was “J” flagged and below its TRRP PCL.

1,2,4-Trichlorobenzene was detected in B-10 at 0.00800 mg/Kg, which was “JB” flagged and below its TRRP PCL.

Naphthalene was detected in B-3 to B-7, B-10, and DUP-2 at concentrations ranging from 0.0156 to 0.0414 mg/Kg, and all were “JB” flagged and below the TRRP PCL.

Hexachlorobutadiene was detected above its SDL in B-6 and its duplicate, DUP-2 at concentrtations of 0.0171 and 0.0284 mg/Kg, respectively. Both were “JB” flagged and neither was above its TRRP PCL.

3.2.1.2 Surface Soil

Methylene chloride was detected above the SDLs in all surface soil samples in concentrations ranging from 0.0174 to 0.0284 mg/Kg, all of which were “JB” flagged and none were above the TRRP PCL. Methylene chloride is a common laboratory cross contaminant.

p-Isopropyltoluene was detected above its SDL in SS-3 at a concentration of 0.00787 mg/Kg. It was “J” flagged and below its TRRP PCL.

1,2,3-Trichlorobenzene was detected in SS-1 at 0.0104 mg/Kg, which was “JB” flagged and below its TRRP PCL.

1,2,4-Trichlorobenzene was detected in SS-1 at 0.00824 mg/Kg, which was “JB” flagged and below its TRRP PCL.

Naphthalene was detected in SS-1 to SS-3, and SS-6 at concentrations ranging from 0.0134 to 0.0266 mg/Kg, and all were “JB” flagged and below the TRRP PCL.

Hexachlorobutadiene was detected above its SDL in SS-1 at a concentration of 0.0197 and was “JB” flagged and below its TRRP PCL.

3.2.1.3 Grit Trap Sediment

Methylene chloride, 1,2,4-Trichlorobenzene, Naphthalene, and Hexachlorobutadiene were detected in GT-1 at 26.2, 14.8, 51.9, and 40.4 mg/Kg, respectively. All were “JB” flagged and none were above their respective PCLs.

3.2.2 SVOCs

The analytical results for SVOCs are depicted in Table 2, SVOCs Analytical Data Summary Table, Appendix B. The Grit Trap Sediment analytical results are presented in Table 6, Appendix B.

3.2.2.1 Soil

3-Nitroaniline was detected above its SDL in one soil boring sample, B-6, at a concentration of 0.116 mg/Kg, which was “J” flagged and not above the TRRP PCL.

Phenanthrene was detected above its SDL in one soil boring sample, B-6, at a concentration of 0.0618 mg/Kg, which was “J” flagged and not above the TRRP PCL.

3.2.2.2 Surface Soil

3-Nitroaniline was detected above its SDL in three soil samples, SS-1, SS-2, and SSB-3, with concentrations ranging from 0.117 to 1.23 mg/Kg; all were “J” flagged and not above the TRRP PCL.

Phenanthrene was detected above its SDL in four soil samples, SS-1, SS-6, SS-8 and SS-9 at concentrations ranging from 0.130 to 139 mg/Kg; all but SS-6 were “J” flagged and all were below the TRRP PCL, but SS-6 was above the PST Action Level.

Benzoic Acid was detected above its SDL in three soil samples, SS-1, SS-6, and SS-8 at concentrations ranging from 0.582 to 2.62 mg/Kg; Onlt SS-1 was “J” flagged and all were below the TRRP PCL.

Fluoranthene was detected in five soil samples, SS-1, SS-2, SS-6, SS-8, and SS-9 at concentrations ranging from 0.053 to 154 mg/Kg; all but SS-6 were “J” flagged and none were above the TRRP PCL, but SS-6 was above the PST Action Level.

Pyrene was detected in five soil samples, SS-1, SS-2, SS-6, SS-8, and SS-9 at concentrations ranging from 0.0564 to 148 mg/Kg; all but SS-6 and SS-9 were “J” flagged and only SS-9 was above the PST Action Level. Everything was below the TRRP PCL.

Benzo(a)anthracene was detected in four soil samples, SS-1, SS-6, SS-8, and SS-9 at concentrations ranging from 0.162 to 58.8 mg/Kg; SS-1 and SS-9 were “J” flagged and SS-6 and SS-8 were above the PST Action Level and only SS-6 was above the TRRP PCL.

Chrysene was detected in five soil samples, SS-1, SS-2, SS-6, SS-8, and SS-9 at concentrations ranging from 0.0623 to 97.3 mg/Kg; SS-1, SS-2 and SS-8 were “J” flagged and SS-1, SS-6 and SS-8 were above the PST Action Level.

Benzo(b)fluoranthene was detected in five soil samples, SS-1, SS-2, SS-6, SS-8, and SS-9 at concentrations ranging from 0.0548 to 70.0 mg/Kg; SS-1, SS-2 and SS-8 were “J” flagged and SS-1, SS-6 and SS-8 were above the TRRP PCL and/or PST Action Level.

Benzo(g,h,i)perylene was detected in four soil samples, SS-1, SS-6, SS-8, and SS-9 at concentrations ranging from 0.166 to 41.1 mg/Kg; SS-1 and SS-9 were “J” flagged and SS-1, SS-6 and SS-8 were above the PST Action Level.

Anthracene was detected in two soil samples, SS-6 and SS-8 at concentrations of 0.971 and 18.5 mg/Kg, respectively; neither was “J” flagged and SS-6 was above the PST Action Level.

Benzo(k)fluoranthene was detected in three soil samples, SS-6, SS-8, and SS-9 at concentrations ranging from 0.0767 to 29.4 mg/Kg; SS-6 and SS-9 were “J” flagged and SS-6 and SS-8 were above the PST Action Level.

Acenaphthylene was detected in one soil sample, SS-8, at a concentration of 0.265 mg/Kg; SS-8 was “J” flagged and not above the TRRP PCL and/or PST Action Level.

Acenaphthene was detected in two soil samples, SS-6 and SS-8, at concentrations of 0.381 and 9.87 mg/Kg, respectively; SS-6 was “J” flagged and neither was above the TRRP PCL and/or PST Action Level.

Ideno(1,2,3-cd)pyrene was detected in four soil samples, SS-1, SS-6, SS-8, and SS-9 at concentrations ranging from 0.162 to 40.7 mg/Kg; SS-1 and SS-9 were “J” flagged and SS-6 and SS-8 were above the TRRP PCL and/or PST Action Level.

Dibenzo(a,h)anthrancene was detected in three soil samples, SS-6, SS-8, and SS-9 at concentrations ranging from 0.0578 to 14.3 mg/Kg; SS-6 and SS-9 were “J” flagged and SS-6 and SS-8 were above the TRRP PCL and/or PST Action Level.

Dibenzofuran was detected in two soil samples, SS-6 and SS-8 at concentrations of 9.52 and 0.317 mg/Kg, respectively; both were “J” flagged and neither was above the TRRP PCL.

Fluorene was detected in two soil samples, SS-6 and SS-8 at concentrations of 10.1 and 0.394 mg/Kg, respectively; SS-6 was “J” flagged and neither was above the TRRP PCL and/or PST Action Level.

3.2.2.3 Grit Trap Sediment

Acenaphthene was detected in GT-1 at a concentration of 3.69 mg/kg; it was “J” flagged and not above the TRRP PCL and/or PST Action Level.

Dibenzofuran was detected in GT-1 at a concentration of 3.00 mg/Kg; ; it was “J” flagged and not above the TRRP PCL and/or PST Action Level.

Fluorene was detected in GT-1 at concentration of 4.52 mg/Kg; ; it was not above the TRRP PCL and/or PST Action Level.

Phenanthrene was detected in GT-1 at a concentration of 44.3 mg/Kg; ; it was “J” flagged and not above the TRRP PCL and/or PST Action Level.

Anthracene was detected in GT-1 at a concentration of 7.23 mg/Kg; ; it was “J” flagged and not above the TRRP PCL and/or PST Action Level.

Fluoranthene was detected in GT-1 at a concentration of 48.7 mg/Kg; ; it was “J” flagged and not above the TRRP PCL and/or PST Action Level.

Pyrene was detected in GT-1 at a concentration of 47.4 mg/Kg; ; it was “J” flagged and not above the TRRP PCL and/or PST Action Level.

Benzo(a)anthracene was detected in GT-1 at a concentration of 20.40 mg/Kg; it was “J” flagged and above the TRRP PCL and/or PST Action Level.

Chrysene was detected in GT-1 at a concentration of 32.70 mg/Kg; it was “J” flagged and above the TRRP PCL and/or PST Action Level.

Benzo(b)fluoranthene was detected in GT-1 at a concentration of 33.00 mg/Kg; it was “J” flagged and above the TRRP PCL and/or PST Action Level.

Benzo(k)fluoranthene was detected in GT-1 at a concentration of 3.22 mg/Kg; it was “J” flagged and not above the TRRP PCL and/or PST Action Level.

Benzo(a)pyrene was detected in GT-1 at a concentration of 4.96 mg/Kg; it was not “J” flagged and above the TRRP PCL and/or PST Action Level.

Ideno(1,2,3-cd)pyrene was detected in GT-1 at a concentration of 13.30 mg/Kg; it was “J” flagged and above the TRRP PCL and/or PST Action Level.

Dibenzo(a,h)anthrancene was detected in GT-1 at a concentration of 1.54 mg/Kg; it was “J” flagged and above the TRRP PCL and/or PST Action Level.

Benzo(g,h,i)perylene was detected in GT-1 at a concentration of 13.70 mg/Kg; it was “J” flagged and above the TRRP PCL and/or PST Action Level.

Naphthalene was detected in GT-1 at a concentration of 2.54 mg/Kg; it was “J” flagged and not above the TRRP PCL and/or PST Action Level.

3.2.3 RCRA 8 Metals

The analytical results for RCRA * Metals are depicted in Table 3, RCRA * Metals Analytical Data Summary Table, Appendix B. The Grit Trap Sediment analytical results are presented in Table 6, Appendix B. Texas Specific Soil Background Concentrations are from: "Background Geochemistry of Some Rocks, Soils, Plants, and Vegetables in the Conterminous United States", by Jon J. Connor, Hansford T. Shacklette, et al., Geological Survey Professional Paper 574-F, US Geological Survey.

3.2.3.1 Soil

Silver was not detected in B-1 through B-10 and Dup-2 in concentrations above the SDLs.

Arsenic was detected in B-1 to B-3, B-7 to B-10 and Dup-2 in concentrations that ranged from 1.31 to 7.97 mg/Kg. B-1 to B-2 concentration's were "J" flagged by the laboratory; all concentrations were below the TRRP PCL and/or PST Action Level and two, B-9 and B-10 were above the Texas Specific Soil Background Concentration.

Barium was detected in B-1 through B-10 and Dup-2 in concentrations that ranged from 66.0 to 240 mg/Kg. All concentrations were below the TRRP PCL and/or PST Action Level.

Cadmium was not detected in B-1 through B-10 and Dup-2 in concentrations above the SDLs.

Chromium was detected in B-1 through B-10 and Dup-2 in concentrations that ranged from 6.79 to 25.3 mg/Kg. All concentrations were below the TRRP PCL and/or PST Action Level.

Mercury was detected in B-1 to B-10 in concentrations that ranged from 0.00404 to 0.0135 mg/Kg, and was below the SDL in Dup-2. All concentrations were "J" flagged and below the TRRP PCL and/or PST Action Level.

Lead was detected in B-1 to B-10 and Dup-2 in concentrations that ranged from 2.96 to 14.5 mg/Kg. No concentrations were "J" flagged and all concentrations were below the TRRP PCL and/or PST Action Level, and the Texas Specific Soil Background Concentration of 15 mg/Kg.

Selenium was not detected in B-1 through B-10 and Dup-2 in concentrations above the SDLs.

3.2.3.2 Surface Soil

Silver was not detected in SS-1 through SS-9 and Dup-1 in concentrations above the SDLs.

Arsenic was detected in SS-1, SS-2 , SS-4 and Dup-1 in concentrations that ranged from 1.12 to 3.43 mg/Kg. SS-2's concentration was "J" flagged by the laboratory; all concentrations were below the TRRP PCL and/or PST Action Level.

Barium was detected in SS-1 through SS-9 and Dup-1 in concentrations that ranged from 93.2 to 388 mg/Kg. All concentrations were below the TRRP PCL and/or PST Action Level and two, SS-1 and SS-9, were above the Texas Specific Soil Background Concentration.

Cadmium was detected in SS-1, SS-3, SS-6, and SS-8 in concentrations that ranged from 0.654 to 9.76 mg/Kg. All concentrations were below the TRRP PCL and/or PST Action Level.

Chromium was detected in SS-1 through SS-9 and Dup-1 in concentrations that ranged from 8.66 to 124 mg/Kg. All concentrations were below the TRRP PCL and/or PST Action Level and one, SS-6, was above the Texas Specific Soil Background Concentration.

Mercury was detected in SS-1 to SS-9 and Dup-1 in concentrations that ranged from 0.00897 to 0.351 mg/Kg. Concentrations in SS-2, SS-5, SS-7, SS-9, and Dup-1 were "J" flagged. All concentrations were below the TRRP PCL and/or PST Action Level and four, SS-1, SS-2, SS-6 and SS-8, were above the Texas Specific Soil Background Concentration.

Lead was detected in SS-1 to SS-9 and Dup-1 in concentrations that ranged from 20.9 to 3220 mg/Kg. No concentrations were "J" flagged and SS-1 was above the TRRP PCL and above the Texas Specific Soil Background Concentration of 15 mg/Kg.

Selenium was not detected in SS-1 through SS-10 and Dup-1 in concentrations above the SDLs.

3.2.3.2 Grit Trap Sediment

Silver was not detected in GT-1 in concentrations above the SDL.

Arsenic was not detected in GT-1 in concentrations above the SDL.

Barium was detected in GT-1 at a concentration of 218 mg/Kg. This concentration was below the TRRP PCL and/or PST Action Level.

Cadmium was detected in SS-1 at a concentration of 6.23 mg/Kg. This concentration was below the TRRP PCL and/or PST Action Level.

Chromium was detected in GT-1 at a concentration of 56.30 mg/Kg. This concentration was below the TRRP PCL and/or PST Action Level.

Mercury was detected in GT-1 at a concentration of 0.991 mg/Kg. This concentration was below the TRRP PCL and/or PST Action Level.

Lead was detected in GT-1 at a concentration of 1,020 mg/Kg. This concentration was not above the TRRP PCL but was above the Texas Specific Soil Background Concentration of 15 mg/Kg.

Selenium was not detected in GT-1 in concentrations above the SDL.

3.2.4 TPH

The analytical results for TPH are depicted in Table 4, RCRA 8 Metals Analytical Data Summary Table, Appendix B. TPH concentrations are reported in groups based upon the number of carbon atom in a given hydrocarbon chain and are presented as C_6-C_{12} and >C_{12}-C_{35}. The Grit Trap Sediment analytical results are presented in Table 6, Appendix B.

3.2.4.1 Soil

The TPH group, C_6-C_{12}, was detected in one soil sample collected and submitted for analysis, B-6, which was “J” flagged. All other samples were below their SDLs. The concentration detected in B-6 was below its TRRP PCL.

The TPH group, >C_{12}-C_{35}, was detected in two soil samples collected and submitted for analysis, B-6 and Dup-2 (a duplicate of B-6). The concentrations were 248 and 18.8 mg/Kg, respectively, with the latter being “J” flagged. As the highest TPH >C_{12}-$C_{35,}$ this sample would be run for PAH. However, all samples were run for SVOCs and that analysis includes analytes covered by PAH. For B-6 and Dup-2, the SVOC analytical results (see Table 2,Appendix B) show that phenanthrene was detected at 0.0618 mg/kg, which was “J” flagged and below the TRRP PCL and PST Action Level.

3.2.4.2 Surface Soil

The TPH group, C_6-C_{12}, was not detected in the soil samples collected and submitted for analysis; all samples were below their SDLs.

The TPH group, >C_{12}-C_{35}, was detected in three soil samples collected and submitted for analysis, SS-1 through SS-3. The concentrations ranged from 15.6 to 4,640 mg/Kg, with the samples from SS-2 and SS-3 being “J” flagged. As the highest TPH >C_{12}-$C_{35,}$ sample SS-1 would be run for PAH. However, all samples were run for SVOCs and that analysis includes analytes covered by PAH. For SS-1, the SVOC analytical results (see Table 2,Appendix B) show that phenanthrene was detected at 0.837 mg/kg (“J” flagged), fluoranthene was detected at 1.42 mg/kg (“J” flagged), pyrene was detected at 1.53 mg/kg (“J” flagged), benzo(a)anthracene was detected at 0.71 mg/kg (“J” flagged), chrysene was detected at 1.28 mg/kg (“J” flagged), benzo(b)fluoranthene was detected at 1.21 mg/kg (“J” flagged), benzo(a)pyrene was detected at 0.771 mg/kg (“J” flagged), benzo(g,h,i)perylene was detected at 0.726 mg/kg (“J” flagged), and ideno(1,2,3-cd)anthracene was detected at 1.42 mg/kg (“J” flagged). Of those, only benzo(b)fluoranthene and benzo(a)pyrene were above their PST Action Levels.

3.2.4.3 Grit Trap Sediment

The TPH group, C_6-C_{12}, was not detected in the sediment sample collected and submitted for analysis and was below its SDLs.

The TPH group, >C_{12}-C_{35}, was not detected in the sediment sample collected and submitted for analysis and was below its SDLs.

3.2.5 PCBs

The analytical results for PCBs are depicted in Table 5, PCBs Analytical Data Summary Table, Appendix B. PCBs reported by this analytical method include Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, Aroclor 1260, Aroclor 1268, and total PCBs. The Grit Trap Sediment analytical results are presented in Table 6, Appendix B.

3.2.5.1 Soil

Only one soil sample, Dup-2 (a duplicate of B-6) had detectable concentrations of Aroclor 1254 of 0.0140 mg/Kg, which yields a total PCB concentration of 0.0140 mg/Kg. This concentration is below the TRRP PCL. All other concentrations were “U” flagged by the laboratory.

3.2.4.2 Surface Soil

Six surface soil samples had single incidents of detectable concentrations of Aroclor congeners. SS-1 had Aroclor 1260 detected at 0.534 mg/Kg; SS-3 had Aroclor 1260 detected at 0.0838 mg/Kg; SS-6 had Aroclor 1260 detected at 0.194 mg/Kg; SS-7 had Aroclor 1260 detected at 0.00361 mg/Kg; SS-8 had Aroclor 1254 detected at 0.0915 mg/Kg; and SS-9 had Aroclor 1260 detected at 0.00735 mg/Kg. Each sample had one congener detected, so that concentration was also the total PCB concentration for that sample. None of these detections were “J” flagged and none of them were above the TRRP PCL for PCBs.

3.2.4.3 Grit Trap Sediment

GT-1 had detectable concentrations of only Aroclor 1260 at 0.534 mg/Kg, which yields a total PCB concentration of 0.534 mg/Kg. This concentration is below the TRRP PCL. All other concentrations were “U” flagged by the laboratory.

4.0 Conclusions

After review of the data collected for this Phase II ESA, the site has been impacted by relatively low levels of nearly every class of chemicals tested, and most detected concentrations are below the TRRP Tier 1 Combined Commercial/Industrial Soil PCLs for a 0.5 acre source, and the TCEQ Petroleum Storage Tank (PST) Program Action Levels (0'-15').

However, those COCs detected above their PCL and/or Action Level are located in samples SS-1, SS-6, SS-8, SS-9, and GT-1. The SS samples were collected from drainage ditches bordering the former motor pool site, and the GT sample was collected from a wash bay grit trap. Because these drainage ditches may drain areas other than the Site, based upon their location, it is possible that other current or historic activities may contribute to the COCs detected in these ditches in addition to what the historic activities have contributed.

The ditches that drain the site empty into the creek that borders the Site on its east side, the Rocky Creek Tributary #5. This tributary eventually flows into the Brazos River at a point below Possum Kingdom Lake. Brazos River is a State classified segment, as detailed in Appendix F.

While lead is not associated with diesel fuel, which is what the two former underground storage tanks contained, it is possible that the lead detected has come from weathered lead-based paint from the buildings located on the Site. The lead-based paint was documented in the report titled "Targeted Brownfields Assessment, Phase I Environmental Site Assessment, Fort Wolters Texas Department of Criminal Justice Property, 16.37 Acre Tract, Mineral Wells, TX 76067", issued by **dse** in November 2010.

None of the other surface soil samples or any of the soil boring samples had COCs detected in concentrations above their PCLs and/or Action Levels. Further most of those samples came from beneath paved areas and can be considered capped sources.

A closer examination of a pipe extending from a concrete pad and located in a triangular part of the Site's far northeast side seems to have eliminated the need for a downhole camera. A rod was used to determine the depth of the pipe and it was stopped approximately 13-inches from the top of the pipe. Consequently, it is thought that this pipe was not a fill port, but more likely a support and/or a railing pipe that was present when the site was active.

No shallow groundwater was encounter at depths where it was expected based upon nearby monitor wells. Further investigation found that the next depth at which there would be likely groundwater was approximately 200-feet below grade, where nearby irrigation wells encountered groundwater. It is likely that shallow groundwater has dissipated due to current drought conditions in the area, which was evident in the dry stream bed of Rocky Creek Tributary #5.

Given the history of the Site being used as a motor pool and that USTs were present on the Site when it was active, the Site could be assigned to the TCEQ's pst program, as detailed by Texas Administrative Code (TAC) Chapter 334. However, after review of the report titled "Targeted Brownfields Assessment, Phase I Environmental Site Assessment, Fort Wolters Texas Department of Criminal Justice Property, 16.37 Acre Tract, Mineral Wells, TX 76067", issued by **dse** in November 2010, there was no indication that any petroleum hydrocarbon releases were reported prior to 1 SEP 2000. Consequently, it is **dse**'s opinion that the subject Site is subject to 30 TAC § 350 TRRP Rules.

The TRRP Eco Exclusion work sheet is presented in Appendix F, and it indicates that this site does fall under TRRP.

5.0 Recommendations

Based on the sampling to date, **dse** believes that soils at the TDJC Site have been impacted by historical on-site activities. Most of these are relatively low levels and not above pertinent PCLs and/or PST Action Levels, but there are some COCs that are above their respective PCLs and/or PST Action Levels in drainage ditches adjacent to the former motor pool area.

These ditches appear to eventually drain into a State classified stream segment that has use classifications for:

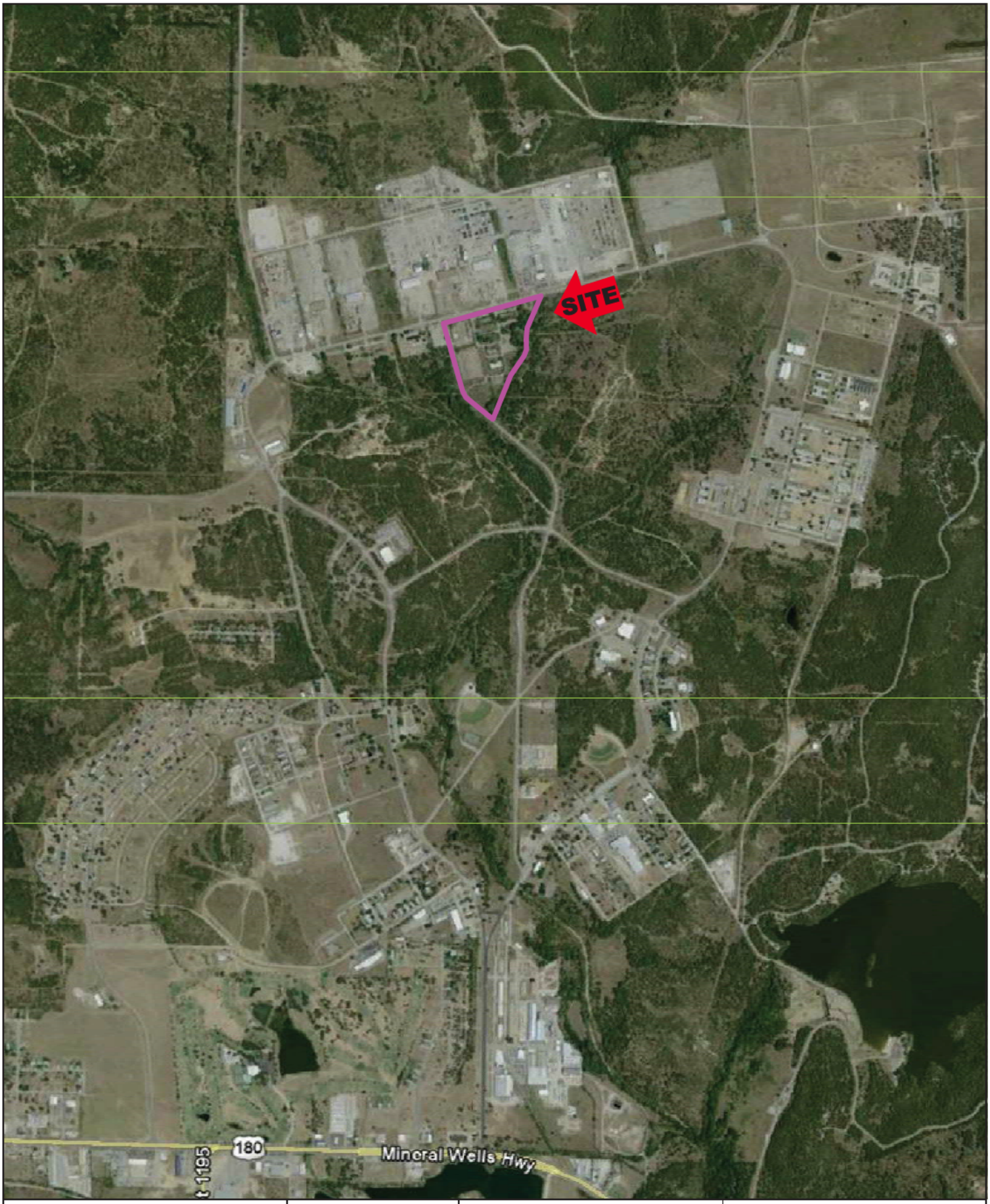
- Recreation-Primary Contact Recreation
- Aquatic Life-High Aquatic Life
- Domestic Water Supply- N/A
- Other-N/A

Accordingly, it is recommended that these findings be communicated to the TCEQ and that drainage ditches with impacted soils be cleaned out and those soils disposed of properly, after confirmatory sampling. Based on the analytical results obtained from this site assessment, the soils located outside of the drainage ditches do not appear to need any remedial action at this time, pending concurrence from the TCEQ.

Additionally, Mr. (b) (6) , a local resident, came on site about midway through the second day of field operations and mentioned that the motor pool reportedly dumped their used oil on the portion of the site to the south of the motor pool area and that this area was later paved over. Any future site investigation of this Site may wish to sample this area to confirm this allegation.

APPENDIX A

FIGURES



dse
Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088

MANAGER	APP. DATE	FILE NAME	
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APPROX. SCALE	DRAWN	DATE	PROJECT
1"=1500'	CMS	9/16/2011	1037503

Source: Google Earth Mapping Service Aerial Photograph Date: 3/31/2008

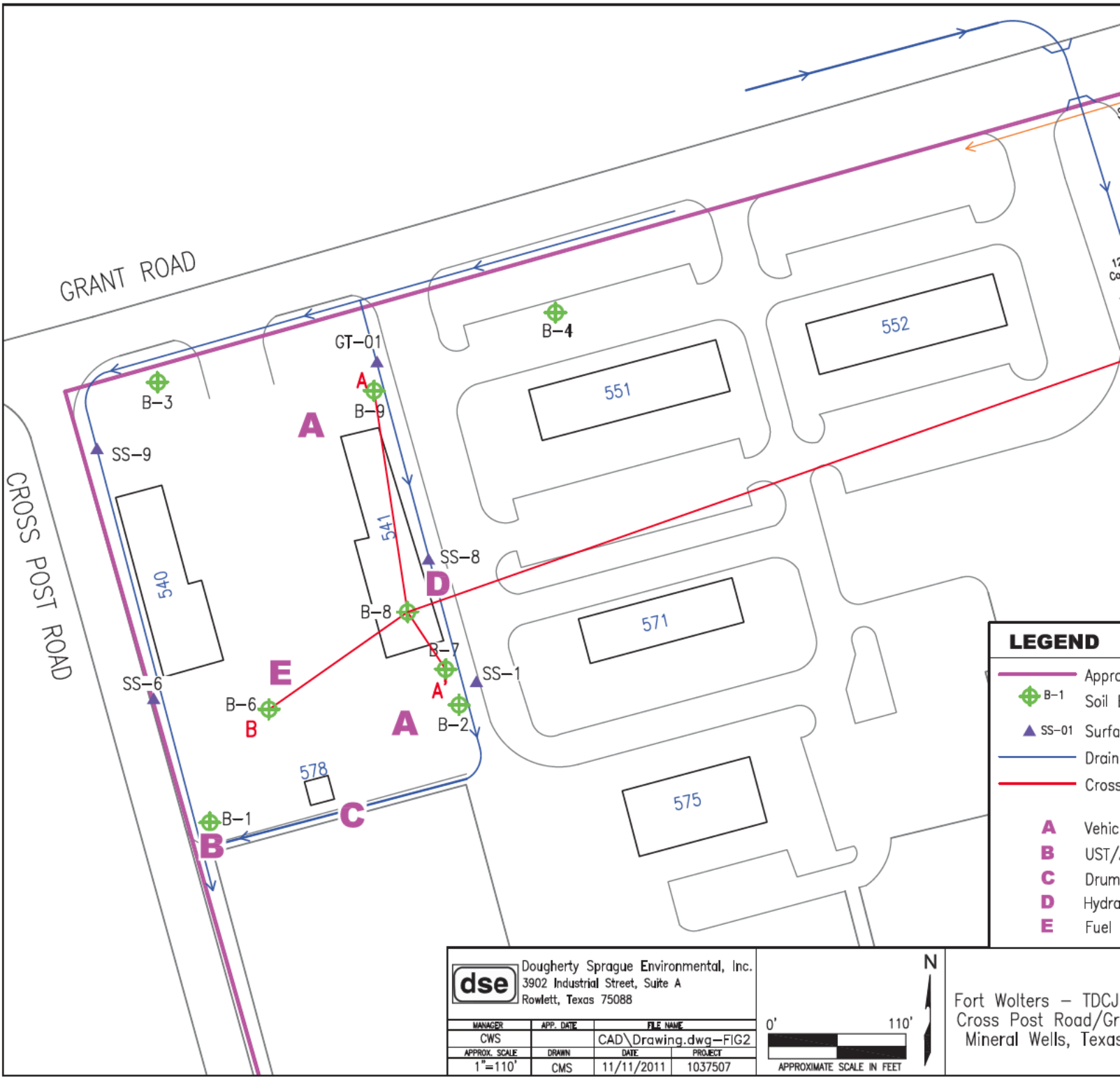
N

0' 1500'

APPROXIMATE SCALE IN FEET

Fort Wolters – TDCJ Property
Cross Post Road/Grant Road
Mineral Wells, Texas 76067

FIGURE 1
SITE LOCATION MAP


GRANT ROAD
CROSS POST ROAD
B-4
GT-01
B-3
B-9
A
SS-9
551
552
541
540
SS-8
D
B-8
571
B-7
SS-1
E
SS-6
B-6
B
A
B-2
578
575
B-1
C
B
LEGEND
Appro
B-1 Soil
SS-01 Surfa
Drain
Cross
A Vehic
B UST/
C Drum
D Hydra
E Fuel
dse
Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088
MANAGER CWS
APP. DATE
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DRAWN CMS
DATE 11/11/2011
PROJECT 1037507
0' 110'
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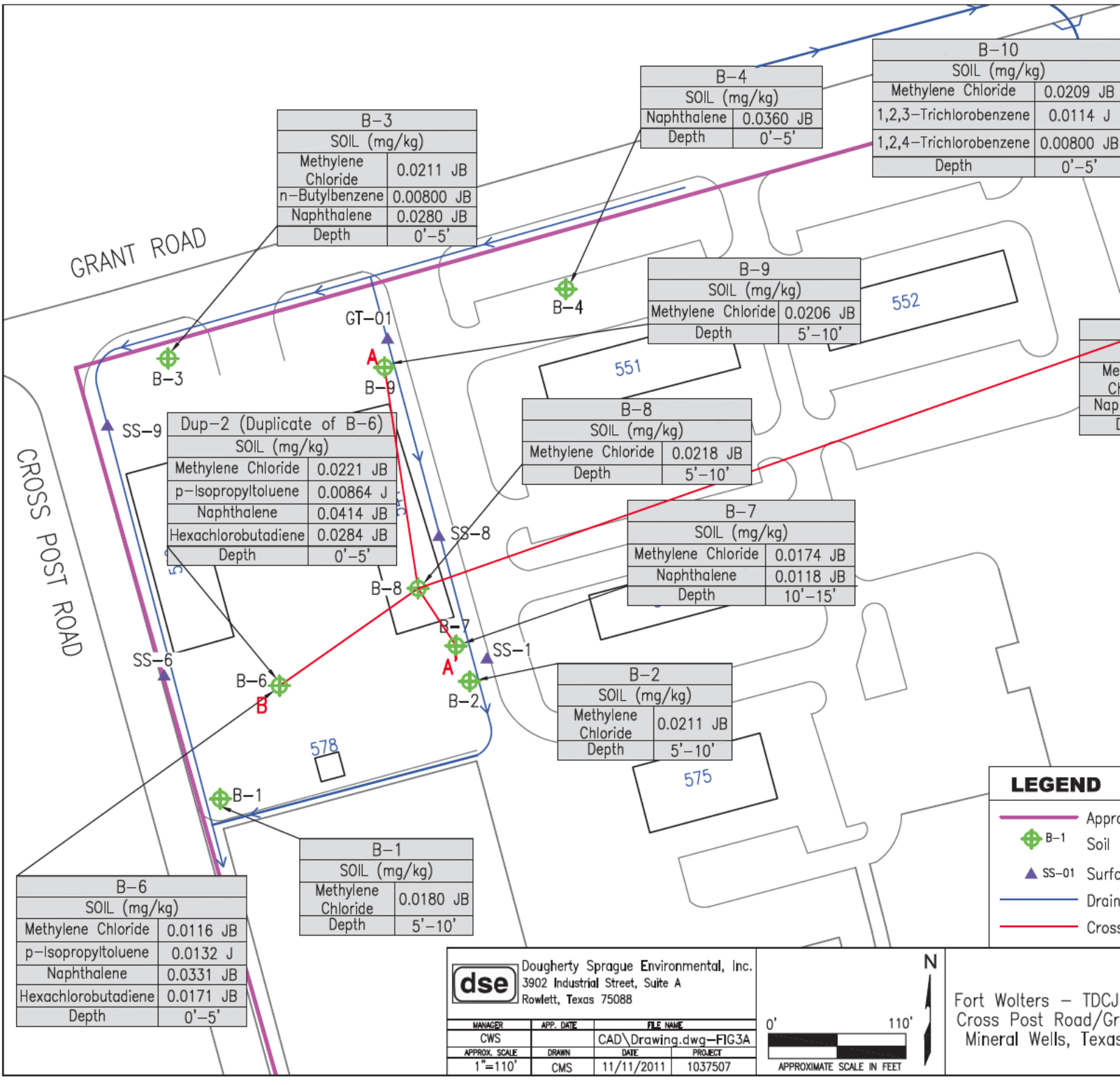
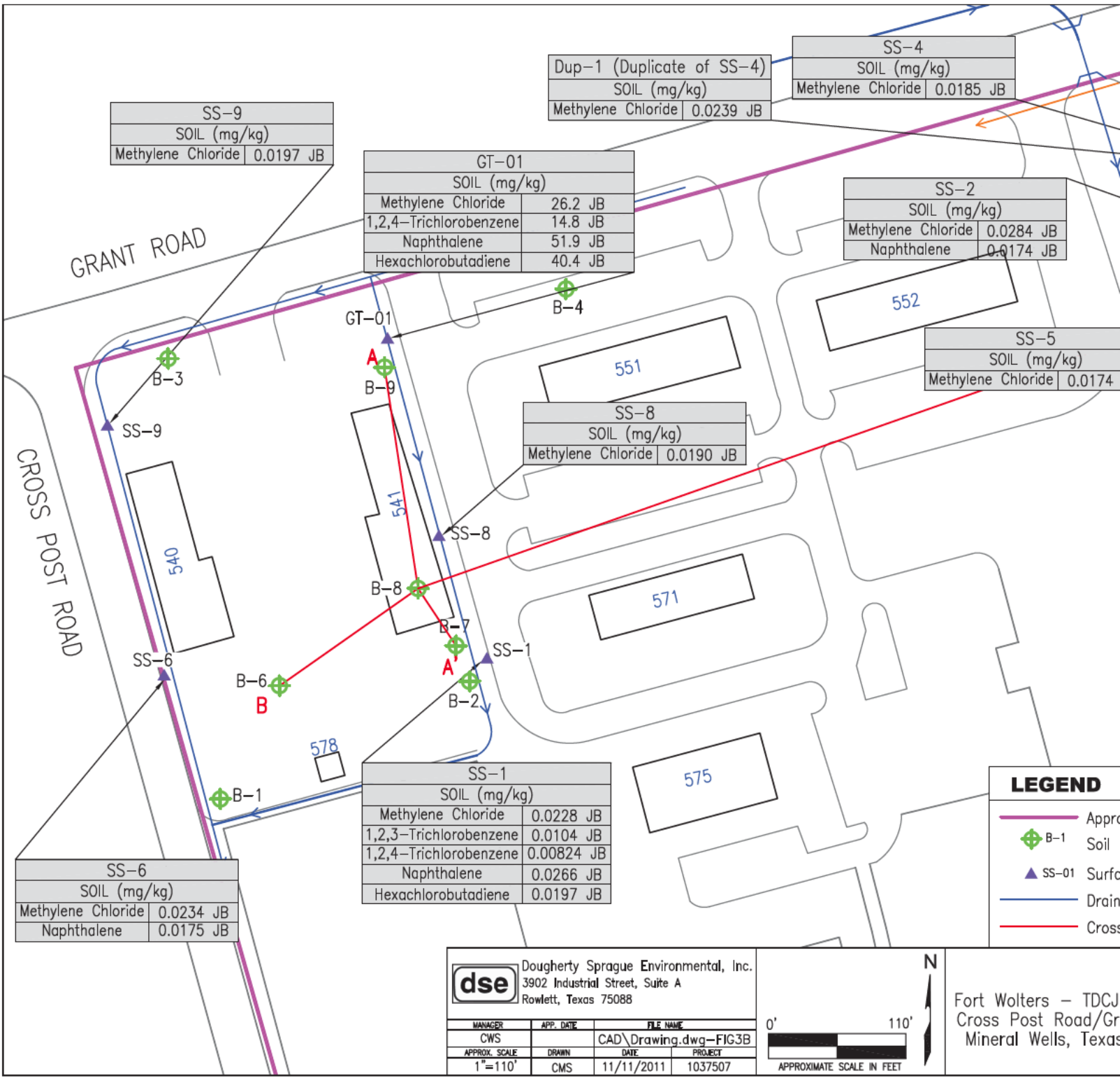
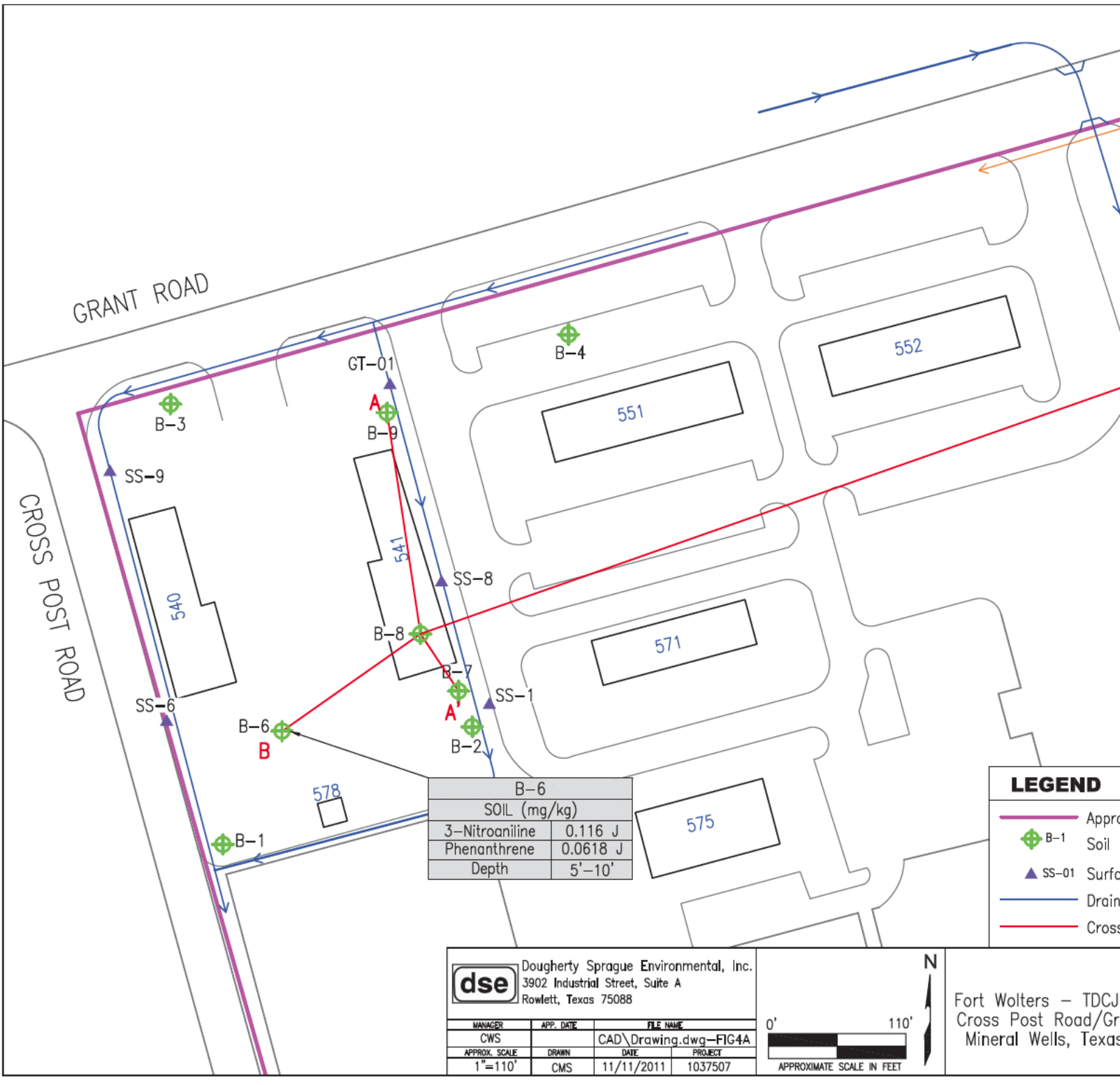
N
Fort Wolters - TDCJ
Cross Post Road/Gr
Mineral Wells, Texas


GRANT ROAD
CROSS POST ROAD
B-3
SOIL (mg/kg)
Methylene Chloride 0.0211 JB
n-Butylbenzene 0.00800 JB
Naphthalene 0.0280 JB
Depth 0'-5'
B-4
SOIL (mg/kg)
Naphthalene 0.0360 JB
Depth 0'-5'
B-10
SOIL (mg/kg)
Methylene Chloride 0.0209 JB
1,2,3-Trichlorobenzene 0.0114 J
1,2,4-Trichlorobenzene 0.00800 JB
Depth 0'-5'
B-9
SOIL (mg/kg)
Methylene Chloride 0.0206 JB
Depth 5'-10'
B-8
SOIL (mg/kg)
Methylene Chloride 0.0218 JB
Depth 5'-10'
B-7
SOIL (mg/kg)
Methylene Chloride 0.0174 JB
Naphthalene 0.0118 JB
Depth 10'-15'
B-2
SOIL (mg/kg)
Methylene Chloride 0.0211 JB
Depth 5'-10'
B-1
SOIL (mg/kg)
Methylene Chloride 0.0180 JB
Depth 5'-10'
B-6
SOIL (mg/kg)
Methylene Chloride 0.0116 JB
p-Isopropyltoluene 0.0132 J
Naphthalene 0.0331 JB
Hexachlorobutadiene 0.0171 JB
Depth 0'-5'
Dup-2 (Duplicate of B-6)
SOIL (mg/kg)
Methylene Chloride 0.0221 JB
p-Isopropyltoluene 0.00864 J
Naphthalene 0.0414 JB
Hexachlorobutadiene 0.0284 JB
Depth 0'-5'
GT-01
SS-9
SS-8
SS-6
SS-1
A
A'
B
B'
552
551
578
575
LEGEND
B-1 Soil
SS-01 Surfa
Drain
Cross
dse
Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088
MANAGER CWS
APP. DATE
FILE NAME CAD\Drawing.dwg-FIG3A
APPROX. SCALE 1"=110'
DRAWN CMS
DATE 11/11/2011
PROJECT 1037507
0' 110'
APPROXIMATE SCALE IN FEET
N
Fort Wolters - TDCJ
Cross Post Road/Gr
Mineral Wells, Texas


SS-9
SOIL (mg/kg)
Methylene Chloride 0.0197 JB
Dup-1 (Duplicate of SS-4)
SOIL (mg/kg)
Methylene Chloride 0.0239 JB
SS-4
SOIL (mg/kg)
Methylene Chloride 0.0185 JB
GT-01
SOIL (mg/kg)
Methylene Chloride 26.2 JB
1,2,4-Trichlorobenzene 14.8 JB
Naphthalene 51.9 JB
Hexachlorobutadiene 40.4 JB
SS-2
SOIL (mg/kg)
Methylene Chloride 0.0284 JB
Naphthalene 0.0174 JB
SS-5
SOIL (mg/kg)
Methylene Chloride 0.0174
SS-8
SOIL (mg/kg)
Methylene Chloride 0.0190 JB
SS-6
SOIL (mg/kg)
Methylene Chloride 0.0234 JB
Naphthalene 0.0175 JB
SS-1
SOIL (mg/kg)
Methylene Chloride 0.0228 JB
1,2,3-Trichlorobenzene 0.0104 JB
1,2,4-Trichlorobenzene 0.00824 JB
Naphthalene 0.0266 JB
Hexachlorobutadiene 0.0197 JB
GRANT ROAD
CROSS POST ROAD
GT-01
B-3
B-4
B-9
SS-9
SS-8
SS-6
SS-1
B-8
B-7
B-6
B-2
B-1
A
A'
B
540
541
551
552
571
575
578
LEGEND
B-1 Soil
SS-01 Surfa
Drain
Cross
Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088
MANAGER CWS
APP. DATE
FILE NAME CAD\Drawing.dwg-FIG3B
APPROX. SCALE 1"=110'
DRAWN CMS
DATE 11/11/2011
PROJECT 1037507
0' 110'
APPROXIMATE SCALE IN FEET
N
Fort Wolters - TDCJ
Cross Post Road/Gr
Mineral Wells, Texas

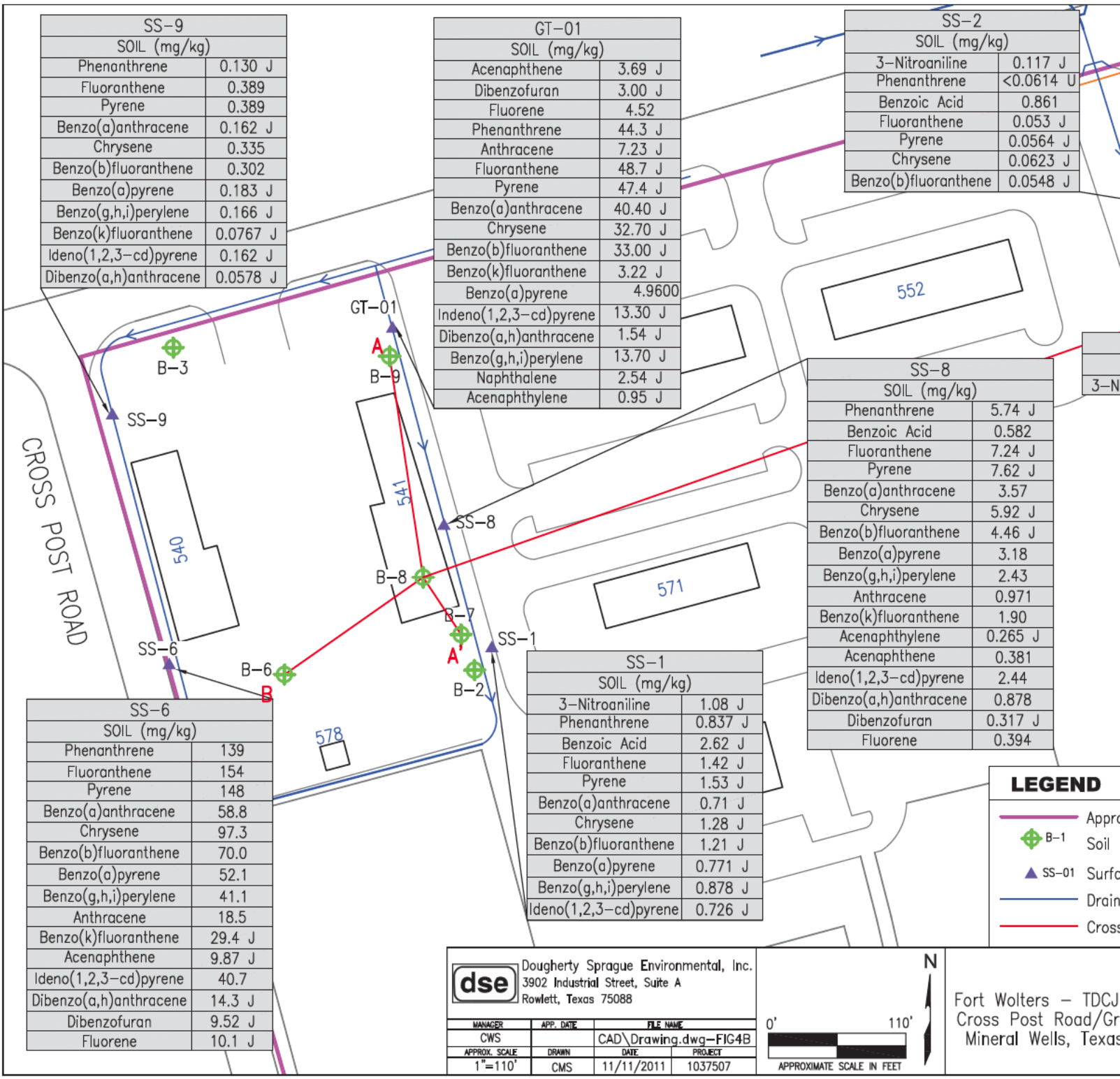


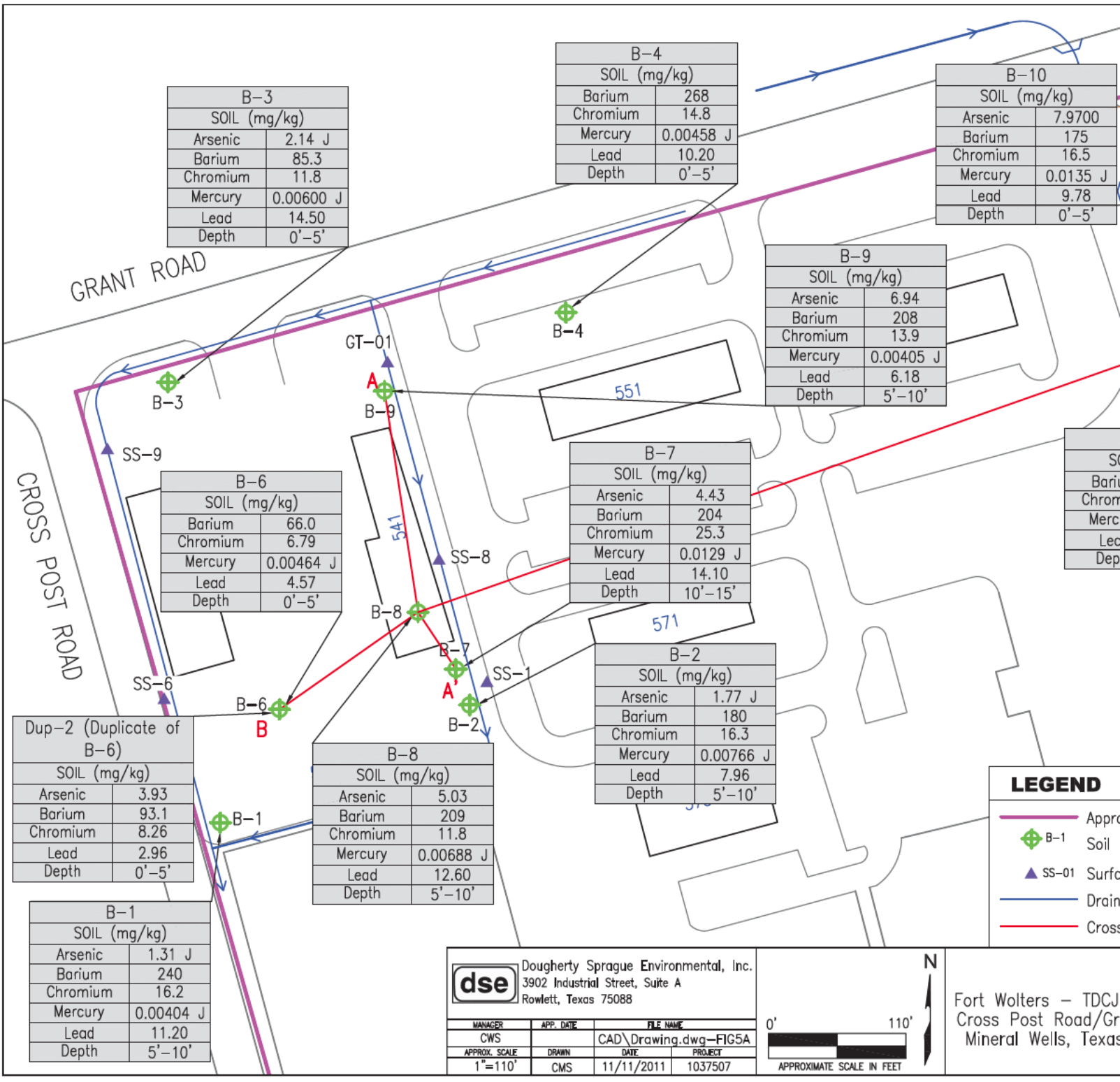
B-6	
SOIL (mg/kg)	
3-Nitroaniline	0.116 J
Phenanthrene	0.0618 J
Depth	5'-10'

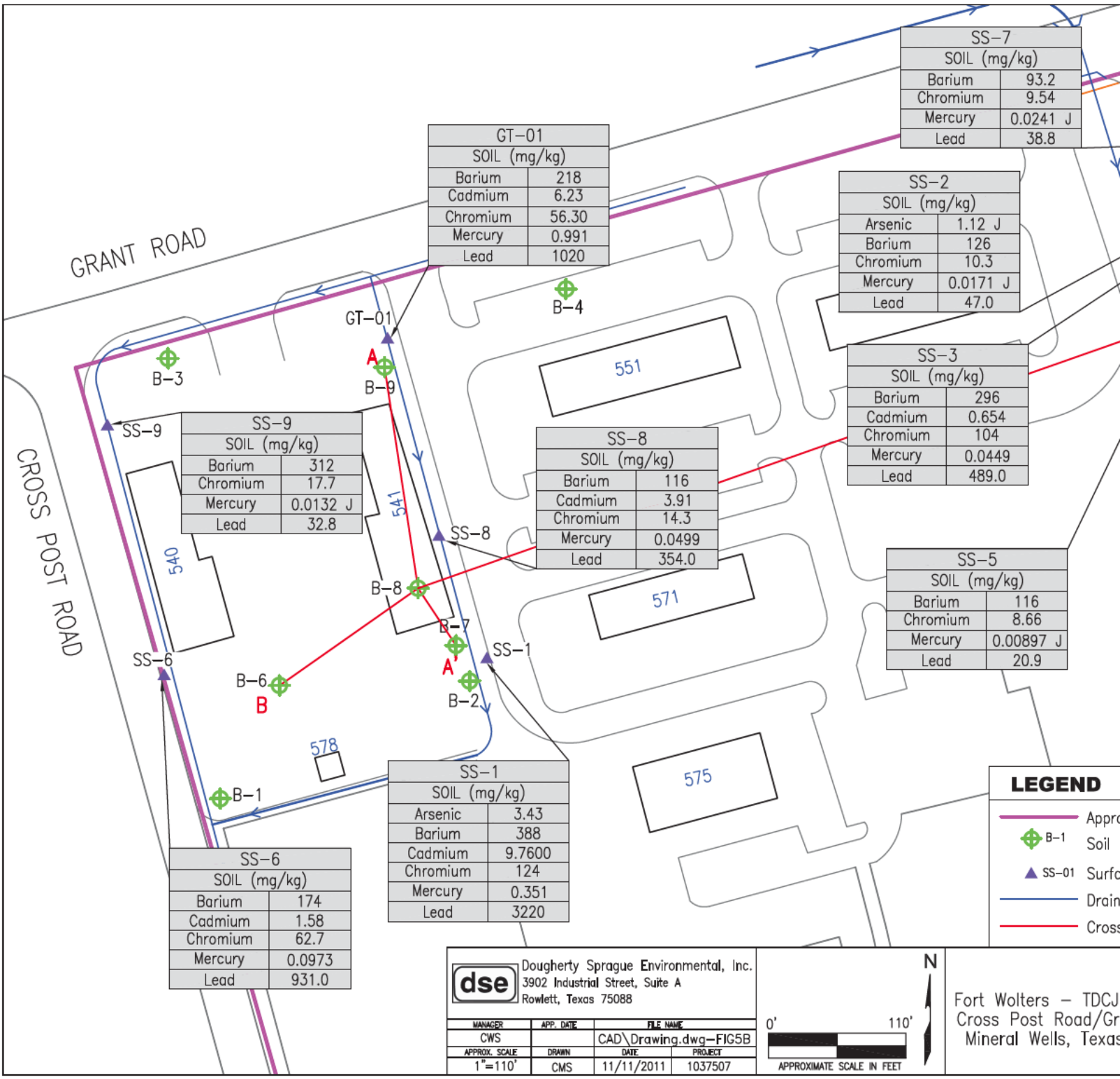
dse
Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088

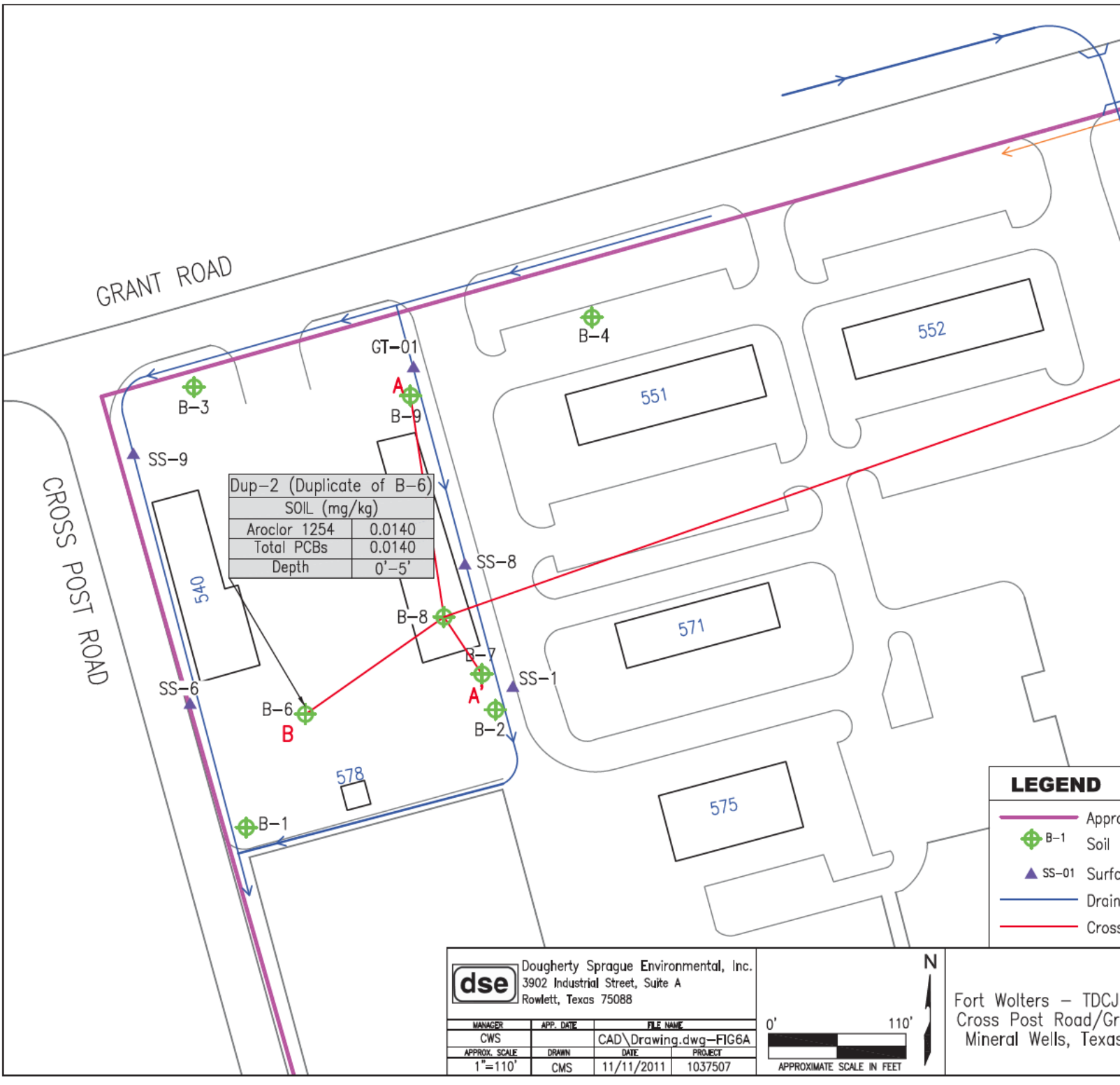
MANAGER	APP. DATE	FILE NAME	
CWS		CAD\Drawing.dwg-FIG4A	
APPROX. SCALE	DRAWN	DATE	PROJECT
1"=110'	CMS	11/11/2011	1037507

Fort Wolters - TDCJ
Cross Post Road/Gr
Mineral Wells, Texas

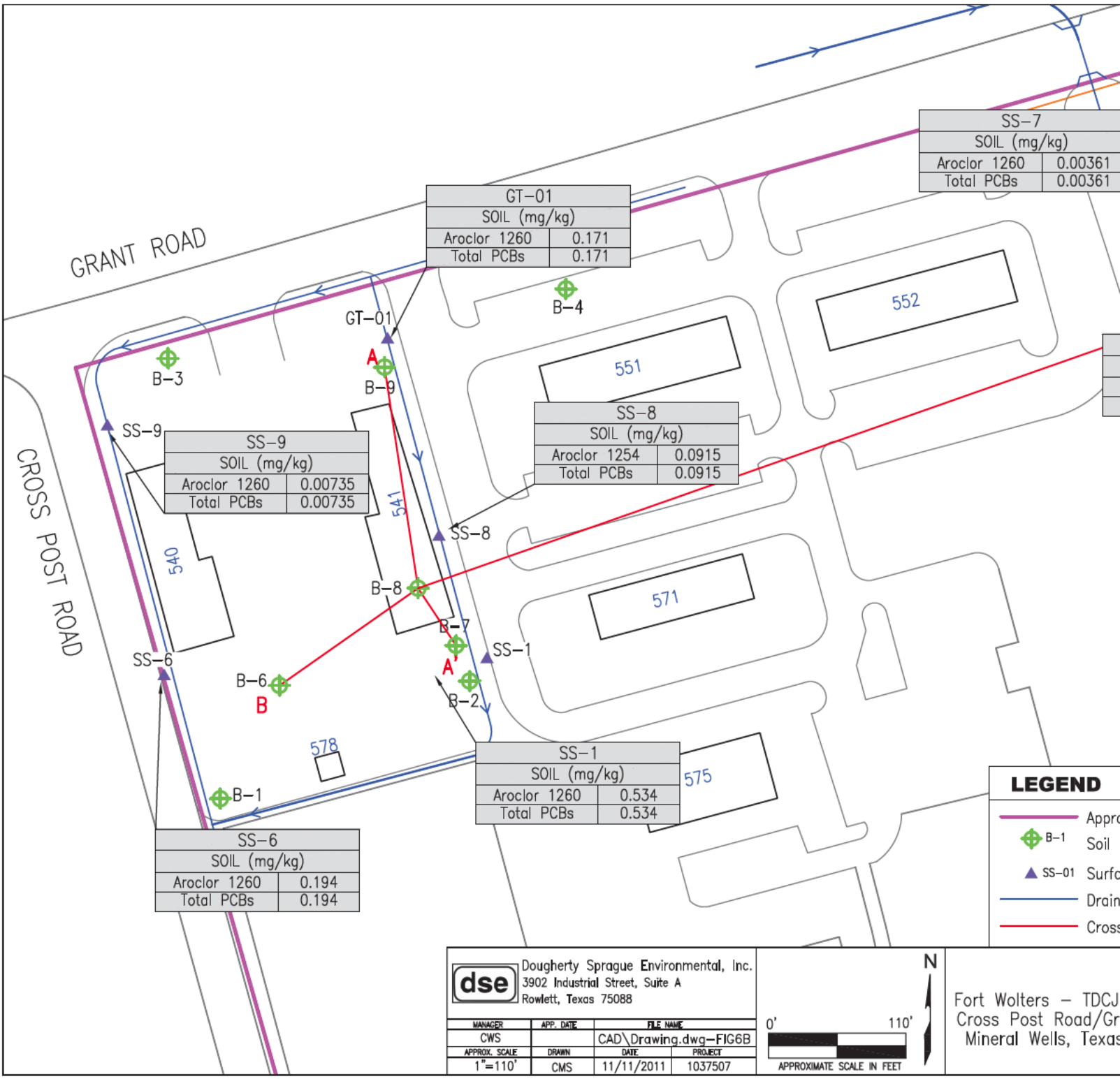

SS-9
SOIL (mg/kg)
Phenanthrene 0.130 J
Fluoranthene 0.389
Pyrene 0.389
Benzo(a)anthracene 0.162 J
Chrysene 0.335
Benzo(b)fluoranthene 0.302
Benzo(a)pyrene 0.183 J
Benzo(g,h,i)perylene 0.166 J
Benzo(k)fluoranthene 0.0767 J
Ideno(1,2,3-cd)pyrene 0.162 J
Dibenzo(a,h)anthracene 0.0578 J
GT-01
SOIL (mg/kg)
Acenaphthene 3.69 J
Dibenzofuran 3.00 J
Fluorene 4.52
Phenanthrene 44.3 J
Anthracene 7.23 J
Fluoranthene 48.7 J
Pyrene 47.4 J
Benzo(a)anthracene 40.40 J
Chrysene 32.70 J
Benzo(b)fluoranthene 33.00 J
Benzo(k)fluoranthene 3.22 J
Benzo(a)pyrene 4.9600
Indeno(1,2,3-cd)pyrene 13.30 J
Dibenzo(a,h)anthracene 1.54 J
Benzo(g,h,i)perylene 13.70 J
Naphthalene 2.54 J
Acenaphthylene 0.95 J
SS-2
SOIL (mg/kg)
3-Nitroaniline 0.117 J
Phenanthrene <0.0614 U
Benzoic Acid 0.861
Fluoranthene 0.053 J
Pyrene 0.0564 J
Chrysene 0.0623 J
Benzo(b)fluoranthene 0.0548 J
SS-8
SOIL (mg/kg)
Phenanthrene 5.74 J
Benzoic Acid 0.582
Fluoranthene 7.24 J
Pyrene 7.62 J
Benzo(a)anthracene 3.57
Chrysene 5.92 J
Benzo(b)fluoranthene 4.46 J
Benzo(a)pyrene 3.18
Benzo(g,h,i)perylene 2.43
Anthracene 0.971
Benzo(k)fluoranthene 1.90
Acenaphthylene 0.265 J
Acenaphthene 0.381
Ideno(1,2,3-cd)pyrene 2.44
Dibenzo(a,h)anthracene 0.878
Dibenzofuran 0.317 J
Fluorene 0.394
SS-1
SOIL (mg/kg)
3-Nitroaniline 1.08 J
Phenanthrene 0.837 J
Benzoic Acid 2.62 J
Fluoranthene 1.42 J
Pyrene 1.53 J
Benzo(a)anthracene 0.71 J
Chrysene 1.28 J
Benzo(b)fluoranthene 1.21 J
Benzo(a)pyrene 0.771 J
Benzo(g,h,i)perylene 0.878 J
Ideno(1,2,3-cd)pyrene 0.726 J
SS-6
SOIL (mg/kg)
Phenanthrene 139
Fluoranthene 154
Pyrene 148
Benzo(a)anthracene 58.8
Chrysene 97.3
Benzo(b)fluoranthene 70.0
Benzo(a)pyrene 52.1
Benzo(g,h,i)perylene 41.1
Anthracene 18.5
Benzo(k)fluoranthene 29.4 J
Acenaphthene 9.87 J
Ideno(1,2,3-cd)pyrene 40.7
Dibenzo(a,h)anthracene 14.3 J
Dibenzofuran 9.52 J
Fluorene 10.1 J
CROSS POST ROAD
B-3
SS-9
GT-01
A
B-9
541
SS-8
B-8
B-7
A'
SS-1
B-2
SS-6
B-6
B
540
578
552
571
LEGEND
B-1 Soil
SS-01 Surfa
Drain
Cross
dse
Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088
MANAGER CWS
APP. DATE
FILE NAME CAD\Drawing.dwg-FIG4B
APPROX. SCALE 1"=110'
DRAWN CMS
DATE 11/11/2011
PROJECT 1037507
0' 110'
APPROXIMATE SCALE IN FEET
N
Fort Wolters - TDCJ
Cross Post Road/Gr
Mineral Wells, Texas

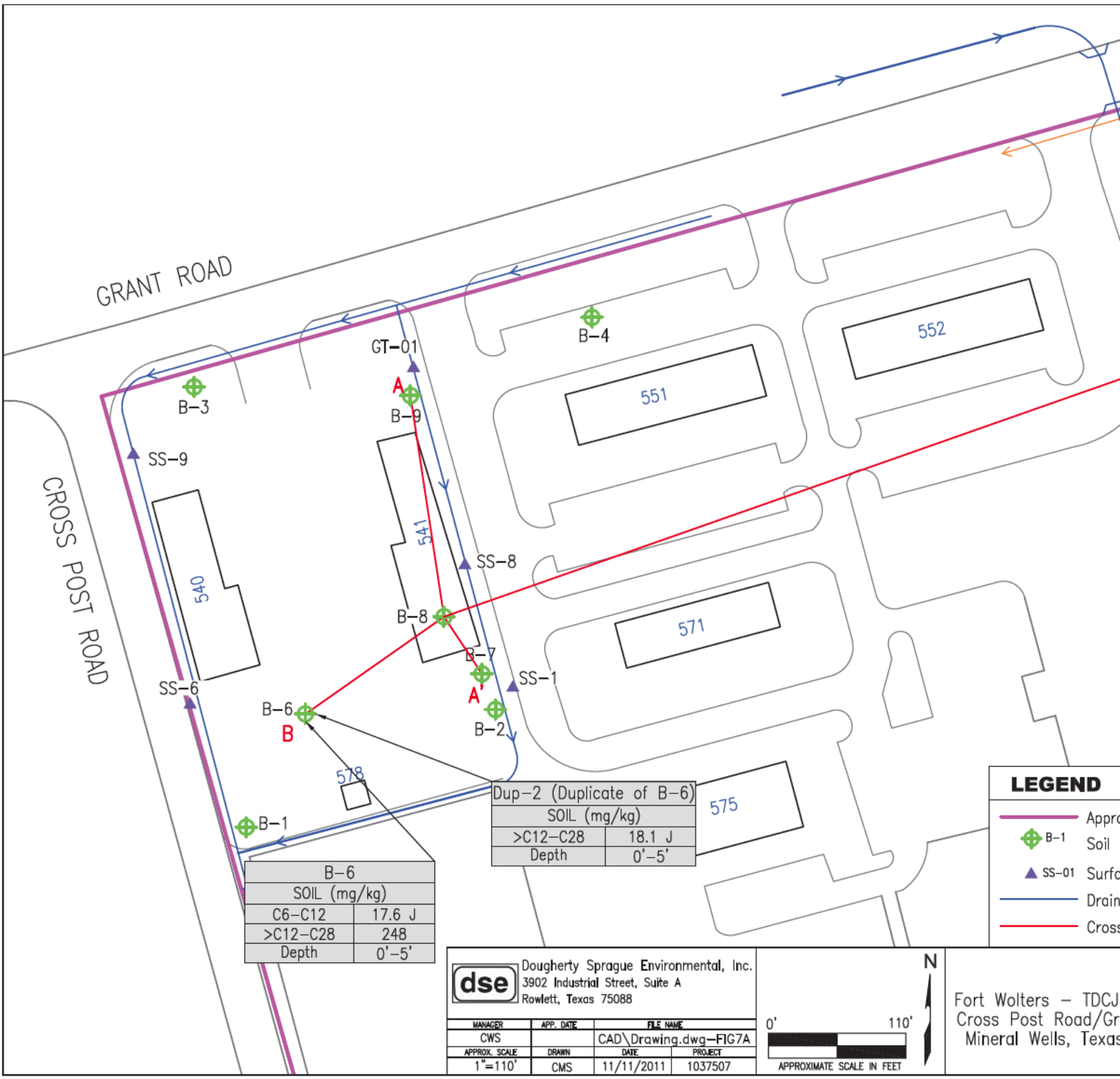

B-3
SOIL (mg/kg)
Arsenic 2.14 J
Barium 85.3
Chromium 11.8
Mercury 0.00600 J
Lead 14.50
Depth 0'-5'
B-4
SOIL (mg/kg)
Barium 268
Chromium 14.8
Mercury 0.00458 J
Lead 10.20
Depth 0'-5'
B-10
SOIL (mg/kg)
Arsenic 7.9700
Barium 175
Chromium 16.5
Mercury 0.0135 J
Lead 9.78
Depth 0'-5'
B-9
SOIL (mg/kg)
Arsenic 6.94
Barium 208
Chromium 13.9
Mercury 0.00405 J
Lead 6.18
Depth 5'-10'
B-6
SOIL (mg/kg)
Barium 66.0
Chromium 6.79
Mercury 0.00464 J
Lead 4.57
Depth 0'-5'
B-7
SOIL (mg/kg)
Arsenic 4.43
Barium 204
Chromium 25.3
Mercury 0.0129 J
Lead 14.10
Depth 10'-15'
B-2
SOIL (mg/kg)
Arsenic 1.77 J
Barium 180
Chromium 16.3
Mercury 0.00766 J
Lead 7.96
Depth 5'-10'
Dup-2 (Duplicate of B-6)
SOIL (mg/kg)
Arsenic 3.93
Barium 93.1
Chromium 8.26
Lead 2.96
Depth 0'-5'
B-8
SOIL (mg/kg)
Arsenic 5.03
Barium 209
Chromium 11.8
Mercury 0.00688 J
Lead 12.60
Depth 5'-10'
B-1
SOIL (mg/kg)
Arsenic 1.31 J
Barium 240
Chromium 16.2
Mercury 0.00404 J
Lead 11.20
Depth 5'-10'
GRANT ROAD
CROSS POST ROAD
GT-01
SS-9
SS-8
SS-6
SS-1
551
541
571
LEGEND
B-1 Soil
SS-01 Surfa
Drain
Cross
Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088
MANAGER CWS
APP. DATE
FILE NAME CAD\Drawing.dwg-FIG5A
APPROX. SCALE 1"=110'
DRAWN CMS
DATE 11/11/2011
PROJECT 1037507
0' 110'
APPROXIMATE SCALE IN FEET
N
Fort Wolters - TDCJ
Cross Post Road/Gr
Mineral Wells, Texas

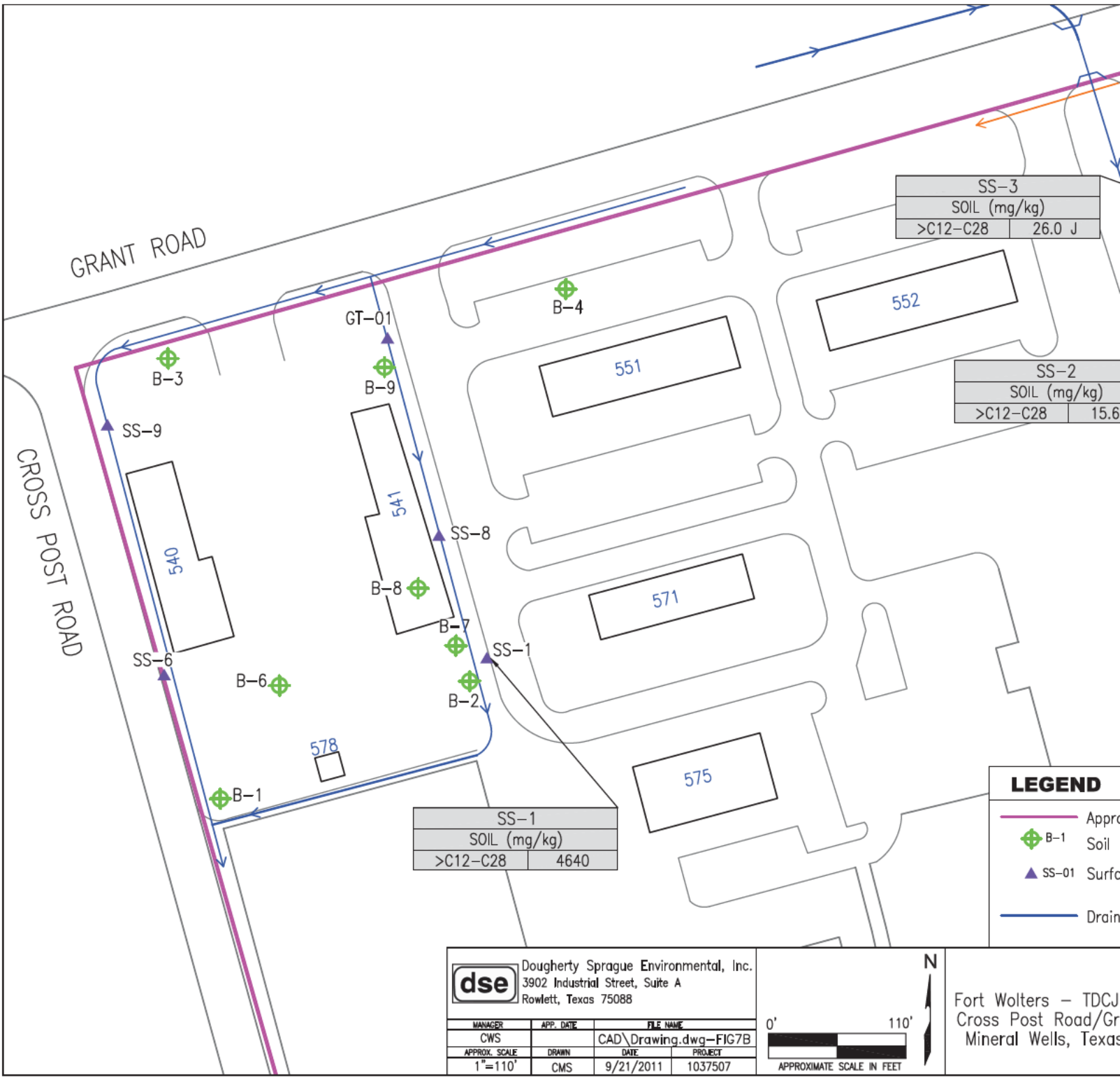

GRANT ROAD
CROSS POST ROAD
GT-01
SOIL (mg/kg)
Barium 218
Cadmium 6.23
Chromium 56.30
Mercury 0.991
Lead 1020
SS-7
SOIL (mg/kg)
Barium 93.2
Chromium 9.54
Mercury 0.0241 J
Lead 38.8
SS-2
SOIL (mg/kg)
Arsenic 1.12 J
Barium 126
Chromium 10.3
Mercury 0.0171 J
Lead 47.0
SS-3
SOIL (mg/kg)
Barium 296
Cadmium 0.654
Chromium 104
Mercury 0.0449
Lead 489.0
SS-9
SOIL (mg/kg)
Barium 312
Chromium 17.7
Mercury 0.0132 J
Lead 32.8
SS-8
SOIL (mg/kg)
Barium 116
Cadmium 3.91
Chromium 14.3
Mercury 0.0499
Lead 354.0
SS-5
SOIL (mg/kg)
Barium 116
Chromium 8.66
Mercury 0.00897 J
Lead 20.9
SS-1
SOIL (mg/kg)
Arsenic 3.43
Barium 388
Cadmium 9.7600
Chromium 124
Mercury 0.351
Lead 3220
SS-6
SOIL (mg/kg)
Barium 174
Cadmium 1.58
Chromium 62.7
Mercury 0.0973
Lead 931.0
B-1
B-2
B-3
B-4
B-6
B-7
B-8
B-9
SS-1
SS-6
SS-8
SS-9
GT-01
A
A'
B
551
571
575
578
540
541
LEGEND
B-1 Soil
SS-01 Surfa
Drain
Cross
dse
Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088
MANAGER CWS
APP. DATE
FILE NAME CAD\Drawing.dwg-FIG5B
APPROX. SCALE 1"=110'
DRAWN CMS
DATE 11/11/2011
PROJECT 1037507
0' 110'
APPROXIMATE SCALE IN FEET
N
Fort Wolters – TDCJ
Cross Post Road/Gr
Mineral Wells, Texas



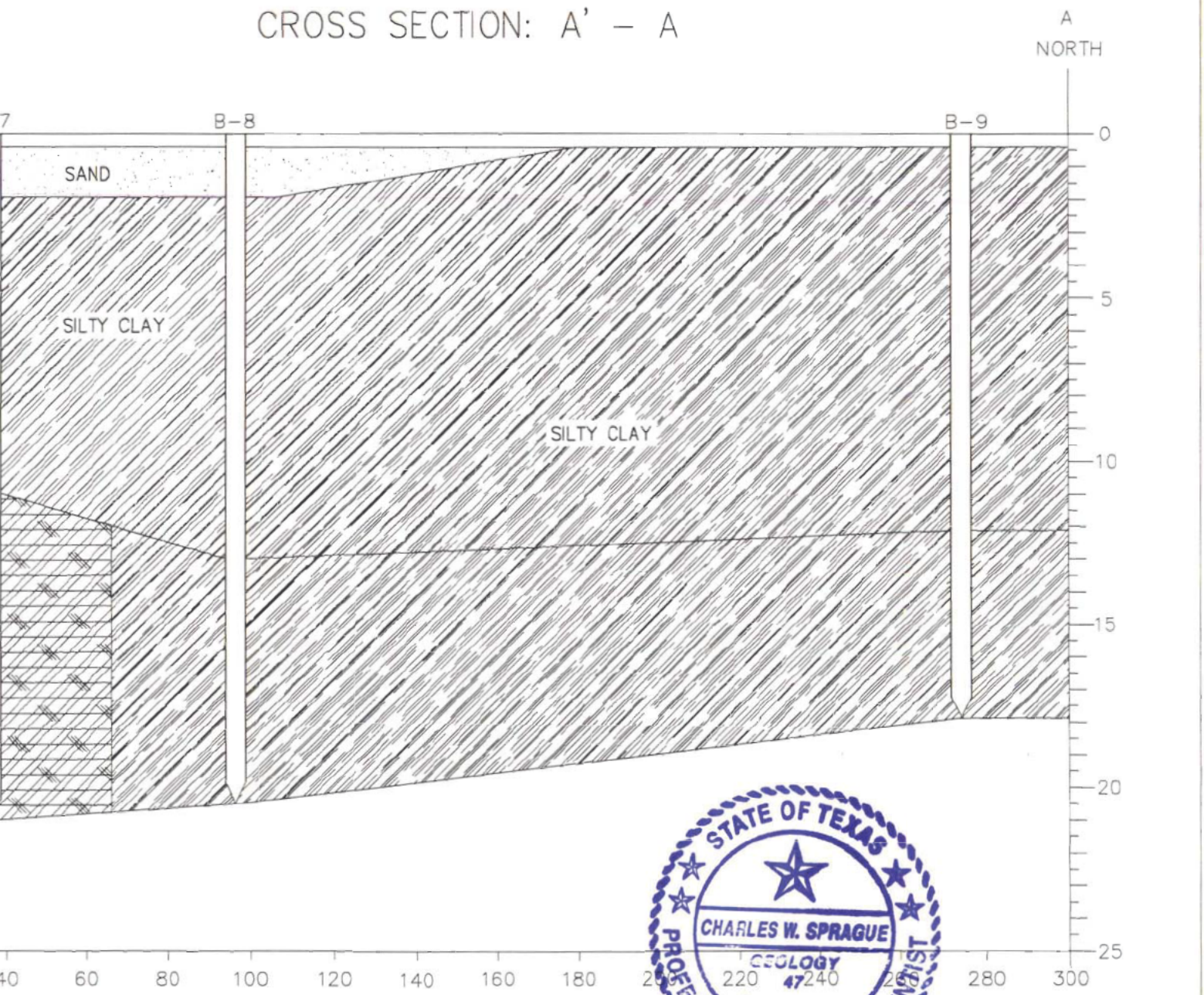
Dup-2 (Duplicate of B-6)	
SOIL (mg/kg)	
Aroclor 1254	0.0140
Total PCBs	0.0140
Depth	0'-5'


GRANT ROAD
CROSS POST ROAD
GT-01
SOIL (mg/kg)
Aroclor 1260 0.171
Total PCBs 0.171
SS-7
SOIL (mg/kg)
Aroclor 1260 0.00361
Total PCBs 0.00361
SS-8
SOIL (mg/kg)
Aroclor 1254 0.0915
Total PCBs 0.0915
SS-9
SOIL (mg/kg)
Aroclor 1260 0.00735
Total PCBs 0.00735
SS-1
SOIL (mg/kg)
Aroclor 1260 0.534
Total PCBs 0.534
SS-6
SOIL (mg/kg)
Aroclor 1260 0.194
Total PCBs 0.194
B-1
B-2
B-3
B-4
B-6
B-7
B-8
B-9
GT-01
SS-1
SS-6
SS-8
SS-9
A
A'
B
540
541
551
552
571
575
578
LEGEND
B-1 Soil
SS-01 Surfa
Drain
Cross
Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088
MANAGER CWS
APP. DATE
FILE NAME CAD\Drawing.dwg-FIG6B
APPROX. SCALE 1"=110'
DRAWN CMS
DATE 11/11/2011
PROJECT 1037507
0' 110'
APPROXIMATE SCALE IN FEET
N
Fort Wolters – TDCJ
Cross Post Road/Gr
Mineral Wells, Texas


GRANT ROAD
CROSS POST ROAD
B-3
GT-01
A
B-9
B-4
552
551
SS-9
541
SS-8
540
B-8
571
B-7
A'
SS-1
SS-6
B-6
B
B-2
578
575
B-1
LEGEND
B-1
Soil
SS-01
Drain
Cross
B-6
SOIL (mg/kg)
C6-C12 17.6 J
>C12-C28 248
Depth 0'-5'
Dup-2 (Duplicate of B-6)
SOIL (mg/kg)
>C12-C28 18.1 J
Depth 0'-5'
dse
Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088
MANAGER CWS
APP. DATE
FILE NAME CAD\Drawing.dwg-FIG7A
APPROX. SCALE 1"=110'
DRAWN CMS
DATE 11/11/2011
PROJECT 1037507
N
0' 110'
APPROXIMATE SCALE IN FEET
Fort Wolters - TDCJ
Cross Post Road/Gr
Mineral Wells, Texas


GRANT ROAD
CROSS POST ROAD
B-3
GT-01
B-9
B-4
SS-9
540
541
SS-8
B-8
B-7
SS-1
SS-6
B-6
B-2
578
B-1
551
552
571
575
SS-3
SOIL (mg/kg)
>C12-C28
26.0 J
SS-2
SOIL (mg/kg)
>C12-C28
15.6
SS-1
SOIL (mg/kg)
>C12-C28
4640
LEGEND
B-1
SS-01
Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088
MANAGER
CWS
APP. DATE
FILE NAME
CAD\Drawing.dwg-FIG7B
APPROX. SCALE
1"=110'
DRAWN
CMS
DATE
9/21/2011
PROJECT
1037507
0'
110'
APPROXIMATE SCALE IN FEET
N
Fort Wolters – TDCJ
Cross Post Road/Gr
Mineral Wells, Texas

CROSS SECTION: A' – A



ERATION: 12x

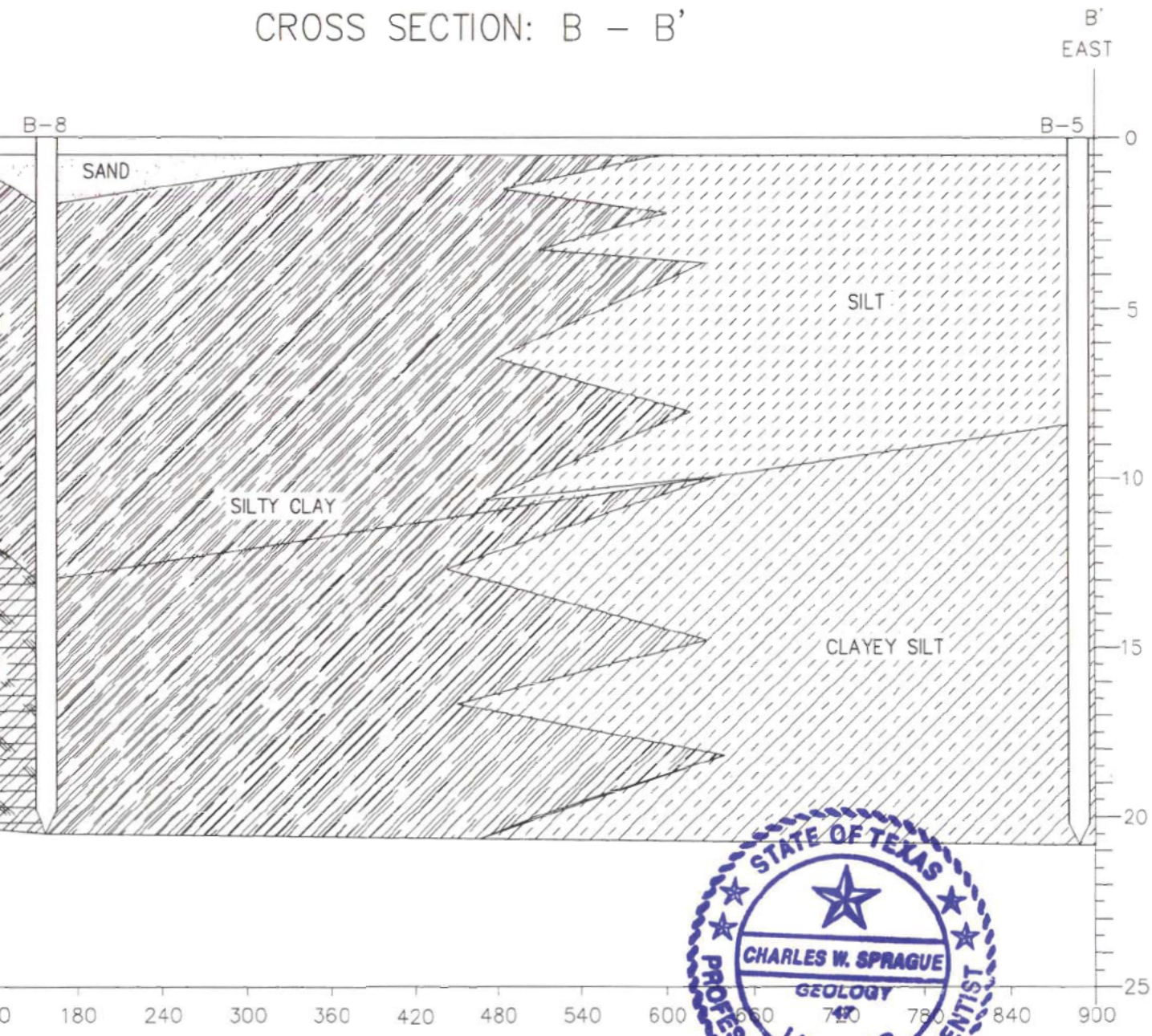
STATE OF TEXAS
CHARLES W. SPRAGUE
GEOLOGY
47
LICENSED
PROFESSIONAL GEOSCIENTIST

11-21-4

FIGURE 8a
CROSS SECTION: A'-A

Fort Wolters – TDCJ Property
Cross Post Road/Grant Road
Mineral Wells, Texas 76067

CROSS SECTION: B – B'



RATION: 36x

STATE OF TEXAS
CHARLES W. SPRAGUE
GEOLOGY
LICENSED
PROFESSIONAL GEOSCIENTIST

4-21-11

FIGURE 8b
CROSS SECTION: B-B'
Fort Wolters – TDCJ Property
Cross Post Road/Grant Road
Mineral Wells, Texas 76067

APPENDIX B

TABLES

Table 1: VOCs Analytical Data Summary Table
Fort Wolters TDCJ Property, Mineral Wells, Texas
2011 Sampling Event

Volatile Organic Compounds

Date	Methylene Chloride		p-Isopropyl-toluene		n-Butylbenzene		1,2,3-trichloro-benzene		1,2,4-trichloro-benzene		Naphthalene		Hexaclhoro-butadiene		
Soil Samples (mg/Kg)															
17-Aug-11	**0.0180**	**JB**	<0.00722	U	<0.00839	U	<0.00842	U	<0.00766	U	<0.00881	U	<0.0142	U	
17-Aug-11	**0.0211**	**JB**	<0.00682	U	<0.00894	U	<0.00898	U	<0.00817	U	<0.00940	U	<0.0151	U	
17-Aug-11	**0.0211**	**JB**	<0.00769	U	**0.00800**	**JB**	<0.00797	U	<0.00725	U	**0.0280**	**JB**	<0.0134	U	
17-Aug-11	<0.00779	U	<0.00704	U	<0.00819	U	<0.00822	U	<0.00748	U	**0.0360**	**JB**	<0.0138	U	
17-Aug-11	**0.0169**	**JB**	<0.00703	U	<0.00817	U	<0.00821	U	<0.00747	U	**0.0176**	**JB**	<0.0138	U	
18-Aug-11	**0.0116**	**JB**	**0.0132**	**J**	<0.00830	U	<0.00834	U	<0.00758	U	**0.0331**	**JB**	**0.0171**	**JB**	
18-Aug-11	**0.0221**	**JB**	**0.00864**	**J**	<0.00821	U	<0.00824	U	<0.00750	U	**0.0414**	**JB**	**0.0284**	**JB**	
18-Aug-11	**0.0174**	**JB**	<0.00726	U	<0.00845	U	<0.00848	U	<0.00772	U	**0.0118**	**JB**	<0.0142	U	
18-Aug-11	**0.0218**	**JB**	<0.00725	U	<0.00843	U	<0.00846	U	<0.00770	U	<0.00886	U	<0.0142	U	
18-Aug-11	**0.0206**	**JB**	<0.00862	U	<0.00830	U	<0.00834	U	<0.00758	U	<0.00872	U	<0.0140	U	
18-Aug-11	**0.0209**	**JB**	<0.00838	U	<0.00807	U	**0.0114**	**J**	**0.00800**	**JB**	**0.0156**	**JB**	<0.0136	U	
17-Aug-11	**0.0228**	**JB**	<0.00667	U	<0.00776	U	**0.0104**	**JB**	**0.00824**	**JB**	**0.0266**	**JB**	**0.0197**	**JB**	
17-Aug-11	**0.0284**	**JB**	<0.00718	U	<0.00835	U	<0.00838	U	<0.00763	U	**0.0174**	**JB**	<0.0141	U	
17-Aug-11	**0.0210**	**JB**	**0.00787**	**J**	<0.00880	U	<0.00884	U	<0.00804	U	**0.0134**	**JB**	<0.0148	U	
17-Aug-11	**0.0185**	**JB**	<0.00700	U	<0.00814	U	<0.00818	U	<0.00744	U	<0.00856	U	<0.0137	U	
17-Aug-11	**0.0239**	**JB**	<0.00772	U	<0.00898	U	<0.00901	U	<0.00820	U	<0.00943	U	<0.0151	U	
17-Aug-11	**0.0174**	**JB**	0.00679	U	<0.00790	U	<0.00793	U	<0.00722	U	<0.00830	U	<0.0133	U	
17-Aug-11	**0.0234**	**JB**	<0.00886	U	<0.0103	U	<0.0103	U	<0.00941	U	**0.0175**	**JB**	<0.0174	U	
18-Aug-11	**0.0219**	**JB**	<0.00714	U	<0.00830	U	<0.00834	U	<0.00758	U	<0.00872	U	<0.0140	U	
18-Aug-11	**0.0190**	**JB**	<0.00799	U	<0.00929	U	<0.00932	U	<0.00848	U	<0.00976	U	<0.0157	U	
18-Aug-11	**0.0197**	**JB**	<0.00726	U	<0.00845	U	<0.00848	U	<0.00772	U	<0.00888	U	<0.0142	U	
n levels	—		—		—		—		—		**389**		—		
ommercial cre source)	**960**	**c**	**8,800**		**6,900**		**1,600**		**660**	**c**	**360**		**41**	**c**	

ATIONS

Sample Detection Limit (The concentration to the right of the < symbol in the table above.)	J- The reported concentration is an estimated value.
Above SDL	B- Analyte detected in the corresponding method blank above the method detection limit.
As established by TRRP	U- The analyte is not detected above the SDL.
Above PCLs	c- Carcinogenic

miligrams per liter (ppm - parts per million)

mg/Kg - miligrams per kilogram (ppm - parts per million)

ble 2: SVOCs Analytical Data Summary Table
Wolters TDCJ Property, Mineral Wells, Texas
2011 Sampling Event
Semi-Volatile Organic Compounds

Benzo(a) anthracene	Chrysene	Benzo(b) fluoran-thene	Benzo(a)-pyrene	Benzo(g,h,i) perylene	Anthra- cene	Benzo(k) fluoran-thene	Acenaph-thylene	Acenaph-thene	Ideno(1,2,3-cd) pyrene	Dibenzo (a,h)anthra-cene	Dibenzo-furan	Fluorene
Soil Samples (mg/Kg)												
0.71 J	1.28 J	1.21 J	0.771 J	0.726 J	<0.384 U	<0.499 U	<0.591 U	<0.594 U	0.726 J	<0.502 U	<0.472 U	<0.663 U
<0.0426 U	0.0623 J	0.0548 J	<0.0510 U	<0.0482 U	<0.0414 U	<0.0537 U	<0.0636 U	<0.0639 U	<0.0492 U	<0.0541 U	<0.0507 U	<0.0714 U
<0.449 U	<0.601 U	<0.461 U	<0.537 U	<0.508 U	<0.436 U	<0.566 U	<0.670 U	<0.674 U	<0.519 U	<0.570 U	<0.535 U	<0.752 U
<0.0416 U	<0.0556 U	<0.0427 U	<0.0497 U	<0.0470 U	<0.0403 U	<0.0524 U	<0.0620 U	<0.0623 U	<0.0480 U	<0.0527 U	<0.0495 U	<0.0696 U
<0.0458 U	<0.0613 U	<0.0470 U	<0.0548 U	<0.0518 U	<0.0444 U	<0.0578 U	<0.0683 U	<0.0687 U	<0.0530 U	<0.0581 U	<0.0546 U	<0.0767 U
<0.0403 U	<0.0540 U	<0.0414 U	<0.0482 U	<0.0456 U	<0.0391 U	<0.0508 U	<0.0601 U	<0.0604 U	<0.0466 U	<0.0511 U	<0.0480 U	<0.0675 U
58.8	97.3	70.0	52.1	41.1	18.5	29.4 J	<7.84 U	9.87 J	40.7	14.3 J	9.52 J	10.1 J
<0.0424 U	<0.0567 U	<0.0435 U	<0.0507 U	<0.0479 U	<0.0411 U	<0.0534 U	<0.0632 U	<0.0636 U	<0.0490 U	<0.0538 U	<0.0504 U	<0.0710 U
3.57	5.92 J	4.46 J	3.18	2.43	0.971	1.90	0.265 J	0.381	2.44	0.878	0.317 J	0.394
0.162 J	0.335	0.302	0.183 J	0.166 J	<0.0418 U	0.0767 J	<0.0643 U	<0.0646 U	0.162 J	0.0578 J	<0.0513 U	<0.0722 U
0.877	7.2	0.877	0.0877	8.24	13	8.77	543	314	0.877	0.0877	—	247
24 c	2,400 c	24 c	2.4 c	19,000	190,000	240 c	37,000	37,000	24 c	2.4 c	2,700	25,000

concentration is an estimated value.

ted in the correspondingmethod blank above the method detection limit.

s not detected above the SDL.

ram (ppm - parts per million)

Table 3: RCRA 8 Metal Analytical Data Summary Table
Fort Wolters TDCJ Property, Mineral Wells, Texas
2011 Sampling Event

	RCRA 8 Metals							
Date	Silver (Ag)	Arsenic (As)	Barium (Ba)	Cadmium (Cd)	Chromium (Cr)	Mercury (Hg)	Lead (Pb)	Selenium (Se)
Soil Samples (mg/Kg)								
17-Aug-11	<0.0425 U	**1.31 J**	**240**	<0.0642 U	**16.2**	**0.00404 J**	**11.2**	<0.244 U
17-Aug-11	<0.0453 U	**1.77 J**	**180**	<0.0685 U	**16.3**	**0.00766 J**	**7.96**	<0.260 U
17-Aug-11	<0.0402 U	**2.14 J**	**85.3**	<0.0607 U	**11.8**	**0.00600 J**	**14.5**	<0.231 U
17-Aug-11	<0.0415 U	<0.308 U	**268**	<0.0627 U	**14.8**	**0.00458 J**	**10.2**	<0.238 U
17-Aug-11	<0.0414 U	<0.307 U	**164**	<0.0626 U	**14.5**	**0.00658 J**	**9.66**	<0.238 U
18-Aug-11	<0.0420 U	<0.312 U	**66.0**	<0.0636 U	**6.79**	**0.00464 J**	**4.57**	<0.241 U
18-Aug-11	<0.0749 U	**3.93**	**93.1**	<0.0250 U	**8.26**	<0.00233 U	**2.96**	<0.336 U
18-Aug-11	<0.0428 U	**4.43**	**204**	<0.0646 U	**25.3**	**0.0129 J**	**14.1**	<0.246 U
18-Aug-11	<0.0426 U	**5.03**	**209**	<0.0645 U	**11.8**	**0.00688 J**	**12.6**	<0.245 U
18-Aug-11	<0.0757 U	**6.94**	**208**	<0.0253 U	**13.9**	**0.00405 J**	**6.18**	<0.339 U
18-Aug-11	<0.0736 U	**7.97**	**175**	<0.0246 U	**16.5**	**0.0135 J**	**9.78**	<0.330 U
17-Aug-11	<0393 U	**3.43**	**388**	**9.76**	**124**	**0.351**	**3220**	<0.226 U
17-Aug-11	<0.0423 U	**1.12 J**	**126**	<0.0639 U	**10.3**	**0.0171 J**	**47.0**	<0.243 U
17-Aug-11	<0.0446 U	<0.331 U	**296**	**0.654**	**104**	**0.0449**	**489**	<0.256 U
17-Aug-11	<0.0412 U	**2.78**	**174**	<0.0623 U	**13.7**	**0.0284**	**31.6**	<0.237 U
17-Aug-11	<0.0454 U	**1.58**	**188**	<0.0687 U	**17.0**	**0.0172 J**	**33.4**	<0.261 U
17-Aug-11	<0.0400 U	<0.297 U	**116**	<0.0604 U	**8.66**	**0.00897 J**	**20.9**	<0.230 U
17-Aug-11	<0.0521 U	<0.387 U	**174**	**1.58**	**62.7**	**0.0973**	**931**	<0.299 U
18-Aug-11	<0.0420 U	<0.312 U	**93.2**	<0.0636 U	**9.54**	**0.0241 J**	**38.8**	<0.241 U
18-Aug-11	<0.0470 U	<0.349 U	**116**	**3.91**	**14.3**	**0.0499**	**354**	<0.270 U
18-Aug-11	<0.0428 U	<0.317 U	**312**	<0.0646 U	**17.7**	**0.0132 J**	**32.8**	<0.246 U
n levels	—	**5.9**	**300**	—	**30**	**0.04**	—*	—
ommercial cre source)	**1,900**	**200 c**	**100,000**	**21,000 c-**	**120,000**	**6.2**	**1600***	**4,800**

ATIONS

Sample Detection Limit (The concentration to the right of the < symbol in the table above.)	J- The reported concentration is an estimated value.
Above SDL	B- Analyte detected in the corresponding method blankabove the method detection limit.
As established by TRRP	U- The analyte is not detected above the SDL.
Above PCLs	c- Carcinogenic
miligrams per liter (ppm - parts per million)	mg/Kg - miligrams per kilogram (ppm - parts per million)
Texas Specific Soil Background Concentration is 15 ppm	-Sample was above the Texas Specific Soil Background Concentration

Table 4: TPH Analytical Data Summary Table
Fort Wolters TDCJ Property, Mineral Wells, Texas
2011 Sampling Event

Total Petroleum Hydrocarbons

Date	C_6 - C_{12}		$>C_{12}$ - C_{28}						
Soil Samples (mg/Kg)									
17-Aug-11	<14.8	U	<12.9	U					
17-Aug-11	<15.8	U	<13.7	U					
17-Aug-11	<14.0	U	<12.2	U					
17-Aug-11	<14.5	U	<12.6	U					
17-Aug-11	<14.5	U	<12.6	U					
18-Aug-11	**17.6**	**J**	**248**						
18-Aug-11	<14.5	U	**18.1**	**J**					
18-Aug-11	<14.9	U	<13.0	U					
18-Aug-11	<14.9	U	<12.9	U					
18-Aug-11	<14.7	U	<12.8	U					
18-Aug-11	<14.3	U	<12.4	U					
17-Aug-11	<13.7	U	**4640**						
17-Aug-11	<14.8	U	**15.6**	**J**					
17-Aug-11	<15.6	U	**26.0**	**J**					
17-Aug-11	<14.4	U	<12.5	U					
17-Aug-11	<15.9	U	<13.8	U					
17-Aug-11	<14.0	U	<12.1	U					
17-Aug-11	<18.2	U	<15.8	U					
18-Aug-11	<14.7	U	<12.8	U					
18-Aug-11	<16.4	U	<14.3	U					
18-Aug-11	<14.9	U	<13.0	U					
n levels	—		—*						
ommercial cre source)	**3,900**		**12,000**						

ATIONS

Sample Detection Limit (The concentration to the right of the < symbol in the table above.)	J- The reported concentration is an estimated value.
Above SDL	B- Analyte detected in the corresponding method blank above the method detection limit.
As established by TRRP	U- The analyte is not detected above the SDL.
Above PCLs	c- Carcinogenic

miligrams per liter (ppm - parts per million) mg/Kg - miligrams per kilogram (ppm - parts per million)

The PST program has no action levels for TPH. Any TPH $>C_{12}$ detected was screened for pertinent PAHs by SVOC TRRP analysis.

Table 5: PCBs Analytical Data Summary Table
Fort Wolters TDCJ Property, Mineral Wells, Texas
2011 Sampling Event

PCBs

	Date	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs
Soil Samples (mg/Kg)										
	17-Aug-11	<0.00138 U	<0.00147 U	<0.00166 U	<0.00173 U	<0.00132 U	<0.00152 U	<0.00139 U	<0.00161 U	<0.00132 U
	17-Aug-11	<0.00141 U	<0.00157 U	<0.00177 U	<0.00184 U	<0.00141 U	<0.00162 U	<0.00148 U	<0.00172 U	<0.00141 U
	17-Aug-11	<0.00131 U	<0.00139 U	<0.00157 U	<0.00163 U	<0.00125 U	<0.00144 U	<0.00132 U	<0.00152 U	<0.00125 U
	17-Aug-11	<0.00135 U	<0.00144 U	<0.00162 U	<0.00168 U	<0.00129 U	<0.00148 U	<0.00136 U	<0.00157 U	<0.00129 U
	17-Aug-11	<0.00134 U	<0.00143 U	<0.00161 U	<0.00168 U	<0.00129 U	<0.00148 U	<0.00136 U	<0.00157 U	<0.00129 U
	18-Aug-11	<0.00137 U	<0.00146 U	<0.00164 U	<0.00171 U	<0.00131 U	<0.00150 U	<0.00138 U	<0.00159 U	<0.00131 U
)	18-Aug-11	<0.00135 U	<0.00144 U	<0.00162 U	<0.00169 U	<0.00130 U	0.0140	<0.00136 U	<0.00158 U	0.0140
	18-Aug-11	<0.00139 U	<0.00148 U	<0.00167 U	<0.00174 U	<0.00133 U	<0.00153 U	<0.00140 U	<0.00162 U	<0.00133 U
	18-Aug-11	<0.00139 U	<0.00148 U	<0.00166 U	<0.00173 U	<0.00133 U	<0.00153 U	<0.00140 U	<0.00162 U	<0.00133 U
	18-Aug-11	<0.00137 U	<0.00146 U	<0.00164 U	<0.00171 U	<0.00131 U	<0.00150 U	<0.00138 U	<0.00159 U	<0.00131 U
	18-Aug-11	<0.00133 U	<0.00142 U	<0.00159 U	<0.00166 U	<0.00127 U	<0.00146 U	<0.00134 U	<0.00155 U	<0.00127 U
	17-Aug-11	<0.00639 U	<0.00681 U	<0.00766 U	<0.00798 U	<0.00612 U	<0.00702 U	0.534	<0.00745 U	0.534
	17-Aug-11	<0.0206 U	<0.0220 U	<0.0247 U	<0.0258 U	<0.0198 U	<0.0227 U	<0.0208 U	<0.0240 U	<0.0198 U
	17-Aug-11	<0.00725 U	<0.00773 U	<0.00870 U	<0.00906 U	<0.00694 U	<0.00797 U	0.0383	<0.00845 U	0.0383
	17-Aug-11	<0.00134 U	<0.00143 U	<0.00161 U	<0.00168 U	<0.00128 U	<0.00147 U	<0.00135 U	<0.00156 U	<0.00128 U
-4)	17-Aug-11	<0.00148 U	<0.00158 U	<0.00177 U	<0.00185 U	<0.00142 U	<0.00162 U	<0.00149 U	<0.00172 U	<0.00142 U
	17-Aug-11	<0.00130 U	<0.00139 U	<0.00156 U	<0.00162 U	<0.00124 U	<0.00143 U	<0.00131 U	<0.00152 U	<0.00124 U
	17-Aug-11	<0.0169 U	<0.0181 U	<0.0203 U	<0.0212 U	<0.0162 U	<0.0186 U	0.194	<0.0198 U	0.194
	18-Aug-11	<0.00137 U	<0.00146 U	<0.00164 U	<0.00171 U	<0.00131 U	<0.00150 U	0.00361	<0.00159 U	0.00361
	18-Aug-11	<0.0153 U	<0.0163 U	<0.0183 U	<0.0191 U	<0.0146 U	0.0915	<0.0154 U	<0.0178 U	0.0915
	18-Aug-11	<0.00139 U	<0.00148 U	<0.00167 U	<0.00174 U	<0.00133 U	<0.00153 U	0.00735	<0.00162 U	0.00735
ction levels		—	—	—	—	—	—	—	—	—
ombined trial Soil PCL										**7.7 c**

BREVIATIONS

L - Detection Limit (The concentration to the right of the < symbol in the table

D - Above SDL

L - As established by TRRP

Above PCLs

L - miligrams per liter (ppm - parts per million)

J- The reported concentration is an estimated value.

B- Analyte is detected in the corresponding method blank above the method detection limit.

U- The analyte is not detected above the SDL.

c- Carcinogenic

mg/Kg - miligrams per kilogram (ppm - parts per million)

rit Trap Combined Analytical Data Summary Table
Wolters TDCJ Property, Mineral Wells, Texas
2011 Sampling Event

Semi-Volatile Organic Compounds

thene	Pyrene	Benzo(a) anthracene	Chrysene	Benzo(b) fluoran- thene	Benzo(k) fluoran- thene	Benzo(a)- pyrene	Ideno(1,2,3-cd) pyrene	Dibenzo (a,h)anthra- cene	Benzo(g,h,i) perylene	Naph- thalene	Acenaph- thylene
	Soil Samples (mg/Kg)										
J	47.4 J	20.40 J	32.70 J	33.00 J	3.22 J	4.96	13.30 J	1.54 J	13.70 J	2.54 J	0.95 J
6	99	0.877	7.2	0.877	8.77	0.0877	0.877	0.0877	8.24	389	543
00	19,000	24 c	2,400 c	24 c	240 c	2.4 c	24 c	2.4 c	19,000	360	37,000

TPH			RCRA 8 METALS								
C_{12}	$>C_{12}$-C_{28}		Silver	Arsenic	Barium	Cadmium	Chromium	Mercury	Lead	Selenium	
	Soil Samples (mg/Kg)										
U	<16.9 U		<0.0558 U	<0.414 U	218	6.23	56.30	0.991	1020	<0.321 U	
	—*		—	—	—	—	—	—	—†	—	
0	12,000		1,900	200 c	100,000	21,000 c	120,000	6.2	1600†	4,800	

1254	Aroclor 1260	Aroclor 1268	Total PCBs
2 U	0.534	<0 00745 U	0.534
			—
			7.7 c

s an estimated value.

corresponding method blank aboved the method detection limit.

cted above the SDL.

parts per million)

kground Concentration is 15 ppm

creened for pertinent PAHs by SVOC TRRP analysis.

APPENDIX C

BORING LOGS

SHEET 1 OF 1

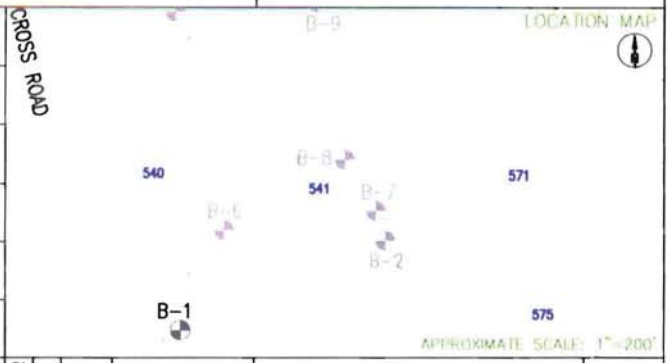
Dougherty Sprague Environmental, Inc.

DRILLING LOG: B-1

PROJECT: Fort Wolters Phase II

LOCATION: Mineral Wells, Texas

DATE HOLE STARTED/COMPLETED	DRILLING AGENCY/DRILLER'S NAME
8/17/2011	MagnaCore/K. Burdick
TOTAL DEPTH OF HOLE	**DRILLING EQUIPMENT**
30'	GeoProbe 6600
ELEVATION	**DRILLING METHOD/SAMPLING METHOD**
--	DP/ST and SST/Grab
GROUNDWATER ELEVATION	**GEOLOGIST** / **DRAWN**
--	CWS / CMS



DEPTH (ft.)	LEGEND (U.S.C.S.)	DESCRIPTION OF MATERIALS	GRAPHIC LOG	PID (p.p.m.)	RECOVER	SAMPLE	SAMPLE I.D.	LABORATORY DATA	NO WELL	DEPTH (ft.)
0		GROUND SURFACE								0
		6" asphalt, road base								
		Stiff yellowish-red clayey SAND (dry)		163						
		gravelly								
5		Stiff brown silty CLAY (dry)		234			B-1 5-10'	See Table for Lab Data		5
		as above (dry)								
10		soft		138						10
		silty								
		very stiff								
15		Very stiff greenish-gray to olive-gray shaley CLAY, laminar (dry)		125						15
		fine sand seam								
20		Firm yellowish-red silty CLAY		93.1	GRAB					20
		as above (dry)								
25		as above (dry)		77	GRAB					25
30		TOTAL DEPTH @ 30'								30
		DP REFUSAL @ 21.5'								
35										

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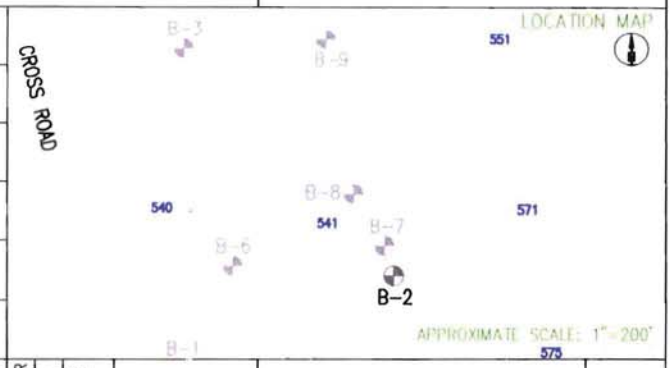
SHEET 1 OF 1	Dougherty Sprague Environmental, Inc.	DRILLING LOG: B-2

PROJECT: Fort Wolters Phase II		
LOCATION: Mineral Wells, Texas		
DATE HOLE STARTED/COMPLETED: 8/17/2011	DRILLING AGENCY/DRILLER'S NAME: MagnaCore/K. Burdick	
TOTAL DEPTH OF HOLE: 22.3'	DRILLING EQUIPMENT: GeoProbe 6600	
ELEVATION: --	DRILLING METHOD/SAMPLING METHOD: DP / ST	
GROUNDWATER ELEVATION: --	GEOLOGIST: CWS	DRAWN: CMS



DEPTH (ft.)	LEGEND (U.S.C.S.)	DESCRIPTION OF MATERIALS	GRAPHIC LOG	PID (p.p.m.)	RECOVER	SAMPLE	SAMPLE I.D.	LABORATORY DATA	NO WELL
0		Ground Surface: Grass 6" asphalt, road base Firm yellowish-red clayey SILT (dry)		41					
5		as above (dry) becoming more clayey with brownish yellow mottling		105			B-2 5-10'	See Table for Lab Data	
10		Stiff greenish-gray to olive-gray shaley CLAY, laminar (dry)		24.1					
15		as above with brownish-yellow mottling (dry)		11.3					
20									
25		REFUSAL @ 22.3'							
30									
35									

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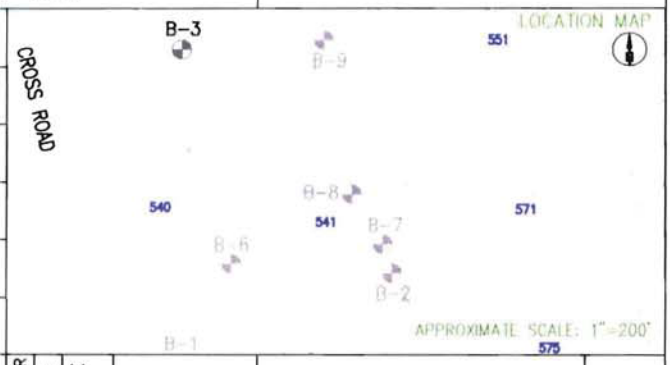
SHEET 1 OF 1

Dougherty Sprague Environmental, Inc.

DRILLING LOG: B-3

PROJECT: Fort Wolters Phase II	
LOCATION: Mineral Wells, Texas	
DATE HOLE STARTED/COMPLETED: 8/17/2011	DRILLING AGENCY/DRILLER'S NAME: MagnaCore/K. Burdick
TOTAL DEPTH OF HOLE: 21'	DRILLING EQUIPMENT: GeoProbe 6600
ELEVATION: ---	DRILLING METHOD/SAMPLING METHOD: DP / ST
GROUNDWATER ELEVATION: ---	GEOLOGIST: CWS; DRAWN: CMS



DEPTH (ft.)	LEGEND (U.S.C.S.)	DESCRIPTION OF MATERIALS	GRAPHIC LOG	PID (p.p.m.)	RECOVER	SAMPLE	SAMPLE I.D.	LABORATORY DATA	NO WELL	DEPTH (ft.)
0		Ground Surface 6" grass, roots, soil								0
		Firm yellowish-red clayey fine grained SAND (dry)		158			B-3 0-5'	See Table for Lab Data		
5										5
		Firm yellowish-red silty CLAY (dry) - sandy and gravelly		27.9						
10										10
		Stiff olive-gray silty CLAY with light gray, dark gray, brownish-yellow and yellowish-red mottling (dry) - gravelly		7.0						
15										15
		Stiff olive-gray to greenish gray shaley CLAY, laminar, with reddish-brown mottling (dry)		0.1						
20										20
		REFUSAL @ 21'								
25										25
30										30
35										

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SHEET 1 OF 1

Dougherty Sprague Environmental, Inc.

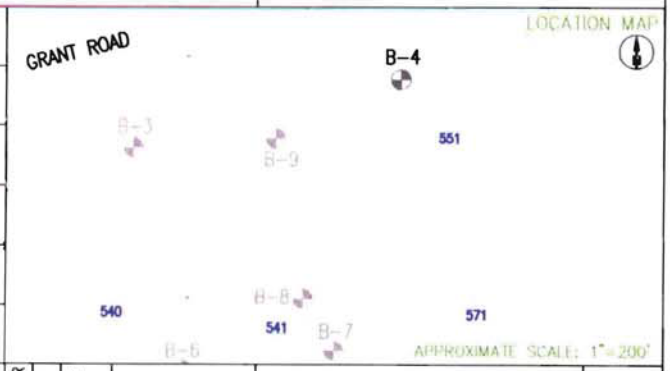
DRILLING LOG: B-4

PROJECT: Fort Wolters Phase II

LOCATION: Mineral Wells, Texas

DATE HOLE STARTED/COMPLETED	DRILLING AGENCY/DRILLER'S NAME
8/17/2011	MagnaCore/K. Burdick
TOTAL DEPTH OF HOLE	**DRILLING EQUIPMENT**
20.5'	GeoProbe 6600
ELEVATION	**DRILLING METHOD/SAMPLING METHOD**
---	DP / ST
GROUNDWATER ELEVATION	**GEOLOGIST** / **DRAWN**
---	CWS / CMS

LOCATION MAP



DEPTH (ft.)	LEGEND (U.S.C.S.)	DESCRIPTION OF MATERIALS	GRAPHIC LOG	PID (p.p.m.)	RECOVER	SAMPLE	SAMPLE I.D.	LABORATORY DATA	NO WELL	DEPTH (ft.)
0		Ground Surface 6" concrete and road base								0
		Firm yellowish-red silty CLAY (dry)		16.1			B-4 0-5'	See Table for Lab Data		
5		as above (dry)		0.8						5
		Stiff olive gray to greenish gray shaley CLAY with light gray, dark gray, brownish-yellow and yellowish-red mottling (dry)		0						
10										10
15		as above (dry)		0						15
20		REFUSAL @ 20.5'								20
25										25
30										30
35										

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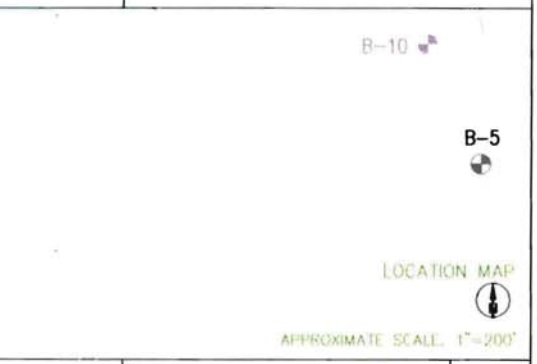
PROFESSIONAL GEOSCIENTIST

11-21-11

SHEET 1 OF 1	Dougherty Sprague Environmental, Inc.	DRILLING LOG: B-5

PROJECT: Fort Wolters Phase II		
LOCATION: Mineral Wells, Texas		
DATE HOLE STARTED/COMPLETED: 8/17/2011	DRILLING AGENCY/DRILLER'S NAME: MagnaCore/K. Burdick	
TOTAL DEPTH OF HOLE: 20.8'	DRILLING EQUIPMENT: GeoProbe 6600	
ELEVATION: ---	DRILLING METHOD/SAMPLING METHOD: DP / ST	
GROUNDWATER ELEVATION: ---	GEOLOGIST: CWS	DRAWN: CMS



DEPTH (ft.)	LEGEND (U.S.C.S.)	DESCRIPTION OF MATERIALS	GRAPHIC LOG	PID (p.p.m.)	RECOVER	SAMPLE	SAMPLE I.D.	LABORATORY DATA	NO WELL	DEPTH (ft.)
0		Ground Surface 6" grass, roots, soil Yellowish-red SILT, clayey at top (dry)		37.6						0
5		as above (dry)		46.3			B-5 5-10'	See Table for Lab Data		5
10		Olive gray clayey SILT (dry)		25.7						10
15		as above (dry)		0.2						15
20		as above (dry)								20
25		REFUSAL @ 20.8'								25
30										30
35										

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SHEET 1 OF 1

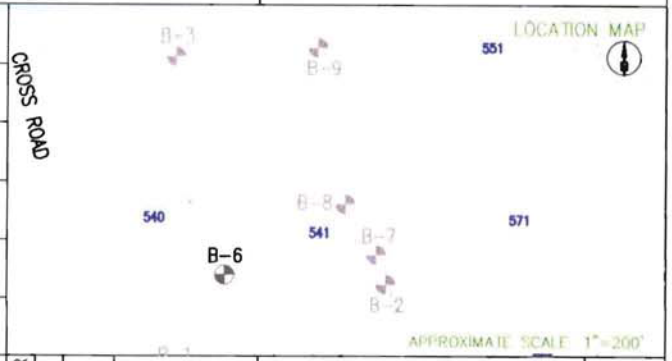
Dougherty Sprague Environmental, Inc.

DRILLING LOG: B-6

PROJECT: Fort Wolters Phase II

LOCATION: Mineral Wells, Texas

DATE HOLE STARTED/COMPLETED	DRILLING AGENCY/DRILLER'S NAME
8/18/2011	MagnaCore/K. Burdick
TOTAL DEPTH OF HOLE	**DRILLING EQUIPMENT**
20'	GeoProbe 6600
ELEVATION	**DRILLING METHOD/SAMPLING METHOD**
---	DP / ST
GROUNDWATER ELEVATION	**GEOLOGIST** / **DRAWN**
---	CWS / CMS



DEPTH (ft.)	LEGEND (U.S.C.S.)	DESCRIPTION OF MATERIALS	GRAPHIC LOG	PID (p.p.m.)	RECOVER	SAMPLE	SAMPLE I.D.	LABORATORY DATA	NO WELL	DEPTH (ft.)
0		Ground Surface 6" concrete and road base								0
		Firm yellowish-red silty CLAY (dry) (petroleum odor)		581			Dup-2 0-5' B-6 0-5'	See Table for Lab Data		
5		moist, soft, strong petroleum odor								5
		as above (dry)		56.8						
		very stiff at bottom								
10		Very stiff olive-gray to greenish-gray shaley CLAY with yellowish-red, brownish-yellow and light gray mottling (dry)		55.4						10
15		as above (dry)		52.3						15
20		REFUSAL @ 20'								20
25										25
30										30
35										

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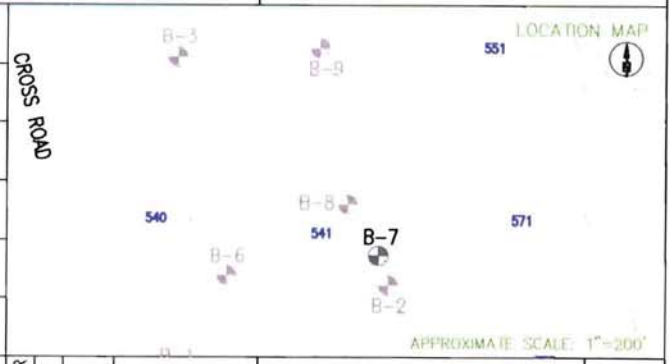
SHEET 1 OF 1

Dougherty Sprague Environmental, Inc.

DRILLING LOG: B-7

PROJECT: Fort Wolters Phase II	
LOCATION: Mineral Wells, Texas	
DATE HOLE STARTED/COMPLETED: 8/18/2011	DRILLING AGENCY/DRILLER'S NAME: MagnaCore/K. Burdick
TOTAL DEPTH OF HOLE: 21'	DRILLING EQUIPMENT: GeoProbe 6600
ELEVATION: ---	DRILLING METHOD/SAMPLING METHOD: DP / ST
GROUNDWATER ELEVATION: ---	GEOLOGIST: CWS; DRAWN: CMS



DEPTH (ft.)	LEGEND (U.S.C.S.)	DESCRIPTION OF MATERIALS	GRAPHIC LOG	PID (p.p.m.)	RECOVER	SAMPLE	SAMPLE I.D.	LABORATORY DATA	NO WELL	DEPTH (ft.)
0		Ground Surface 6" concrete and road base Brownish-yellow fine SAND (fill) (dry)								0
		Stiff yellowish-red silty CLAY with gravel (dry)		55.6						
5		as above, with brownish-yellow mottling and gravel (dry)		7.7						5
		soft								
10		Stiff olive-gray to greenish-gray shaley CLAY with brownish-yellow, yellowish-red and light gray mottling (dry)		136			B-7 10-15'	See Table for Lab Data		10
15		as above (dry)		6.3						15
20		REFUSAL @ 21'								20
25										25
30										30
35										

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SHEET 1 OF 1

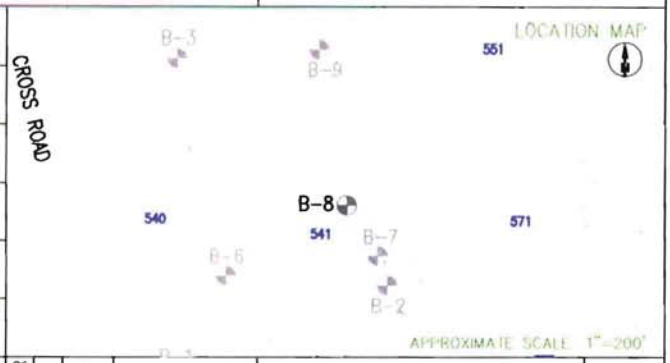
Dougherty Sprague Environmental, Inc.

DRILLING LOG: B-8

PROJECT: Fort Wolters Phase II

LOCATION: Mineral Wells, Texas

DATE HOLE STARTED/COMPLETED	DRILLING AGENCY/DRILLER'S NAME
8/18/2011	MagnaCore/K. Burdick
TOTAL DEPTH OF HOLE	**DRILLING EQUIPMENT**
20.5'	GeoProbe 6600
ELEVATION	**DRILLING METHOD/SAMPLING METHOD**
---	DP / ST
GROUNDWATER ELEVATION	**GEOLOGIST** / **DRAWN**
---	CWS / CMS



DEPTH (ft.)	LEGEND (U.S.C.S.)	DESCRIPTION OF MATERIALS	GRAPHIC LOG	PID (p.p.m.)	RECOVER	SAMPLE	SAMPLE I.D.	LABORATORY DATA	NO WELL
0		Ground Surface							
		6" concrete and road base							
		Yellowish-red fine grained SAND (fill) (dry)							
		Firm yellowish-red silty CLAY (dry)		117					
5		as above (dry)		124			B-8 5-10'	See Table for Lab Data	
		soft, sandy and gravelly							
10		as above (dry)		89.7					
		Stiff olive-gray to greenish gray silty CLAY (dry)							
15		very stiff		43					
		as above with brownish-yellow, yellowish-red and light gray mottling (dry)							
20		REFUSAL @ 20.5'							
25									
30									
35									

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SHEET 1 OF 1

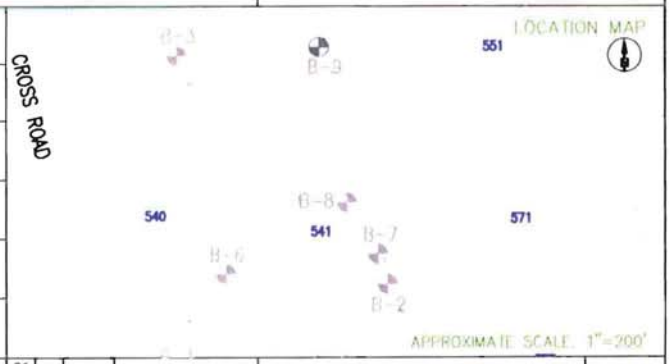
Dougherty Sprague Environmental, Inc.

DRILLING LOG: B-9

PROJECT: Fort Wolters Phase II

LOCATION: Mineral Wells, Texas

DATE HOLE STARTED/COMPLETED	DRILLING AGENCY/DRILLER'S NAME
8/18/2011	MagnaCore/K. Burdick
TOTAL DEPTH OF HOLE	**DRILLING EQUIPMENT**
17.8'	GeoProbe 6600
ELEVATION	**DRILLING METHOD/SAMPLING METHOD**
---	DP / ST
GROUNDWATER ELEVATION	**GEOLOGIST** / **DRAWN**
---	CWS / CMS



DEPTH (ft.)	LEGEND (U.S.C.S.)	DESCRIPTION OF MATERIALS	GRAPHIC LOG	PID (p.p.m.)	RECOVER	SAMPLE	SAMPLE I.D.	LABORATORY DATA	NO WELL	DEPTH (ft.)
0		Ground Surface								0
		6" concrete and road base								
		Firm olive gray silty CLAY (dry)		63.6						
5		as above, grading to brown with brownish-yellow mottling (dry)		132			B-9 5-10'	See Table for Lab Data		5
10		Stiff olive-gray to greenish gray silty CLAY with brownish-yellow, yellowish-red and light gray mottling (dry)		124						10
15		as above (dry)		117						15
		REFUSAL @ 17.8'								
20										20
25										25
30										30
35										

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SHEET 1 OF 1

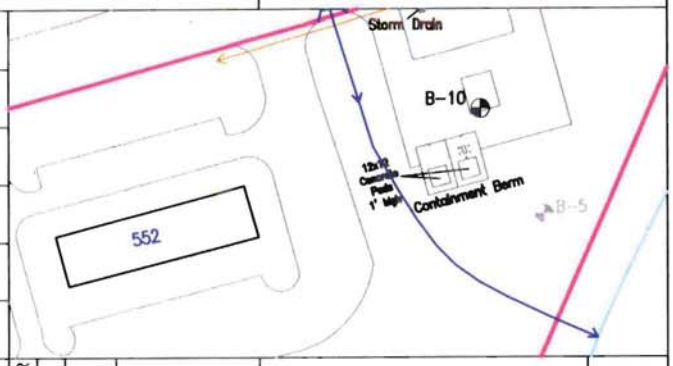
Dougherty Sprague Environmental, Inc.

DRILLING LOG: B-10

PROJECT
Fort Wolters Phase II

LOCATION
Mineral Wells, Texas

DATE HOLE STARTED/COMPLETED	DRILLING AGENCY/DRILLER'S NAME	
8/18/2011	MagnaCore/K. Burdick	
TOTAL DEPTH OF HOLE	DRILLING EQUIPMENT	
13'	GeoProbe 6600	
ELEVATION	DRILLING METHOD/SAMPLING METHOD	
---	DP / ST	
GROUNDWATER ELEVATION	GEOLOGIST	DRAWN
---	CWS	CMS



DEPTH (ft.)	LEGEND (U.S.C.S.)	DESCRIPTION OF MATERIALS	GRAPHIC LOG	PID (p.p.m.)	RECOVER	SAMPLE	SAMPLE I.D.	LABORATORY DATA	NO WELL	DEPTH (ft.)
0		Ground Surface								0
		6" grass, roots, soil								
		Yellowish-red, fine SAND with gravel (fill) (dry)		159			B-10 0-5'	See Table for Lab Data		
5		as above (dry)		26.1						5
10		Firm olive gray silty CLAY (dry)		84.8						10
		REFUSAL @ 13' (CONCRETE)								
15										15
20										20
25										25
30										30
35										

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APPENDIX D

ANALYTICAL REPORTS and CHAINS of CUSTODY

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Chuck Sprague
Dougherty Sprague Environmental
3902 Industrial
Suite A
Rowlett, TX, 75088

Report Date: September 2, 2011

Work Order: 11081918

Project Loc: TDCJ Prop.-Fmrly. Ft. Wolters @ Mineral Wells
Project Name: Ft. Wolters Phase II
Project Number: 1037507

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
275023	B-1 (5-10)	soil	2011-08-17	08:06	2011-08-19
275024	B-2 (5-10)	soil	2011-08-17	10:15	2011-08-19
275025	B-3 (0-5)	soil	2011-08-17	11:29	2011-08-19
275026	B-4 (0-5)	soil	2011-08-17	13:41	2011-08-19
275027	B-5 (5-10)	soil	2011-08-17	14:55	2011-08-19
275028	B-6 (0-5)	soil	2011-08-18	07:53	2011-08-19
275029	B-7 (10-15)	soil	2011-08-18	09:20	2011-08-19
275030	B-8 (5-10)	soil	2011-08-18	10:28	2011-08-19
275031	B-9 (5-10)	soil	2011-08-18	13:00	2011-08-19
275032	B-10 (0-5)	soil	2011-08-18	14:01	2011-08-19
275033	Dup.-2	soil	2011-08-18	00:00	2011-08-19

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 137 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

All sample results are reported on a dry weight basis.

For inorganic analyses, the term MQL should actually read PQL.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

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Case Narrative

Samples for project Ft. Wolters Phase II were received by TraceAnalysis, Inc. on 2011-08-19 and assigned to work order 11081918. Samples for work order 11081918 were received intact at a temperature of 2.8 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Ag, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
Ag, Total	S 6010C	71521	2011-08-25 at 10:18	84305	2011-08-29 at 12:18
As, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
As, Total	S 6010C	71521	2011-08-25 at 10:18	84305	2011-08-29 at 12:18
Ba, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
Ba, Total	S 6010C	71521	2011-08-25 at 10:18	84305	2011-08-29 at 12:18
Cd, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
Cd, Total	S 6010C	71521	2011-08-25 at 10:18	84305	2011-08-29 at 12:18
Cr, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
Cr, Total	S 6010C	71521	2011-08-25 at 10:18	84305	2011-08-29 at 12:18
Hg, Total	S 7471 B	71528	2011-08-25 at 13:18	84256	2011-08-25 at 16:18
Hg, Total	S 7471 B	71528	2011-08-25 at 13:18	84257	2011-08-25 at 16:18
Moisture Content	ASTM D 2216-05	71423	2011-08-22 at 11:59	84116	2011-08-22 at 12:07
Moisture Content	ASTM D 2216-05	71424	2011-08-22 at 12:04	84117	2011-08-22 at 12:09
Pb, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
Pb, Total	S 6010C	71521	2011-08-25 at 10:18	84305	2011-08-29 at 12:18
PCB	S 8082A	71517	2011-08-24 at 16:30	84229	2011-08-24 at 16:34
PCB	S 8082A	71517	2011-08-24 at 16:30	84230	2011-08-24 at 22:45
Semivolatiles TRRP	S 8270D	71498	2011-08-23 at 15:00	84211	2011-08-24 at 13:14
Semivolatiles TRRP	S 8270D	71499	2011-08-23 at 15:00	84212	2011-08-24 at 13:24
Se, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
Se, Total	S 6010C	71521	2011-08-25 at 10:18	84305	2011-08-29 at 12:18
TX1005 - NEW	TX1005	71448	2011-08-19 at 14:00	84158	2011-08-21 at 04:00
TX1005 - NEW	TX1005	71449	2011-08-19 at 14:00	84159	2011-08-21 at 07:00
Volatiles	S 8260 C	71410	2011-08-19 at 12:00	84100	2011-08-19 at 12:00
Volatiles	S 8260 C	71430	2011-08-20 at 12:00	84125	2011-08-20 at 12:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 11081918 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Note: *All sample results are reported on a dry weight basis.*

Sample: 275023 - B-1 (5-10)

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84116	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71423	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	13.1	%	1	

Sample: 275023 - B-1 (5-10)

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84229	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00132	<0.00192	<0.00132	mg/Kg	1	0.00132	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00138	<0.00192	<0.00138	mg/Kg	1	0.00138	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00147	<0.00192	<0.00147	mg/Kg	1	0.00147	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00166	<0.00192	<0.00166	mg/Kg	1	0.00166	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00173	<0.00192	<0.00173	mg/Kg	1	0.00173	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00132	<0.00192	<0.00132	mg/Kg	1	0.00132	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00152	<0.00192	<0.00152	mg/Kg	1	0.00152	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00139	<0.00192	<0.00139	mg/Kg	1	0.00139	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00161	<0.00192	<0.00161	mg/Kg	1	0.00161	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0131	mg/Kg	1	0.0167	78	58.7 - 121

Sample: 275023 - B-1 (5-10)

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0414	<0.288	<0.0414	mg/Kg	1	0.0414	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0763	<0.288	<0.0763	mg/Kg	1	0.0763	0.25	0.0663
2-Picoline	U	1	<0.0649	<0.288	<0.0649	mg/Kg	1	0.0649	0.25	0.0564
Methyl methanesulfonate	U	1	<0.0595	<0.288	<0.0595	mg/Kg	1	0.0595	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0649	<0.288	<0.0649	mg/Kg	1	0.0649	0.25	0.0564
Phenol	Qc,U	1	<0.0506	<0.288	<0.0506	mg/Kg	1	0.0506	0.25	0.044
Aniline	U	1	<0.0600	<0.288	<0.0600	mg/Kg	1	0.0600	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0554	<0.288	<0.0554	mg/Kg	1	0.0554	0.25	0.0481
2-Chlorophenol	U	1	<0.0516	<0.288	<0.0516	mg/Kg	1	0.0516	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0395	<0.288	<0.0395	mg/Kg	1	0.0395	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0330	<0.288	<0.0330	mg/Kg	1	0.0330	0.25	0.0287
Benzyl alcohol	U	1	<0.0292	<0.288	<0.0292	mg/Kg	1	0.0292	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0671	<0.288	<0.0671	mg/Kg	1	0.0671	0.25	0.0583
2-Methylphenol	U	1	<0.0414	<0.288	<0.0414	mg/Kg	1	0.0414	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0620	<0.288	<0.0620	mg/Kg	1	0.0620	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0674	<0.288	<0.0674	mg/Kg	1	0.0674	0.25	0.0586
Acetophenone	U	1	<0.0390	<0.288	<0.0390	mg/Kg	1	0.0390	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0609	<0.288	<0.0609	mg/Kg	1	0.0609	0.25	0.0529
Hexachloroethane	U	1	<0.0605	<0.288	<0.0605	mg/Kg	1	0.0605	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0476	<0.288	<0.0476	mg/Kg	1	0.0476	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0554	<0.288	<0.0554	mg/Kg	1	0.0554	0.25	0.0481
Isophorone	U	1	<0.0621	<0.288	<0.0621	mg/Kg	1	0.0621	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0542	<0.288	<0.0542	mg/Kg	1	0.0542	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0458	<0.288	<0.0458	mg/Kg	1	0.0458	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0591	<0.288	<0.0591	mg/Kg	1	0.0591	0.25	0.0514
Benzoic acid	Qc,U	1	<0.0458	<0.288	<0.0458	mg/Kg	1	0.0458	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0357	<0.288	<0.0357	mg/Kg	1	0.0357	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0389	<0.288	<0.0389	mg/Kg	1	0.0389	0.25	0.0338
Naphthalene	Qs,U	1	<0.0625	<0.288	<0.0625	mg/Kg	1	0.0625	0.25	0.0543
4-Chloroaniline	U	1	<0.0472	<0.288	<0.0472	mg/Kg	1	0.0472	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0404	<0.288	<0.0404	mg/Kg	1	0.0404	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0446	<0.288	<0.0446	mg/Kg	1	0.0446	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0632	<0.288	<0.0632	mg/Kg	1	0.0632	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0306	<0.288	<0.0306	mg/Kg	1	0.0306	0.25	0.0266
1-Methylnaphthalene	U		<0.0605	<0.288	<0.0605	mg/Kg	1	0.0605	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0555	<0.288	<0.0555	mg/Kg	1	0.0555	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0445	<0.288	<0.0445	mg/Kg	1	0.0445	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.112	<0.288	<0.112	mg/Kg	1	0.112	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0511	<0.288	<0.0511	mg/Kg	1	0.0511	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0649	<0.288	<0.0649	mg/Kg	1	0.0649	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0542	<0.288	<0.0542	mg/Kg	1	0.0542	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0678	<0.288	<0.0678	mg/Kg	1	0.0678	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0472	<0.288	<0.0472	mg/Kg	1	0.0472	0.25	0.041
Dimethylphthalate	U	1	<0.0713	<0.288	<0.0713	mg/Kg	1	0.0713	0.25	0.062
Acenaphthylene	U	1	<0.0639	<0.288	<0.0639	mg/Kg	1	0.0639	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0640	<0.288	<0.0640	mg/Kg	1	0.0640	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.0535	<0.288	<0.0535	mg/Kg	1	0.0535	0.25	0.0465

continued . . .

sample 275023 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Acenaphthene	Qs,U	1	<0.0642	<0.288	<0.0642	mg/Kg	1	0.0642	0.25	0.0558
2,4-Dinitrophenol	Qc,U	1	<0.0961	<0.288	<0.0961	mg/Kg	1	0.0961	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0510	<0.288	<0.0510	mg/Kg	1	0.0510	0.25	0.0443
Pentachlorobenzene	U	1	<0.0552	<0.288	<0.0552	mg/Kg	1	0.0552	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0254	<0.288	<0.0254	mg/Kg	1	0.0254	0.25	0.0221
1-Naphthylamine	U	1	<0.0395	<0.288	<0.0395	mg/Kg	1	0.0395	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0726	<0.288	<0.0726	mg/Kg	1	0.0726	0.25	0.0631
2-Naphthylamine	U	1	<0.0580	<0.288	<0.0580	mg/Kg	1	0.0580	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0243	<0.288	<0.0243	mg/Kg	1	0.0243	0.25	0.0211
Fluorene	Qs,U	1	<0.0717	<0.288	<0.0717	mg/Kg	1	0.0717	0.25	0.0623
Diethylphthalate	U	1	<0.0625	<0.288	<0.0625	mg/Kg	1	0.0625	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0541	<0.288	<0.0541	mg/Kg	1	0.0541	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.120	<0.288	<0.120	mg/Kg	1	0.120	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.101	<0.288	<0.101	mg/Kg	1	0.101	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0649	<0.288	<0.0649	mg/Kg	1	0.0649	0.25	0.0564
Diphenylhydrazine	U		<0.0741	<0.288	<0.0741	mg/Kg	1	0.0741	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0589	<0.288	<0.0589	mg/Kg	1	0.0589	0.25	0.0512
Phenacetin	U	1	<0.0601	<0.288	<0.0601	mg/Kg	1	0.0601	0.25	0.0522
Hexachlorobenzene	U	1	<0.0513	<0.288	<0.0513	mg/Kg	1	0.0513	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0405	<0.288	<0.0405	mg/Kg	1	0.0405	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0667	<0.288	<0.0667	mg/Kg	1	0.0667	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0398	<0.288	<0.0398	mg/Kg	1	0.0398	0.25	0.0346
Pronamide	Qc,U	1	<0.0667	<0.288	<0.0667	mg/Kg	1	0.0667	0.25	0.058
Phenanthrene	Qs,U	1	<0.0617	<0.288	<0.0617	mg/Kg	1	0.0617	0.25	0.0536
Anthracene	Qs,U	1	<0.0415	<0.288	<0.0415	mg/Kg	1	0.0415	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0609	<0.288	<0.0609	mg/Kg	1	0.0609	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.0392	<0.288	<0.0392	mg/Kg	1	0.0392	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0789	<0.288	<0.0789	mg/Kg	1	0.0789	0.25	0.0686
Pyrene	Qs,U	1	<0.0449	<0.288	<0.0449	mg/Kg	1	0.0449	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0604	<0.288	<0.0604	mg/Kg	1	0.0604	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0790	<0.288	<0.0790	mg/Kg	1	0.0790	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.0428	<0.288	<0.0428	mg/Kg	1	0.0428	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0564	<0.288	<0.0564	mg/Kg	1	0.0564	0.25	0.049
Chrysene	Qs,U	1	<0.0573	<0.288	<0.0573	mg/Kg	1	0.0573	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0811	<0.288	<0.0811	mg/Kg	1	0.0811	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0782	<0.288	<0.0782	mg/Kg	1	0.0782	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.0440	<0.288	<0.0440	mg/Kg	1	0.0440	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0338	<0.288	<0.0338	mg/Kg	1	0.0338	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.0540	<0.288	<0.0540	mg/Kg	1	0.0540	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.0512	<0.288	<0.0512	mg/Kg	1	0.0512	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0370	<0.288	<0.0370	mg/Kg	1	0.0370	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0743	<0.288	<0.0743	mg/Kg	1	0.0743	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.0495	<0.288	<0.0495	mg/Kg	1	0.0495	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0543	<0.288	<0.0543	mg/Kg	1	0.0543	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.0484	<0.288	<0.0484	mg/Kg	1	0.0484	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.883	mg/Kg	1	2.67	33	10 - 88
Phenol-d5			1.17	mg/Kg	1	2.67	44	10 - 100
Nitrobenzene-d5			1.31	mg/Kg	1	2.67	49	10 - 89.7
2-Fluorobiphenyl			1.12	mg/Kg	1	2.67	42	13 - 93
2,4,6-Tribromophenol			1.88	mg/Kg	1	2.67	70	10 - 99.4
Terphenyl-d14			1.85	mg/Kg	1	2.67	69	38.9 - 94.4

Sample: 275023 - B-1 (5-10)

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84256	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0425	<0.575	<0.0425	mg/Kg	1	0.0425	0.5	0.0369
Total Arsenic	J	1	**1.31**	<2.30	<0.315	mg/Kg	1	0.315	2	0.274
Total Barium		1	**240**	**240**	<0.262	mg/Kg	1	0.262	1	0.228
Total Cadmium	U	1	<0.0642	<0.575	<0.0642	mg/Kg	1	0.0642	0.5	0.0558
Total Chromium		1	**16.2**	**16.2**	<0.154	mg/Kg	1	0.154	0.5	0.134
Total Mercury	J	1	**0.00404**	<0.0288	<0.00228	mg/Kg	1	0.00228	0.025	0.00198
Total Lead		1	**11.2**	**11.2**	<0.226	mg/Kg	1	0.226	1	0.196
Total Selenium	U	1	<0.244	<2.30	<0.244	mg/Kg	1	0.244	2	0.212

Sample: 275023 - B-1 (5-10)

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.8	<57.5	<14.8	mg/Kg	1	14.8	50	12.9
>C12-C28	U	1	<12.9	<57.5	<12.9	mg/Kg	1	12.9	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			110	mg/Kg	1	100	110	55.1 - 140
n-Tricosane			101	mg/Kg	1	100	101	65.2 - 142
n-Triacontane			117	mg/Kg	1	100	117	68.8 - 145

Sample: 275023 - B-1 (5-10)

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.27	<23.0	<7.27	µg/Kg	1	7.27	20	6.32
Dichlorodifluoromethane	Qr,U	1	<17.0	<23.0	<17.0	µg/Kg	1	17.0	20	14.8
Chloromethane (methyl chloride)	U	1	<5.42	<23.0	<5.42	µg/Kg	1	5.42	20	4.71
Vinyl Chloride	U	1	<15.4	<23.0	<15.4	µg/Kg	1	15.4	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.31	<115	<7.31	µg/Kg	1	7.31	100	6.35
Chloroethane	Qr,U	1	<10.9	<23.0	<10.9	µg/Kg	1	10.9	20	9.44
Trichlorofluoromethane	Qr,U	1	<16.7	<23.0	<16.7	µg/Kg	1	16.7	20	14.5
Acetone	Qc,U	1	<20.5	<230	<20.5	µg/Kg	1	20.5	200	17.8
Iodomethane (methyl iodide)	U	1	<6.22	<115	<6.22	µg/Kg	1	6.22	100	5.41
Carbon Disulfide	U	1	<6.16	<23.0	<6.16	µg/Kg	1	6.16	20	5.35
Acrylonitrile	Qc,U	1	<4.76	<23.0	<4.76	µg/Kg	1	4.76	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.3	<115	<11.3	µg/Kg	1	11.3	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.44	<115	<9.44	µg/Kg	1	9.44	100	8.2
2-Hexanone	Qc,U	1	<10.1	<115	<10.1	µg/Kg	1	10.1	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.67	<230	<5.67	µg/Kg	1	5.67	200	4.93
1,1-Dichloroethene	U	1	<6.66	<23.0	<6.66	µg/Kg	1	6.66	20	5.79
Methylene chloride	JB	1	**18.0**	<115	15.9	µg/Kg	1	7.97	100	6.93
MTBE	U	1	<4.72	<23.0	<4.72	µg/Kg	1	4.72	20	4.1
trans-1,2-Dichloroethene	U	1	<7.24	<23.0	<7.24	µg/Kg	1	7.24	20	6.29
1,1-Dichloroethane	U	1	<6.41	<23.0	<6.41	µg/Kg	1	6.41	20	5.57
cis-1,2-Dichloroethene	U	1	<6.05	<23.0	<6.05	µg/Kg	1	6.05	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.48	<23.0	<6.48	µg/Kg	1	6.48	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.93	<23.0	<5.93	µg/Kg	1	5.93	20	5.15
Chloroform	U	1	<4.79	<23.0	<4.79	µg/Kg	1	4.79	20	4.16
1,1,1-Trichloroethane	U	1	<7.18	<23.0	<7.18	µg/Kg	1	7.18	20	6.24
1,1-Dichloropropene	U	1	<6.80	<23.0	<6.80	µg/Kg	1	6.80	20	5.91
Benzene	U	1	<6.98	<23.0	<6.98	µg/Kg	1	6.98	20	6.07
Carbon Tetrachloride	U	1	<5.88	<23.0	<5.88	µg/Kg	1	5.88	20	5.11
1,2-Dichloropropane	U	1	<6.58	<23.0	<6.58	µg/Kg	1	6.58	20	5.72
Trichloroethene (TCE)	U	1	<7.22	<23.0	<7.22	µg/Kg	1	7.22	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.91	<23.0	<4.91	µg/Kg	1	4.91	20	4.27
Bromodichloromethane	U	1	<8.80	<23.0	<8.80	µg/Kg	1	8.80	20	7.65

continued ...

sample 275023 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2-Chloroethyl vinyl ether	Qc,U	1	<6.06	<23.0	<6.06	µg/Kg	1	6.06	20	5.27
cis-1,3-Dichloropropene	U	1	<6.38	<23.0	<6.38	µg/Kg	1	6.38	20	5.54
trans-1,3-Dichloropropene	U	1	<4.79	<23.0	<4.79	µg/Kg	1	4.79	20	4.16
Toluene	U	1	<8.54	<23.0	<8.54	µg/Kg	1	8.54	20	7.42
1,1,2-Trichloroethane	U	1	<7.28	<23.0	<7.28	µg/Kg	1	7.28	20	6.33
1,3-Dichloropropane	U	1	<7.08	<23.0	<7.08	µg/Kg	1	7.08	20	6.15
Dibromochloromethane	U	1	<7.63	<23.0	<7.63	µg/Kg	1	7.63	20	6.63
1,2-Dibromoethane (EDB)	U	1	<7.03	<23.0	<7.03	µg/Kg	1	7.03	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.6	<23.0	<14.6	µg/Kg	1	14.6	20	12.7
Chlorobenzene	U	1	<9.01	<23.0	<9.01	µg/Kg	1	9.01	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.42	<23.0	<5.42	µg/Kg	1	5.42	20	4.71
Ethylbenzene	U	1	<8.86	<23.0	<8.86	µg/Kg	1	8.86	20	7.7
m,p-Xylene	U	1	<16.9	<23.0	<16.9	µg/Kg	1	16.9	20	14.7
Bromoform	U	1	<6.50	<23.0	<6.50	µg/Kg	1	6.50	20	5.65
Styrene	U	1	<9.08	<23.0	<9.08	µg/Kg	1	9.08	20	7.89
o-Xylene	U	1	<9.11	<23.0	<9.11	µg/Kg	1	9.11	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.93	<23.0	<5.93	µg/Kg	1	5.93	20	5.15
2-Chlorotoluene	U	1	<9.41	<23.0	<9.41	µg/Kg	1	9.41	20	8.18
1,2,3-Trichloropropane	U	1	<8.87	<23.0	<8.87	µg/Kg	1	8.87	20	7.71
Isopropylbenzene	Qc,U	1	<10.5	<23.0	<10.5	µg/Kg	1	10.5	20	9.13
Bromobenzene	U	1	<7.73	<23.0	<7.73	µg/Kg	1	7.73	20	6.72
n-Propylbenzene	U	1	<8.71	<23.0	<8.71	µg/Kg	1	8.71	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.93	<23.0	<9.93	µg/Kg	1	9.93	20	8.63
tert-Butylbenzene	Qc,U	1	<9.26	<23.0	<9.26	µg/Kg	1	9.26	20	8.05
1,2,4-Trimethylbenzene	U	1	<9.01	<23.0	<9.01	µg/Kg	1	9.01	20	7.83
1,4-Dichlorobenzene (para)	U	1	<10.0	<23.0	<10.0	µg/Kg	1	10.0	20	8.73
sec-Butylbenzene	U	1	<8.36	<23.0	<8.36	µg/Kg	1	8.36	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.22	<23.0	<8.22	µg/Kg	1	8.22	20	7.14
p-Isopropyltoluene	U		<7.22	<23.0	<7.22	µg/Kg	1	7.22	20	6.27
4-Chlorotoluene	U	1	<10.7	<23.0	<10.7	µg/Kg	1	10.7	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.5	<23.0	<10.5	µg/Kg	1	10.5	20	9.1
n-Butylbenzene	U	1	<8.39	<23.0	8.64	µg/Kg	1	8.39	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.76	<115	<8.76	µg/Kg	1	8.76	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.42	<115	25.1	µg/Kg	1	8.42	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.66	<115	15.6	µg/Kg	1	7.66	100	6.66
Naphthalene	Qc,U	1	<8.81	<115	60.3	µg/Kg	1	8.81	100	7.66
Hexachlorobutadiene	U	1	<14.2	<115	44.5	µg/Kg	1	14.2	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			903	µg/Kg	1	1000	90	70 - 130
Toluene-d8			981	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			882	µg/Kg	1	1000	88	70 - 130

Sample: 275024 - B-2 (5-10)

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84116	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71423	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	18.5	%	1	

Sample: 275024 - B-2 (5-10)

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84229	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00141	<0.00205	<0.00141	mg/Kg	1	0.00141	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00147	<0.00205	<0.00147	mg/Kg	1	0.00147	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00157	<0.00205	<0.00157	mg/Kg	1	0.00157	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00177	<0.00205	<0.00177	mg/Kg	1	0.00177	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00184	<0.00205	<0.00184	mg/Kg	1	0.00184	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00141	<0.00205	<0.00141	mg/Kg	1	0.00141	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00162	<0.00205	<0.00162	mg/Kg	1	0.00162	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00148	<0.00205	<0.00148	mg/Kg	1	0.00148	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00172	<0.00205	<0.00172	mg/Kg	1	0.00172	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0139	mg/Kg	1	0.0167	83	58.7 - 121

Sample: 275024 - B-2 (5-10)

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0442	<0.307	<0.0442	mg/Kg	1	0.0442	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0813	<0.307	<0.0813	mg/Kg	1	0.0813	0.25	0.0663
2-Picoline	U	1	<0.0692	<0.307	<0.0692	mg/Kg	1	0.0692	0.25	0.0564

continued . . .

sample 275024 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0634	<0.307	<0.0634	mg/Kg	1	0.0634	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0692	<0.307	<0.0692	mg/Kg	1	0.0692	0.25	0.0564
Phenol	Qc,U	1	<0.0540	<0.307	<0.0540	mg/Kg	1	0.0540	0.25	0.044
Aniline	U	1	<0.0639	<0.307	<0.0639	mg/Kg	1	0.0639	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0590	<0.307	<0.0590	mg/Kg	1	0.0590	0.25	0.0481
2-Chlorophenol	U	1	<0.0550	<0.307	<0.0550	mg/Kg	1	0.0550	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0421	<0.307	<0.0421	mg/Kg	1	0.0421	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0352	<0.307	<0.0352	mg/Kg	1	0.0352	0.25	0.0287
Benzyl alcohol	U	1	<0.0312	<0.307	<0.0312	mg/Kg	1	0.0312	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0715	<0.307	<0.0715	mg/Kg	1	0.0715	0.25	0.0583
2-Methylphenol	U	1	<0.0442	<0.307	<0.0442	mg/Kg	1	0.0442	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0661	<0.307	<0.0661	mg/Kg	1	0.0661	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0719	<0.307	<0.0719	mg/Kg	1	0.0719	0.25	0.0586
Acetophenone	U	1	<0.0416	<0.307	<0.0416	mg/Kg	1	0.0416	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0649	<0.307	<0.0649	mg/Kg	1	0.0649	0.25	0.0529
Hexachloroethane	U	1	<0.0645	<0.307	<0.0645	mg/Kg	1	0.0645	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0508	<0.307	<0.0508	mg/Kg	1	0.0508	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0590	<0.307	<0.0590	mg/Kg	1	0.0590	0.25	0.0481
Isophorone	U	1	<0.0662	<0.307	<0.0662	mg/Kg	1	0.0662	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0578	<0.307	<0.0578	mg/Kg	1	0.0578	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0488	<0.307	<0.0488	mg/Kg	1	0.0488	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0631	<0.307	<0.0631	mg/Kg	1	0.0631	0.25	0.0514
Benzoic acid	Qc,U	1	<0.0488	<0.307	<0.0488	mg/Kg	1	0.0488	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0380	<0.307	<0.0380	mg/Kg	1	0.0380	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0415	<0.307	<0.0415	mg/Kg	1	0.0415	0.25	0.0338
Naphthalene	Qs,U	1	<0.0666	<0.307	<0.0666	mg/Kg	1	0.0666	0.25	0.0543
4-Chloroaniline	U	1	<0.0503	<0.307	<0.0503	mg/Kg	1	0.0503	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0431	<0.307	<0.0431	mg/Kg	1	0.0431	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0476	<0.307	<0.0476	mg/Kg	1	0.0476	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0674	<0.307	<0.0674	mg/Kg	1	0.0674	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0326	<0.307	<0.0326	mg/Kg	1	0.0326	0.25	0.0266
1-Methylnaphthalene	U		<0.0645	<0.307	<0.0645	mg/Kg	1	0.0645	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0591	<0.307	<0.0591	mg/Kg	1	0.0591	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0475	<0.307	<0.0475	mg/Kg	1	0.0475	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.120	<0.307	<0.120	mg/Kg	1	0.120	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0545	<0.307	<0.0545	mg/Kg	1	0.0545	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0692	<0.307	<0.0692	mg/Kg	1	0.0692	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0578	<0.307	<0.0578	mg/Kg	1	0.0578	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0723	<0.307	<0.0723	mg/Kg	1	0.0723	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0503	<0.307	<0.0503	mg/Kg	1	0.0503	0.25	0.041
Dimethylphthalate	U	1	<0.0761	<0.307	<0.0761	mg/Kg	1	0.0761	0.25	0.062
Acenaphthylene	U	1	<0.0681	<0.307	<0.0681	mg/Kg	1	0.0681	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0682	<0.307	<0.0682	mg/Kg	1	0.0682	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.0570	<0.307	<0.0570	mg/Kg	1	0.0570	0.25	0.0465
Acenaphthene	Qs,U	1	<0.0685	<0.307	<0.0685	mg/Kg	1	0.0685	0.25	0.0558

continued ...

sample 275024 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.102	<0.307	<0.102	mg/Kg	1	0.102	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0544	<0.307	<0.0544	mg/Kg	1	0.0544	0.25	0.0443
Pentachlorobenzene	U	1	<0.0589	<0.307	<0.0589	mg/Kg	1	0.0589	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0271	<0.307	<0.0271	mg/Kg	1	0.0271	0.25	0.0221
1-Naphthylamine	U	1	<0.0421	<0.307	<0.0421	mg/Kg	1	0.0421	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0774	<0.307	<0.0774	mg/Kg	1	0.0774	0.25	0.0631
2-Naphthylamine	U	1	<0.0618	<0.307	<0.0618	mg/Kg	1	0.0618	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0259	<0.307	<0.0259	mg/Kg	1	0.0259	0.25	0.0211
Fluorene	Qs,U	1	<0.0764	<0.307	<0.0764	mg/Kg	1	0.0764	0.25	0.0623
Diethylphthalate	U	1	<0.0666	<0.307	<0.0666	mg/Kg	1	0.0666	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0577	<0.307	<0.0577	mg/Kg	1	0.0577	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.128	<0.307	<0.128	mg/Kg	1	0.128	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.107	<0.307	<0.107	mg/Kg	1	0.107	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0692	<0.307	<0.0692	mg/Kg	1	0.0692	0.25	0.0564
Diphenylhydrazine	U		<0.0790	<0.307	<0.0790	mg/Kg	1	0.0790	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0628	<0.307	<0.0628	mg/Kg	1	0.0628	0.25	0.0512
Phenacetin	U	1	<0.0640	<0.307	<0.0640	mg/Kg	1	0.0640	0.25	0.0522
Hexachlorobenzene	U	1	<0.0547	<0.307	<0.0547	mg/Kg	1	0.0547	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0432	<0.307	<0.0432	mg/Kg	1	0.0432	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0712	<0.307	<0.0712	mg/Kg	1	0.0712	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0424	<0.307	<0.0424	mg/Kg	1	0.0424	0.25	0.0346
Pronamide	Qc,U	1	<0.0712	<0.307	<0.0712	mg/Kg	1	0.0712	0.25	0.058
Phenanthrene	Qs,U	1	<0.0658	<0.307	<0.0658	mg/Kg	1	0.0658	0.25	0.0536
Anthracene	Qs,U	1	<0.0443	<0.307	<0.0443	mg/Kg	1	0.0443	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0649	<0.307	<0.0649	mg/Kg	1	0.0649	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.0418	<0.307	<0.0418	mg/Kg	1	0.0418	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0842	<0.307	<0.0842	mg/Kg	1	0.0842	0.25	0.0686
Pyrene	Qs,U	1	<0.0478	<0.307	<0.0478	mg/Kg	1	0.0478	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0644	<0.307	<0.0644	mg/Kg	1	0.0644	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0843	<0.307	<0.0843	mg/Kg	1	0.0843	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.0456	<0.307	<0.0456	mg/Kg	1	0.0456	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0601	<0.307	<0.0601	mg/Kg	1	0.0601	0.25	0.049
Chrysene	Qs,U	1	<0.0611	<0.307	<0.0611	mg/Kg	1	0.0611	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0865	<0.307	<0.0865	mg/Kg	1	0.0865	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0834	<0.307	<0.0834	mg/Kg	1	0.0834	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.0469	<0.307	<0.0469	mg/Kg	1	0.0469	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0361	<0.307	<0.0361	mg/Kg	1	0.0361	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.0575	<0.307	<0.0575	mg/Kg	1	0.0575	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.0546	<0.307	<0.0546	mg/Kg	1	0.0546	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0395	<0.307	<0.0395	mg/Kg	1	0.0395	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0793	<0.307	<0.0793	mg/Kg	1	0.0793	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.0528	<0.307	<0.0528	mg/Kg	1	0.0528	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0579	<0.307	<0.0579	mg/Kg	1	0.0579	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.0516	<0.307	<0.0516	mg/Kg	1	0.0516	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol	J,Qsr		0.217	mg/Kg	1	2.67	8	10 - 88
Phenol-d5			0.392	mg/Kg	1	2.67	15	10 - 100
Nitrobenzene-d5			0.417	mg/Kg	1	2.67	16	10 - 89.7
2-Fluorobiphenyl			0.432	mg/Kg	1	2.67	16	13 - 93
2,4,6-Tribromophenol			1.08	mg/Kg	1	2.67	40	10 - 99.4
Terphenyl-d14			1.32	mg/Kg	1	2.67	49	38.9 - 94.4

Sample: 275024 - B-2 (5-10)

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84256	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0453	<0.613	<0.0453	mg/Kg	1	0.0453	0.5	0.0369
Total Arsenic	J	1	**1.77**	<2.45	<0.336	mg/Kg	1	0.336	2	0.274
Total Barium		1	**180**	**180**	<0.280	mg/Kg	1	0.280	1	0.228
Total Cadmium	U	1	<0.0685	<0.613	<0.0685	mg/Kg	1	0.0685	0.5	0.0558
Total Chromium		1	**16.3**	**16.3**	<0.164	mg/Kg	1	0.164	0.5	0.134
Total Mercury	J	1	**0.00766**	<0.0307	<0.00243	mg/Kg	1	0.00243	0.025	0.00198
Total Lead		1	**7.96**	**7.96**	<0.240	mg/Kg	1	0.240	1	0.196
Total Selenium	U	1	<0.260	<2.45	<0.260	mg/Kg	1	0.260	2	0.212

Sample: 275024 - B-2 (5-10)

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<15.8	<61.3	<15.8	mg/Kg	1	15.8	50	12.9
>C12-C28	U	1	<13.7	<61.3	<13.7	mg/Kg	1	13.7	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			103	mg/Kg	1	100	103	55.1 - 140
n-Tricosane			95.0	mg/Kg	1	100	95	65.2 - 142
n-Triacontane			109	mg/Kg	1	100	109	68.8 - 145

Sample: 275024 - B-2 (5-10)

Laboratory: Lubbock
Analysis: Volatiles — Analytical Method: S 8260 C — Prep Method: S 5030B
QC Batch: 84100 — Date Analyzed: 2011-08-19 — Analyzed By: KB
Prep Batch: 71410 — Sample Preparation: 2011-08-19 — Prepared By: KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.75	<24.5	<7.75	µg/Kg	1	7.75	20	6.32
Dichlorodifluoromethane	Qr,U	1	<18.2	<24.5	<18.2	µg/Kg	1	18.2	20	14.8
Chloromethane (methyl chloride)	U	1	<5.78	<24.5	<5.78	µg/Kg	1	5.78	20	4.71
Vinyl Chloride	U	1	<16.4	<24.5	<16.4	µg/Kg	1	16.4	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.79	<123	<7.79	µg/Kg	1	7.79	100	6.35
Chloroethane	Qr,U	1	<11.6	<24.5	<11.6	µg/Kg	1	11.6	20	9.44
Trichlorofluoromethane	Qr,U	1	<17.8	<24.5	<17.8	µg/Kg	1	17.8	20	14.5
Acetone	Qc,U	1	<21.8	<245	<21.8	µg/Kg	1	21.8	200	17.8
Iodomethane (methyl iodide)	U	1	<6.64	<123	<6.64	µg/Kg	1	6.64	100	5.41
Carbon Disulfide	U	1	<6.56	<24.5	<6.56	µg/Kg	1	6.56	20	5.35
Acrylonitrile	Qc,U	1	<5.08	<24.5	<5.08	µg/Kg	1	5.08	20	4.14
2-Butanone (MEK)	Qc,U	1	<12.1	<123	<12.1	µg/Kg	1	12.1	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<10.1	<123	<10.1	µg/Kg	1	10.1	100	8.2
2-Hexanone	Qc,U	1	<10.7	<123	<10.7	µg/Kg	1	10.7	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<6.05	<245	<6.05	µg/Kg	1	6.05	200	4.93
1,1-Dichloroethene	U	1	<7.10	<24.5	<7.10	µg/Kg	1	7.10	20	5.79
Methylene chloride	JB	1	**21.1**	<123	16.9	µg/Kg	1	8.50	100	6.93
MTBE	U	1	<5.03	<24.5	<5.03	µg/Kg	1	5.03	20	4.1
trans-1,2-Dichloroethene	U	1	<7.72	<24.5	<7.72	µg/Kg	1	7.72	20	6.29
1,1-Dichloroethane	U	1	<6.83	<24.5	<6.83	µg/Kg	1	6.83	20	5.57
cis-1,2-Dichloroethene	U	1	<6.45	<24.5	<6.45	µg/Kg	1	6.45	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.91	<24.5	<6.91	µg/Kg	1	6.91	20	5.63
1,2-Dichloroethane (EDC)	U	1	<6.32	<24.5	<6.32	µg/Kg	1	6.32	20	5.15
Chloroform	U	1	<5.10	<24.5	<5.10	µg/Kg	1	5.10	20	4.16
1,1,1-Trichloroethane	U	1	<7.66	<24.5	<7.66	µg/Kg	1	7.66	20	6.24
1,1-Dichloropropene	U	1	<7.25	<24.5	<7.25	µg/Kg	1	7.25	20	5.91
Benzene	U	1	<7.45	<24.5	<7.45	µg/Kg	1	7.45	20	6.07
Carbon Tetrachloride	U	1	<6.27	<24.5	<6.27	µg/Kg	1	6.27	20	5.11
1,2-Dichloropropane	U	1	<7.02	<24.5	<7.02	µg/Kg	1	7.02	20	5.72
Trichloroethene (TCE)	U	1	<7.69	<24.5	<7.69	µg/Kg	1	7.69	20	6.27
Dibromomethane (methylene bromide)	U	1	<5.24	<24.5	<5.24	µg/Kg	1	5.24	20	4.27
Bromodichloromethane	U	1	<9.39	<24.5	<9.39	µg/Kg	1	9.39	20	7.65

continued ...

sample 275024 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2-Chloroethyl vinyl ether	Qc,U	1	<6.47	<24.5	<6.47	µg/Kg	1	6.47	20	5.27
cis-1,3-Dichloropropene	U	1	<6.80	<24.5	<6.80	µg/Kg	1	6.80	20	5.54
trans-1,3-Dichloropropene	U	1	<5.10	<24.5	<5.10	µg/Kg	1	5.10	20	4.16
Toluene	U	1	<9.10	<24.5	<9.10	µg/Kg	1	9.10	20	7.42
1,1,2-Trichloroethane	U	1	<7.77	<24.5	<7.77	µg/Kg	1	7.77	20	6.33
1,3-Dichloropropane	U	1	<7.55	<24.5	<7.55	µg/Kg	1	7.55	20	6.15
Dibromochloromethane	U	1	<8.13	<24.5	<8.13	µg/Kg	1	8.13	20	6.63
1,2-Dibromoethane (EDB)	U	1	<7.50	<24.5	<7.50	µg/Kg	1	7.50	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<15.6	<24.5	<15.6	µg/Kg	1	15.6	20	12.7
Chlorobenzene	U	1	<9.61	<24.5	<9.61	µg/Kg	1	9.61	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.78	<24.5	<5.78	µg/Kg	1	5.78	20	4.71
Ethylbenzene	U	1	<9.45	<24.5	<9.45	µg/Kg	1	9.45	20	7.7
m,p-Xylene	U	1	<18.0	<24.5	<18.0	µg/Kg	1	18.0	20	14.7
Bromoform	U	1	<6.93	<24.5	<6.93	µg/Kg	1	6.93	20	5.65
Styrene	U	1	<9.68	<24.5	<9.68	µg/Kg	1	9.68	20	7.89
o-Xylene	U	1	<9.72	<24.5	<9.72	µg/Kg	1	9.72	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<6.32	<24.5	<6.32	µg/Kg	1	6.32	20	5.15
2-Chlorotoluene	U	1	<10.0	<24.5	<10.0	µg/Kg	1	10.0	20	8.18
1,2,3-Trichloropropane	U	1	<9.46	<24.5	<9.46	µg/Kg	1	9.46	20	7.71
Isopropylbenzene	Qc,U	1	<11.2	<24.5	<11.2	µg/Kg	1	11.2	20	9.13
Bromobenzene	U	1	<8.24	<24.5	<8.24	µg/Kg	1	8.24	20	6.72
n-Propylbenzene	U	1	<9.29	<24.5	<9.29	µg/Kg	1	9.29	20	7.57
1,3,5-Trimethylbenzene	U	1	<10.6	<24.5	<10.6	µg/Kg	1	10.6	20	8.63
tert-Butylbenzene	Qc,U	1	<9.88	<24.5	<9.88	µg/Kg	1	9.88	20	8.05
1,2,4-Trimethylbenzene	U	1	<9.61	<24.5	<9.61	µg/Kg	1	9.61	20	7.83
1,4-Dichlorobenzene (para)	U	1	<10.7	<24.5	<10.7	µg/Kg	1	10.7	20	8.73
sec-Butylbenzene	U	1	<8.92	<24.5	<8.92	µg/Kg	1	8.92	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.76	<24.5	<8.76	µg/Kg	1	8.76	20	7.14
p-Isopropyltoluene	U		<7.69	<24.5	<7.69	µg/Kg	1	7.69	20	6.27
4-Chlorotoluene	U	1	<11.4	<24.5	<11.4	µg/Kg	1	11.4	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<11.2	<24.5	<11.2	µg/Kg	1	11.2	20	9.1
n-Butylbenzene	U	1	<8.94	<24.5	9.21	µg/Kg	1	8.94	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<9.34	<123	<9.34	µg/Kg	1	9.34	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.98	<123	26.7	µg/Kg	1	8.98	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<8.17	<123	16.7	µg/Kg	1	8.17	100	6.66
Naphthalene	Qc,U	1	<9.40	<123	64.3	µg/Kg	1	9.40	100	7.66
Hexachlorobutadiene	U	1	<15.1	<123	47.5	µg/Kg	1	15.1	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			898	µg/Kg	1	1000	90	70 - 130
Toluene-d8			978	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			869	µg/Kg	1	1000	87	70 - 130

Sample: 275025 - B-3 (0-5)

Laboratory: Lubbock
Analysis: Moisture Content | Analytical Method: ASTM D 2216-05 | Prep Method: N/A
QC Batch: 84117 | Date Analyzed: 2011-08-22 | Analyzed By: CR
Prep Batch: 71424 | Sample Preparation: 2011-08-22 | Prepared By: CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	8.12	%	1	

Sample: 275025 - B-3 (0-5)

Laboratory: Lubbock
Analysis: PCB | Analytical Method: S 8082A | Prep Method: S 3550
QC Batch: 84230 | Date Analyzed: 2011-08-24 | Analyzed By: DS
Prep Batch: 71517 | Sample Preparation: 2011-08-24 | Prepared By: DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00125	<0.00182	<0.00125	mg/Kg	1	0.00125	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00131	<0.00182	<0.00131	mg/Kg	1	0.00131	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00139	<0.00182	<0.00139	mg/Kg	1	0.00139	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00157	<0.00182	<0.00157	mg/Kg	1	0.00157	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00163	<0.00182	<0.00163	mg/Kg	1	0.00163	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00125	<0.00182	<0.00125	mg/Kg	1	0.00125	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00144	<0.00182	<0.00144	mg/Kg	1	0.00144	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00132	<0.00182	<0.00132	mg/Kg	1	0.00132	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00152	<0.00182	<0.00152	mg/Kg	1	0.00152	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0140	mg/Kg	1	0.0167	84	58.7 - 121

Sample: 275025 - B-3 (0-5)

Laboratory: Lubbock
Analysis: Semivolatiles TRRP | Analytical Method: S 8270D | Prep Method: S 3550
QC Batch: 84212 | Date Analyzed: 2011-08-24 | Analyzed By: MN
Prep Batch: 71499 | Sample Preparation: 2011-08-23 | Prepared By: MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.392	<2.72	<0.392	mg/Kg	10	0.392	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.722	<2.72	<0.722	mg/Kg	10	0.722	0.25	0.0663
2-Picoline	U	1	<0.614	<2.72	<0.614	mg/Kg	10	0.614	0.25	0.0564

continued ...

sample 275025 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.563	<2.72	<0.563	mg/Kg	10	0.563	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.614	<2.72	<0.614	mg/Kg	10	0.614	0.25	0.0564
Phenol	Qc,U	1	<0.479	<2.72	<0.479	mg/Kg	10	0.479	0.25	0.044
Aniline	U	1	<0.567	<2.72	<0.567	mg/Kg	10	0.567	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.524	<2.72	<0.524	mg/Kg	10	0.524	0.25	0.0481
2-Chlorophenol	U	1	<0.488	<2.72	<0.488	mg/Kg	10	0.488	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.373	<2.72	<0.373	mg/Kg	10	0.373	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.312	<2.72	<0.312	mg/Kg	10	0.312	0.25	0.0287
Benzyl alcohol	U	1	<0.276	<2.72	<0.276	mg/Kg	10	0.276	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.634	<2.72	<0.634	mg/Kg	10	0.634	0.25	0.0583
2-Methylphenol	U	1	<0.392	<2.72	<0.392	mg/Kg	10	0.392	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.587	<2.72	<0.587	mg/Kg	10	0.587	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.638	<2.72	<0.638	mg/Kg	10	0.638	0.25	0.0586
Acetophenone	U	1	<0.369	<2.72	<0.369	mg/Kg	10	0.369	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.576	<2.72	<0.576	mg/Kg	10	0.576	0.25	0.0529
Hexachloroethane	U	1	<0.572	<2.72	<0.572	mg/Kg	10	0.572	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.450	<2.72	<0.450	mg/Kg	10	0.450	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.524	<2.72	<0.524	mg/Kg	10	0.524	0.25	0.0481
Isophorone	U	1	<0.588	<2.72	<0.588	mg/Kg	10	0.588	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.513	<2.72	<0.513	mg/Kg	10	0.513	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.433	<2.72	<0.433	mg/Kg	10	0.433	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.559	<2.72	<0.559	mg/Kg	10	0.559	0.25	0.0514
Benzoic acid	Qc,U	1	<0.433	<2.72	<0.433	mg/Kg	10	0.433	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.337	<2.72	<0.337	mg/Kg	10	0.337	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.368	<2.72	<0.368	mg/Kg	10	0.368	0.25	0.0338
Naphthalene	Qs,U	1	<0.591	<2.72	<0.591	mg/Kg	10	0.591	0.25	0.0543
4-Chloroaniline	U	1	<0.446	<2.72	<0.446	mg/Kg	10	0.446	0.25	0.041
2,6-Dichlorophenol	U	1	<0.382	<2.72	<0.382	mg/Kg	10	0.382	0.25	0.0351
Hexachlorobutadiene	U	1	<0.422	<2.72	<0.422	mg/Kg	10	0.422	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.598	<2.72	<0.598	mg/Kg	10	0.598	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.290	<2.72	<0.290	mg/Kg	10	0.290	0.25	0.0266
1-Methylnaphthalene	U		<0.572	<2.72	<0.572	mg/Kg	10	0.572	0.25	0.0526
2-Methylnaphthalene	U	1	<0.524	<2.72	<0.524	mg/Kg	10	0.524	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.421	<2.72	<0.421	mg/Kg	10	0.421	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<1.06	<2.72	<1.06	mg/Kg	10	1.06	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.483	<2.72	<0.483	mg/Kg	10	0.483	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.614	<2.72	<0.614	mg/Kg	10	0.614	0.25	0.0564
2-Chloronaphthalene	U	1	<0.513	<2.72	<0.513	mg/Kg	10	0.513	0.25	0.0471
1-Chloronaphthalene	U	1	<0.641	<2.72	<0.641	mg/Kg	10	0.641	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.446	<2.72	<0.446	mg/Kg	10	0.446	0.25	0.041
Dimethylphthalate	U	1	<0.675	<2.72	<0.675	mg/Kg	10	0.675	0.25	0.062
Acenaphthylene	U	1	<0.604	<2.72	<0.604	mg/Kg	10	0.604	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.605	<2.72	<0.605	mg/Kg	10	0.605	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.506	<2.72	<0.506	mg/Kg	10	0.506	0.25	0.0465
Acenaphthene	Qs,U	1	<0.607	<2.72	<0.607	mg/Kg	10	0.607	0.25	0.0558

continued ...

sample 275025 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.909	<2.72	<0.909	mg/Kg	10	0.909	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.482	<2.72	<0.482	mg/Kg	10	0.482	0.25	0.0443
Pentachlorobenzene	U	1	<0.522	<2.72	<0.522	mg/Kg	10	0.522	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.240	<2.72	<0.240	mg/Kg	10	0.240	0.25	0.0221
1-Naphthylamine	U	1	<0.373	<2.72	<0.373	mg/Kg	10	0.373	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.687	<2.72	<0.687	mg/Kg	10	0.687	0.25	0.0631
2-Naphthylamine	U	1	<0.548	<2.72	<0.548	mg/Kg	10	0.548	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.230	<2.72	<0.230	mg/Kg	10	0.230	0.25	0.0211
Fluorene	Qs,U	1	<0.678	<2.72	<0.678	mg/Kg	10	0.678	0.25	0.0623
Diethylphthalate	U	1	<0.591	<2.72	<0.591	mg/Kg	10	0.591	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.512	<2.72	<0.512	mg/Kg	10	0.512	0.25	0.047
4-Nitroaniline	Qs,U	1	<1.13	<2.72	<1.13	mg/Kg	10	1.13	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.952	<2.72	<0.952	mg/Kg	10	0.952	0.25	0.0875
Diphenylamine	Qs,U	1	<0.614	<2.72	<0.614	mg/Kg	10	0.614	0.25	0.0564
Diphenylhydrazine	U		<0.701	<2.72	<0.701	mg/Kg	10	0.701	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.557	<2.72	<0.557	mg/Kg	10	0.557	0.25	0.0512
Phenacetin	U	1	<0.568	<2.72	<0.568	mg/Kg	10	0.568	0.25	0.0522
Hexachlorobenzene	U	1	<0.485	<2.72	<0.485	mg/Kg	10	0.485	0.25	0.0446
4-Aminobiphenyl	U	1	<0.383	<2.72	<0.383	mg/Kg	10	0.383	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.631	<2.72	<0.631	mg/Kg	10	0.631	0.25	0.058
Pentachloronitrobenzene	U	1	<0.376	<2.72	<0.376	mg/Kg	10	0.376	0.25	0.0346
Pronamide	Qc,U	1	<0.631	<2.72	<0.631	mg/Kg	10	0.631	0.25	0.058
Phenanthrene	Qs,U	1	<0.583	<2.72	<0.583	mg/Kg	10	0.583	0.25	0.0536
Anthracene	Qs,U	1	<0.393	<2.72	<0.393	mg/Kg	10	0.393	0.25	0.0361
Di-n-butylphthalate	U	1	<0.576	<2.72	<0.576	mg/Kg	10	0.576	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.371	<2.72	<0.371	mg/Kg	10	0.371	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.747	<2.72	<0.747	mg/Kg	10	0.747	0.25	0.0686
Pyrene	Qs,U	1	<0.424	<2.72	<0.424	mg/Kg	10	0.424	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.571	<2.72	<0.571	mg/Kg	10	0.571	0.25	0.0525
Butylbenzylphthalate	U	1	<0.748	<2.72	<0.748	mg/Kg	10	0.748	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.405	<2.72	<0.405	mg/Kg	10	0.405	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.533	<2.72	<0.533	mg/Kg	10	0.533	0.25	0.049
Chrysene	Qs,U	1	<0.542	<2.72	<0.542	mg/Kg	10	0.542	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.767	<2.72	<0.767	mg/Kg	10	0.767	0.25	0.0705
Di-n-octylphthalate	U	1	<0.740	<2.72	<0.740	mg/Kg	10	0.740	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.416	<2.72	<0.416	mg/Kg	10	0.416	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.320	<2.72	<0.320	mg/Kg	10	0.320	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.510	<2.72	<0.510	mg/Kg	10	0.510	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.484	<2.72	<0.484	mg/Kg	10	0.484	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.350	<2.72	<0.350	mg/Kg	10	0.350	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.703	<2.72	<0.703	mg/Kg	10	0.703	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.468	<2.72	<0.468	mg/Kg	10	0.468	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.514	<2.72	<0.514	mg/Kg	10	0.514	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.458	<2.72	<0.458	mg/Kg	10	0.458	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol	J		0.674	mg/Kg	10	2.67	25	10 - 88
Phenol-d5	J		1.27	mg/Kg	10	2.67	48	10 - 100
Nitrobenzene-d5	J		1.40	mg/Kg	10	2.67	52	10 - 89.7
2-Fluorobiphenyl	J		1.36	mg/Kg	10	2.67	51	13 - 93
2,4,6-Tribromophenol	J		1.28	mg/Kg	10	2.67	48	10 - 99.4
Terphenyl-d14	J		1.44	mg/Kg	10	2.67	54	38.9 - 94.4

Sample: 275025 - B-3 (0-5)

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84256	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0402	<0.544	<0.0402	mg/Kg	1	0.0402	0.5	0.0369
Total Arsenic	J	1	**2.14**	<2.18	<0.298	mg/Kg	1	0.298	2	0.274
Total Barium		1	**85.3**	**85.3**	<0.248	mg/Kg	1	0.248	1	0.228
Total Cadmium	U	1	<0.0607	<0.544	<0.0607	mg/Kg	1	0.0607	0.5	0.0558
Total Chromium		1	**11.8**	**11.8**	<0.146	mg/Kg	1	0.146	0.5	0.134
Total Mercury	J	1	**0.00600**	<0.0272	<0.00215	mg/Kg	1	0.00215	0.025	0.00198
Total Lead		1	**14.5**	**14.5**	<0.213	mg/Kg	1	0.213	1	0.196
Total Selenium	U	1	<0.231	<2.18	<0.231	mg/Kg	1	0.231	2	0.212

Sample: 275025 - B-3 (0-5)

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84159	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71449	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.0	<54.4	<14.0	mg/Kg	1	14.0	50	12.9
>C12-C28	U	1	<12.2	<54.4	<12.2	mg/Kg	1	12.2	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			102	mg/Kg	1	100	102	55.1 - 140
n-Tricosane			94.2	mg/Kg	1	100	94	65.2 - 142
n-Triacontane			107	mg/Kg	1	100	107	68.8 - 145

Sample: 275025 - B-3 (0-5)

Laboratory:	Lubbock					
Analysis:	Volatiles	Analytical Method:	S 8260 C		Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19		Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19		Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<6.88	<21.8	<6.88	µg/Kg	1	6.88	20	6.32
Dichlorodifluoromethane	Qr,U	1	<16.1	<21.8	<16.1	µg/Kg	1	16.1	20	14.8
Chloromethane (methyl chloride)	U	1	<5.13	<21.8	<5.13	µg/Kg	1	5.13	20	4.71
Vinyl Chloride	U	1	<14.6	<21.8	<14.6	µg/Kg	1	14.6	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<6.91	<109	<6.91	µg/Kg	1	6.91	100	6.35
Chloroethane	Qr,U	1	<10.3	<21.8	<10.3	µg/Kg	1	10.3	20	9.44
Trichlorofluoromethane	Qr,U	1	<15.8	<21.8	<15.8	µg/Kg	1	15.8	20	14.5
Acetone	Qc,U	1	<19.4	<218	<19.4	µg/Kg	1	19.4	200	17.8
Iodomethane (methyl iodide)	U	1	<5.89	<109	<5.89	µg/Kg	1	5.89	100	5.41
Carbon Disulfide	U	1	<5.82	<21.8	<5.82	µg/Kg	1	5.82	20	5.35
Acrylonitrile	Qc,U	1	<4.50	<21.8	<4.50	µg/Kg	1	4.50	20	4.14
2-Butanone (MEK)	Qc,U	1	<10.7	<109	<10.7	µg/Kg	1	10.7	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<8.92	<109	<8.92	µg/Kg	1	8.92	100	8.2
2-Hexanone	Qc,U	1	<9.53	<109	<9.53	µg/Kg	1	9.53	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.36	<218	<5.36	µg/Kg	1	5.36	200	4.93
1,1-Dichloroethene	U	1	<6.30	<21.8	<6.30	µg/Kg	1	6.30	20	5.79
Methylene chloride	JB	1	**21.1**	<109	15.0	µg/Kg	1	7.54	100	6.93
MTBE	U	1	<4.46	<21.8	<4.46	µg/Kg	1	4.46	20	4.1
trans-1,2-Dichloroethene	U	1	<6.84	<21.8	<6.84	µg/Kg	1	6.84	20	6.29
1,1-Dichloroethane	U	1	<6.06	<21.8	<6.06	µg/Kg	1	6.06	20	5.57
cis-1,2-Dichloroethene	U	1	<5.72	<21.8	<5.72	µg/Kg	1	5.72	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.13	<21.8	<6.13	µg/Kg	1	6.13	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.60	<21.8	<5.60	µg/Kg	1	5.60	20	5.15
Chloroform	U	1	<4.53	<21.8	<4.53	µg/Kg	1	4.53	20	4.16
1,1,1-Trichloroethane	U	1	<6.79	<21.8	<6.79	µg/Kg	1	6.79	20	6.24
1,1-Dichloropropene	U	1	<6.43	<21.8	<6.43	µg/Kg	1	6.43	20	5.91
Benzene	U	1	<6.61	<21.8	<6.61	µg/Kg	1	6.61	20	6.07
Carbon Tetrachloride	U	1	<5.56	<21.8	<5.56	µg/Kg	1	5.56	20	5.11
1,2-Dichloropropane	U	1	<6.22	<21.8	<6.22	µg/Kg	1	6.22	20	5.72
Trichloroethene (TCE)	U	1	<6.82	<21.8	<6.82	µg/Kg	1	6.82	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.65	<21.8	<4.65	µg/Kg	1	4.65	20	4.27
Bromodichloromethane	U	1	<8.33	<21.8	<8.33	µg/Kg	1	8.33	20	7.65

continued ...

sample 275025 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2-Chloroethyl vinyl ether	Qc,U	1	<5.74	<21.8	<5.74	µg/Kg	1	5.74	20	5.27
cis-1,3-Dichloropropene	U	1	<6.03	<21.8	<6.03	µg/Kg	1	6.03	20	5.54
trans-1,3-Dichloropropene	U	1	<4.53	<21.8	<4.53	µg/Kg	1	4.53	20	4.16
Toluene	U	1	<8.08	<21.8	<8.08	µg/Kg	1	8.08	20	7.42
1,1,2-Trichloroethane	U	1	<6.89	<21.8	<6.89	µg/Kg	1	6.89	20	6.33
1,3-Dichloropropane	U	1	<6.69	<21.8	<6.69	µg/Kg	1	6.69	20	6.15
Dibromochloromethane	U	1	<7.22	<21.8	<7.22	µg/Kg	1	7.22	20	6.63
1,2-Dibromoethane (EDB)	U	1	<6.65	<21.8	<6.65	µg/Kg	1	6.65	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<13.8	<21.8	<13.8	µg/Kg	1	13.8	20	12.7
Chlorobenzene	U	1	<8.52	<21.8	<8.52	µg/Kg	1	8.52	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.13	<21.8	<5.13	µg/Kg	1	5.13	20	4.71
Ethylbenzene	U	1	<8.38	<21.8	<8.38	µg/Kg	1	8.38	20	7.7
m,p-Xylene	U	1	<16.0	<21.8	<16.0	µg/Kg	1	16.0	20	14.7
Bromoform	U	1	<6.15	<21.8	<6.15	µg/Kg	1	6.15	20	5.65
Styrene	U	1	<8.59	<21.8	<8.59	µg/Kg	1	8.59	20	7.89
o-Xylene	U	1	<8.62	<21.8	<8.62	µg/Kg	1	8.62	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.60	<21.8	<5.60	µg/Kg	1	5.60	20	5.15
2-Chlorotoluene	U	1	<8.90	<21.8	<8.90	µg/Kg	1	8.90	20	8.18
1,2,3-Trichloropropane	U	1	<8.39	<21.8	<8.39	µg/Kg	1	8.39	20	7.71
Isopropylbenzene	Qc,U	1	<9.94	<21.8	<9.94	µg/Kg	1	9.94	20	9.13
Bromobenzene	U	1	<7.31	<21.8	<7.31	µg/Kg	1	7.31	20	6.72
n-Propylbenzene	U	1	<8.24	<21.8	<8.24	µg/Kg	1	8.24	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.39	<21.8	<9.39	µg/Kg	1	9.39	20	8.63
tert-Butylbenzene	Qc,U	1	<8.76	<21.8	<8.76	µg/Kg	1	8.76	20	8.05
1,2,4-Trimethylbenzene	U	1	<8.52	<21.8	<8.52	µg/Kg	1	8.52	20	7.83
1,4-Dichlorobenzene (para)	U	1	<9.50	<21.8	<9.50	µg/Kg	1	9.50	20	8.73
sec-Butylbenzene	U	1	<7.91	<21.8	<7.91	µg/Kg	1	7.91	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<7.77	<21.8	<7.77	µg/Kg	1	7.77	20	7.14
p-Isopropyltoluene	U		<6.82	<21.8	<6.82	µg/Kg	1	6.82	20	6.27
4-Chlorotoluene	U	1	<10.1	<21.8	<10.1	µg/Kg	1	10.1	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<9.90	<21.8	<9.90	µg/Kg	1	9.90	20	9.1
n-Butylbenzene	JB	1	**8.00**	<21.8	8.17	µg/Kg	1	7.93	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.28	<109	<8.28	µg/Kg	1	8.28	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<7.97	<109	23.7	µg/Kg	1	7.97	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.25	<109	14.8	µg/Kg	1	7.25	100	6.66
Naphthalene	JB,Qc	1	**36.0**	<109	57.0	µg/Kg	1	8.34	100	7.66
Hexachlorobutadiene	U	1	<13.4	<109	42.1	µg/Kg	1	13.4	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			941	µg/Kg	1	1000	94	70 - 130
Toluene-d8			991	µg/Kg	1	1000	99	70 - 130
4-Bromofluorobenzene (4-BFB)			873	µg/Kg	1	1000	87	70 - 130

Sample: 275026 - B-4 (0-5)

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84117	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71424	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	11.0	%	1	

Sample: 275026 - B-4 (0-5)

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84230	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00129	<0.00188	<0.00129	mg/Kg	1	0.00129	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00135	<0.00188	<0.00135	mg/Kg	1	0.00135	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00144	<0.00188	<0.00144	mg/Kg	1	0.00144	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00162	<0.00188	<0.00162	mg/Kg	1	0.00162	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00168	<0.00188	<0.00168	mg/Kg	1	0.00168	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00129	<0.00188	<0.00129	mg/Kg	1	0.00129	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00148	<0.00188	<0.00148	mg/Kg	1	0.00148	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00136	<0.00188	<0.00136	mg/Kg	1	0.00136	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00157	<0.00188	<0.00157	mg/Kg	1	0.00157	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0141	mg/Kg	1	0.0167	84	58.7 - 121

Sample: 275026 - B-4 (0-5)

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0404	<0.281	<0.0404	mg/Kg	1	0.0404	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0745	<0.281	<0.0745	mg/Kg	1	0.0745	0.25	0.0663
2-Picoline	U	1	<0.0634	<0.281	<0.0634	mg/Kg	1	0.0634	0.25	0.0564

continued . . .

sample 275026 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0581	<0.281	<0.0581	mg/Kg	1	0.0581	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0634	<0.281	<0.0634	mg/Kg	1	0.0634	0.25	0.0564
Phenol	Qc,U	1	<0.0494	<0.281	<0.0494	mg/Kg	1	0.0494	0.25	0.044
Aniline	U	1	<0.0585	<0.281	<0.0585	mg/Kg	1	0.0585	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0540	<0.281	<0.0540	mg/Kg	1	0.0540	0.25	0.0481
2-Chlorophenol	U	1	<0.0503	<0.281	<0.0503	mg/Kg	1	0.0503	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0385	<0.281	<0.0385	mg/Kg	1	0.0385	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0322	<0.281	<0.0322	mg/Kg	1	0.0322	0.25	0.0287
Benzyl alcohol	U	1	<0.0285	<0.281	<0.0285	mg/Kg	1	0.0285	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0655	<0.281	<0.0655	mg/Kg	1	0.0655	0.25	0.0583
2-Methylphenol	U	1	<0.0404	<0.281	<0.0404	mg/Kg	1	0.0404	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0606	<0.281	<0.0606	mg/Kg	1	0.0606	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0658	<0.281	<0.0658	mg/Kg	1	0.0658	0.25	0.0586
Acetophenone	U	1	<0.0381	<0.281	<0.0381	mg/Kg	1	0.0381	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0594	<0.281	<0.0594	mg/Kg	1	0.0594	0.25	0.0529
Hexachloroethane	U	1	<0.0591	<0.281	<0.0591	mg/Kg	1	0.0591	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0465	<0.281	<0.0465	mg/Kg	1	0.0465	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0540	<0.281	<0.0540	mg/Kg	1	0.0540	0.25	0.0481
Isophorone	U	1	<0.0607	<0.281	<0.0607	mg/Kg	1	0.0607	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0529	<0.281	<0.0529	mg/Kg	1	0.0529	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0447	<0.281	<0.0447	mg/Kg	1	0.0447	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0578	<0.281	<0.0578	mg/Kg	1	0.0578	0.25	0.0514
Benzoic acid	Qc,U	1	<0.0447	<0.281	<0.0447	mg/Kg	1	0.0447	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0348	<0.281	<0.0348	mg/Kg	1	0.0348	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0380	<0.281	<0.0380	mg/Kg	1	0.0380	0.25	0.0338
Naphthalene	Qs,U	1	<0.0610	<0.281	<0.0610	mg/Kg	1	0.0610	0.25	0.0543
4-Chloroaniline	U	1	<0.0461	<0.281	<0.0461	mg/Kg	1	0.0461	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0394	<0.281	<0.0394	mg/Kg	1	0.0394	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0436	<0.281	<0.0436	mg/Kg	1	0.0436	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0617	<0.281	<0.0617	mg/Kg	1	0.0617	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0299	<0.281	<0.0299	mg/Kg	1	0.0299	0.25	0.0266
1-Methylnaphthalene	U		<0.0591	<0.281	<0.0591	mg/Kg	1	0.0591	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0542	<0.281	<0.0542	mg/Kg	1	0.0542	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0435	<0.281	<0.0435	mg/Kg	1	0.0435	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.110	<0.281	<0.110	mg/Kg	1	0.110	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0499	<0.281	<0.0499	mg/Kg	1	0.0499	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0634	<0.281	<0.0634	mg/Kg	1	0.0634	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0529	<0.281	<0.0529	mg/Kg	1	0.0529	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0662	<0.281	<0.0662	mg/Kg	1	0.0662	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0461	<0.281	<0.0461	mg/Kg	1	0.0461	0.25	0.041
Dimethylphthalate	U	1	<0.0697	<0.281	<0.0697	mg/Kg	1	0.0697	0.25	0.062
Acenaphthylene	U	1	<0.0624	<0.281	<0.0624	mg/Kg	1	0.0624	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0625	<0.281	<0.0625	mg/Kg	1	0.0625	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.0522	<0.281	<0.0522	mg/Kg	1	0.0522	0.25	0.0465
Acenaphthene	Qs,U	1	<0.0627	<0.281	<0.0627	mg/Kg	1	0.0627	0.25	0.0558

continued ...

sample 275026 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.0938	<0.281	<0.0938	mg/Kg	1	0.0938	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0498	<0.281	<0.0498	mg/Kg	1	0.0498	0.25	0.0443
Pentachlorobenzene	U	1	<0.0539	<0.281	<0.0539	mg/Kg	1	0.0539	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0248	<0.281	<0.0248	mg/Kg	1	0.0248	0.25	0.0221
1-Naphthylamine	U	1	<0.0385	<0.281	<0.0385	mg/Kg	1	0.0385	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0709	<0.281	<0.0709	mg/Kg	1	0.0709	0.25	0.0631
2-Naphthylamine	U	1	<0.0566	<0.281	<0.0566	mg/Kg	1	0.0566	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0237	<0.281	<0.0237	mg/Kg	1	0.0237	0.25	0.0211
Fluorene	Qs,U	1	<0.0700	<0.281	<0.0700	mg/Kg	1	0.0700	0.25	0.0623
Diethylphthalate	U	1	<0.0610	<0.281	<0.0610	mg/Kg	1	0.0610	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0528	<0.281	<0.0528	mg/Kg	1	0.0528	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.117	<0.281	<0.117	mg/Kg	1	0.117	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.0983	<0.281	<0.0983	mg/Kg	1	0.0983	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0634	<0.281	<0.0634	mg/Kg	1	0.0634	0.25	0.0564
Diphenylhydrazine	U		<0.0724	<0.281	<0.0724	mg/Kg	1	0.0724	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0575	<0.281	<0.0575	mg/Kg	1	0.0575	0.25	0.0512
Phenacetin	U	1	<0.0586	<0.281	<0.0586	mg/Kg	1	0.0586	0.25	0.0522
Hexachlorobenzene	U	1	<0.0501	<0.281	<0.0501	mg/Kg	1	0.0501	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0396	<0.281	<0.0396	mg/Kg	1	0.0396	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0652	<0.281	<0.0652	mg/Kg	1	0.0652	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0389	<0.281	<0.0389	mg/Kg	1	0.0389	0.25	0.0346
Pronamide	Qc,U	1	<0.0652	<0.281	<0.0652	mg/Kg	1	0.0652	0.25	0.058
Phenanthrene	Qs,U	1	<0.0602	<0.281	<0.0602	mg/Kg	1	0.0602	0.25	0.0536
Anthracene	Qs,U	1	<0.0406	<0.281	<0.0406	mg/Kg	1	0.0406	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0594	<0.281	<0.0594	mg/Kg	1	0.0594	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.0383	<0.281	<0.0383	mg/Kg	1	0.0383	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0771	<0.281	<0.0771	mg/Kg	1	0.0771	0.25	0.0686
Pyrene	Qs,U	1	<0.0438	<0.281	<0.0438	mg/Kg	1	0.0438	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0590	<0.281	<0.0590	mg/Kg	1	0.0590	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0772	<0.281	<0.0772	mg/Kg	1	0.0772	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.0418	<0.281	<0.0418	mg/Kg	1	0.0418	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0550	<0.281	<0.0550	mg/Kg	1	0.0550	0.25	0.049
Chrysene	Qs,U	1	<0.0560	<0.281	<0.0560	mg/Kg	1	0.0560	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0792	<0.281	<0.0792	mg/Kg	1	0.0792	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0764	<0.281	<0.0764	mg/Kg	1	0.0764	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.0429	<0.281	<0.0429	mg/Kg	1	0.0429	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0330	<0.281	<0.0330	mg/Kg	1	0.0330	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.0527	<0.281	<0.0527	mg/Kg	1	0.0527	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.0500	<0.281	<0.0500	mg/Kg	1	0.0500	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0362	<0.281	<0.0362	mg/Kg	1	0.0362	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0726	<0.281	<0.0726	mg/Kg	1	0.0726	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.0483	<0.281	<0.0483	mg/Kg	1	0.0483	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0530	<0.281	<0.0530	mg/Kg	1	0.0530	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.0473	<0.281	<0.0473	mg/Kg	1	0.0473	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			1.77	mg/Kg	1	2.67	66	10 - 88
Phenol-d5			1.84	mg/Kg	1	2.67	69	10 - 100
Nitrobenzene-d5			2.33	mg/Kg	1	2.67	87	10 - 89.7
2-Fluorobiphenyl			1.84	mg/Kg	1	2.67	69	13 - 93
2,4,6-Tribromophenol			2.45	mg/Kg	1	2.67	92	10 - 99.4
Terphenyl-d14			1.99	mg/Kg	1	2.67	74	38.9 - 94.4

Sample: 275026 - B-4 (0-5)

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84257	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0415	<0.562	<0.0415	mg/Kg	1	0.0415	0.5	0.0369
Total Arsenic	U	1	<0.308	<2.25	<0.308	mg/Kg	1	0.308	2	0.274
Total Barium		1	**268**	**268**	<0.256	mg/Kg	1	0.256	1	0.228
Total Cadmium	U	1	<0.0627	<0.562	<0.0627	mg/Kg	1	0.0627	0.5	0.0558
Total Chromium		1	**14.8**	**14.8**	<0.150	mg/Kg	1	0.150	0.5	0.134
Total Mercury	J	1	**0.00458**	<0.0281	<0.00222	mg/Kg	1	0.00222	0.025	0.00198
Total Lead		1	**10.2**	**10.2**	<0.220	mg/Kg	1	0.220	1	0.196
Total Selenium	U	1	<0.238	<2.25	<0.238	mg/Kg	1	0.238	2	0.212

Sample: 275026 - B-4 (0-5)

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84159	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71449	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.5	<56.2	<14.5	mg/Kg	1	14.5	50	12.9
>C12-C28	U	1	<12.6	<56.2	<12.6	mg/Kg	1	12.6	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			101	mg/Kg	1	100	101	55.1 - 140
n-Tricosane			91.9	mg/Kg	1	100	92	65.2 - 142
n-Triacontane			107	mg/Kg	1	100	107	68.8 - 145

Sample: 275026 - B-4 (0-5)

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.10	<22.5	<7.10	µg/Kg	1	7.10	20	6.32
Dichlorodifluoromethane	Qr,U	1	<16.6	<22.5	<16.6	µg/Kg	1	16.6	20	14.8
Chloromethane (methyl chloride)	U	1	<5.29	<22.5	<5.29	µg/Kg	1	5.29	20	4.71
Vinyl Chloride	U	1	<15.0	<22.5	<15.0	µg/Kg	1	15.0	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.13	<112	<7.13	µg/Kg	1	7.13	100	6.35
Chloroethane	Qr,U	1	<10.6	<22.5	<10.6	µg/Kg	1	10.6	20	9.44
Trichlorofluoromethane	Qr,U	1	<16.3	<22.5	<16.3	µg/Kg	1	16.3	20	14.5
Acetone	Qc,U	1	<20.0	<225	<20.0	µg/Kg	1	20.0	200	17.8
Iodomethane (methyl iodide)	U	1	<6.08	<112	<6.08	µg/Kg	1	6.08	100	5.41
Carbon Disulfide	U	1	<6.01	<22.5	<6.01	µg/Kg	1	6.01	20	5.35
Acrylonitrile	Qc,U	1	<4.65	<22.5	<4.65	µg/Kg	1	4.65	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.0	<112	<11.0	µg/Kg	1	11.0	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.21	<112	<9.21	µg/Kg	1	9.21	100	8.2
2-Hexanone	Qc,U	1	<9.84	<112	<9.84	µg/Kg	1	9.84	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.54	<225	<5.54	µg/Kg	1	5.54	200	4.93
1,1-Dichloroethene	U	1	<6.50	<22.5	<6.50	µg/Kg	1	6.50	20	5.79
Methylene chloride	U	1	<7.79	<112	15.5	µg/Kg	1	7.79	100	6.93
MTBE	U	1	<4.61	<22.5	<4.61	µg/Kg	1	4.61	20	4.1
trans-1,2-Dichloroethene	U	1	<7.07	<22.5	<7.07	µg/Kg	1	7.07	20	6.29
1,1-Dichloroethane	U	1	<6.26	<22.5	<6.26	µg/Kg	1	6.26	20	5.57
cis-1,2-Dichloroethene	U	1	<5.91	<22.5	<5.91	µg/Kg	1	5.91	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.32	<22.5	<6.32	µg/Kg	1	6.32	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.79	<22.5	<5.79	µg/Kg	1	5.79	20	5.15
Chloroform	U	1	<4.67	<22.5	<4.67	µg/Kg	1	4.67	20	4.16
1,1,1-Trichloroethane	U	1	<7.01	<22.5	<7.01	µg/Kg	1	7.01	20	6.24
1,1-Dichloropropene	U	1	<6.64	<22.5	<6.64	µg/Kg	1	6.64	20	5.91
Benzene	U	1	<6.82	<22.5	<6.82	µg/Kg	1	6.82	20	6.07
Carbon Tetrachloride	U	1	<5.74	<22.5	<5.74	µg/Kg	1	5.74	20	5.11
1,2-Dichloropropane	U	1	<6.43	<22.5	<6.43	µg/Kg	1	6.43	20	5.72
Trichloroethene (TCE)	U	1	<7.04	<22.5	<7.04	µg/Kg	1	7.04	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.80	<22.5	<4.80	µg/Kg	1	4.80	20	4.27
Bromodichloromethane	U	1	<8.60	<22.5	<8.60	µg/Kg	1	8.60	20	7.65

continued ...

sample 275026 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2-Chloroethyl vinyl ether	Qc,U	1	<5.92	<22.5	<5.92	µg/Kg	1	5.92	20	5.27
cis-1,3-Dichloropropene	U	1	<6.22	<22.5	<6.22	µg/Kg	1	6.22	20	5.54
trans-1,3-Dichloropropene	U	1	<4.67	<22.5	<4.67	µg/Kg	1	4.67	20	4.16
Toluene	U	1	<8.34	<22.5	<8.34	µg/Kg	1	8.34	20	7.42
1,1,2-Trichloroethane	U	1	<7.11	<22.5	<7.11	µg/Kg	1	7.11	20	6.33
1,3-Dichloropropane	U	1	<6.91	<22.5	<6.91	µg/Kg	1	6.91	20	6.15
Dibromochloromethane	U	1	<7.45	<22.5	<7.45	µg/Kg	1	7.45	20	6.63
1,2-Dibromoethane (EDB)	U	1	<6.86	<22.5	<6.86	µg/Kg	1	6.86	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.3	<22.5	<14.3	µg/Kg	1	14.3	20	12.7
Chlorobenzene	U	1	<8.80	<22.5	<8.80	µg/Kg	1	8.80	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.29	<22.5	<5.29	µg/Kg	1	5.29	20	4.71
Ethylbenzene	U	1	<8.65	<22.5	<8.65	µg/Kg	1	8.65	20	7.7
m,p-Xylene	U	1	<16.5	<22.5	<16.5	µg/Kg	1	16.5	20	14.7
Bromoform	U	1	<6.35	<22.5	<6.35	µg/Kg	1	6.35	20	5.65
Styrene	U	1	<8.86	<22.5	<8.86	µg/Kg	1	8.86	20	7.89
o-Xylene	U	1	<8.90	<22.5	<8.90	µg/Kg	1	8.90	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.79	<22.5	<5.79	µg/Kg	1	5.79	20	5.15
2-Chlorotoluene	U	1	<9.19	<22.5	<9.19	µg/Kg	1	9.19	20	8.18
1,2,3-Trichloropropane	U	1	<8.66	<22.5	<8.66	µg/Kg	1	8.66	20	7.71
Isopropylbenzene	Qc,U	1	<10.2	<22.5	<10.2	µg/Kg	1	10.2	20	9.13
Bromobenzene	U	1	<7.55	<22.5	<7.55	µg/Kg	1	7.55	20	6.72
n-Propylbenzene	U	1	<8.50	<22.5	<8.50	µg/Kg	1	8.50	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.70	<22.5	<9.70	µg/Kg	1	9.70	20	8.63
tert-Butylbenzene	Qc,U	1	<9.04	<22.5	<9.04	µg/Kg	1	9.04	20	8.05
1,2,4-Trimethylbenzene	U	1	<8.80	<22.5	<8.80	µg/Kg	1	8.80	20	7.83
1,4-Dichlorobenzene (para)	U	1	<9.81	<22.5	<9.81	µg/Kg	1	9.81	20	8.73
sec-Butylbenzene	U	1	<8.17	<22.5	<8.17	µg/Kg	1	8.17	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.02	<22.5	<8.02	µg/Kg	1	8.02	20	7.14
p-Isopropyltoluene	U		<7.04	<22.5	<7.04	µg/Kg	1	7.04	20	6.27
4-Chlorotoluene	U	1	<10.5	<22.5	<10.5	µg/Kg	1	10.5	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.2	<22.5	<10.2	µg/Kg	1	10.2	20	9.1
n-Butylbenzene	U	1	<8.19	<22.5	8.44	µg/Kg	1	8.19	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.55	<112	<8.55	µg/Kg	1	8.55	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.22	<112	24.5	µg/Kg	1	8.22	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.48	<112	15.3	µg/Kg	1	7.48	100	6.66
Naphthalene	JB,Qc	1	**28.0**	<112	58.9	µg/Kg	1	8.61	100	7.66
Hexachlorobutadiene	U	1	<13.8	<112	43.5	µg/Kg	1	13.8	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			933	µg/Kg	1	1000	93	70 - 130
Toluene-d8			980	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			876	µg/Kg	1	1000	88	70 - 130

Sample: 275027 - B-5 (5-10)

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84117	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71424	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	10.8	%	1	

Sample: 275027 - B-5 (5-10)

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84230	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00129	<0.00187	<0.00129	mg/Kg	1	0.00129	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00134	<0.00187	<0.00134	mg/Kg	1	0.00134	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00143	<0.00187	<0.00143	mg/Kg	1	0.00143	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00161	<0.00187	<0.00161	mg/Kg	1	0.00161	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00168	<0.00187	<0.00168	mg/Kg	1	0.00168	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00129	<0.00187	<0.00129	mg/Kg	1	0.00129	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00148	<0.00187	<0.00148	mg/Kg	1	0.00148	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00136	<0.00187	<0.00136	mg/Kg	1	0.00136	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00157	<0.00187	<0.00157	mg/Kg	1	0.00157	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0149	mg/Kg	1	0.0167	89	58.7 - 121

Sample: 275027 - B-5 (5-10)

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0404	<0.280	<0.0404	mg/Kg	1	0.0404	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0743	<0.280	<0.0743	mg/Kg	1	0.0743	0.25	0.0663
2-Picoline	U	1	<0.0632	<0.280	<0.0632	mg/Kg	1	0.0632	0.25	0.0564

continued . . .

sample 275027 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0580	<0.280	<0.0580	mg/Kg	1	0.0580	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0632	<0.280	<0.0632	mg/Kg	1	0.0632	0.25	0.0564
Phenol	Qc,U	1	<0.0493	<0.280	<0.0493	mg/Kg	1	0.0493	0.25	0.044
Aniline	U	1	<0.0584	<0.280	<0.0584	mg/Kg	1	0.0584	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0539	<0.280	<0.0539	mg/Kg	1	0.0539	0.25	0.0481
2-Chlorophenol	U	1	<0.0502	<0.280	<0.0502	mg/Kg	1	0.0502	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0384	<0.280	<0.0384	mg/Kg	1	0.0384	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0322	<0.280	<0.0322	mg/Kg	1	0.0322	0.25	0.0287
Benzyl alcohol	U	1	<0.0285	<0.280	<0.0285	mg/Kg	1	0.0285	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0654	<0.280	<0.0654	mg/Kg	1	0.0654	0.25	0.0583
2-Methylphenol	U	1	<0.0404	<0.280	<0.0404	mg/Kg	1	0.0404	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0604	<0.280	<0.0604	mg/Kg	1	0.0604	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0657	<0.280	<0.0657	mg/Kg	1	0.0657	0.25	0.0586
Acetophenone	U	1	<0.0380	<0.280	<0.0380	mg/Kg	1	0.0380	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0593	<0.280	<0.0593	mg/Kg	1	0.0593	0.25	0.0529
Hexachloroethane	U	1	<0.0590	<0.280	<0.0590	mg/Kg	1	0.0590	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0464	<0.280	<0.0464	mg/Kg	1	0.0464	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0539	<0.280	<0.0539	mg/Kg	1	0.0539	0.25	0.0481
Isophorone	U	1	<0.0605	<0.280	<0.0605	mg/Kg	1	0.0605	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0528	<0.280	<0.0528	mg/Kg	1	0.0528	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0446	<0.280	<0.0446	mg/Kg	1	0.0446	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0576	<0.280	<0.0576	mg/Kg	1	0.0576	0.25	0.0514
Benzoic acid	Qc,U	1	<0.0446	<0.280	<0.0446	mg/Kg	1	0.0446	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0348	<0.280	<0.0348	mg/Kg	1	0.0348	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0379	<0.280	<0.0379	mg/Kg	1	0.0379	0.25	0.0338
Naphthalene	Qs,U	1	<0.0609	<0.280	<0.0609	mg/Kg	1	0.0609	0.25	0.0543
4-Chloroaniline	U	1	<0.0460	<0.280	<0.0460	mg/Kg	1	0.0460	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0393	<0.280	<0.0393	mg/Kg	1	0.0393	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0435	<0.280	<0.0435	mg/Kg	1	0.0435	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0615	<0.280	<0.0615	mg/Kg	1	0.0615	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0298	<0.280	<0.0298	mg/Kg	1	0.0298	0.25	0.0266
1-Methylnaphthalene	U		<0.0590	<0.280	<0.0590	mg/Kg	1	0.0590	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0540	<0.280	<0.0540	mg/Kg	1	0.0540	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0434	<0.280	<0.0434	mg/Kg	1	0.0434	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.110	<0.280	<0.110	mg/Kg	1	0.110	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0498	<0.280	<0.0498	mg/Kg	1	0.0498	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0632	<0.280	<0.0632	mg/Kg	1	0.0632	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0528	<0.280	<0.0528	mg/Kg	1	0.0528	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0660	<0.280	<0.0660	mg/Kg	1	0.0660	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0460	<0.280	<0.0460	mg/Kg	1	0.0460	0.25	0.041
Dimethylphthalate	U	1	<0.0695	<0.280	<0.0695	mg/Kg	1	0.0695	0.25	0.062
Acenaphthylene	U	1	<0.0622	<0.280	<0.0622	mg/Kg	1	0.0622	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0623	<0.280	<0.0623	mg/Kg	1	0.0623	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.0521	<0.280	<0.0521	mg/Kg	1	0.0521	0.25	0.0465
Acenaphthene	Qs,U	1	<0.0626	<0.280	<0.0626	mg/Kg	1	0.0626	0.25	0.0558

continued . . .

sample 275027 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.0936	<0.280	<0.0936	mg/Kg	1	0.0936	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0497	<0.280	<0.0497	mg/Kg	1	0.0497	0.25	0.0443
Pentachlorobenzene	U	1	<0.0538	<0.280	<0.0538	mg/Kg	1	0.0538	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0248	<0.280	<0.0248	mg/Kg	1	0.0248	0.25	0.0221
1-Naphthylamine	U	1	<0.0384	<0.280	<0.0384	mg/Kg	1	0.0384	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0707	<0.280	<0.0707	mg/Kg	1	0.0707	0.25	0.0631
2-Naphthylamine	U	1	<0.0565	<0.280	<0.0565	mg/Kg	1	0.0565	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0236	<0.280	<0.0236	mg/Kg	1	0.0236	0.25	0.0211
Fluorene	Qs,U	1	<0.0698	<0.280	<0.0698	mg/Kg	1	0.0698	0.25	0.0623
Diethylphthalate	U	1	<0.0609	<0.280	<0.0609	mg/Kg	1	0.0609	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0527	<0.280	<0.0527	mg/Kg	1	0.0527	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.116	<0.280	<0.116	mg/Kg	1	0.116	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.0981	<0.280	<0.0981	mg/Kg	1	0.0981	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0632	<0.280	<0.0632	mg/Kg	1	0.0632	0.25	0.0564
Diphenylhydrazine	U		<0.0722	<0.280	<0.0722	mg/Kg	1	0.0722	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0574	<0.280	<0.0574	mg/Kg	1	0.0574	0.25	0.0512
Phenacetin	U	1	<0.0585	<0.280	<0.0585	mg/Kg	1	0.0585	0.25	0.0522
Hexachlorobenzene	U	1	<0.0500	<0.280	<0.0500	mg/Kg	1	0.0500	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0395	<0.280	<0.0395	mg/Kg	1	0.0395	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0650	<0.280	<0.0650	mg/Kg	1	0.0650	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0388	<0.280	<0.0388	mg/Kg	1	0.0388	0.25	0.0346
Pronamide	Qc,U	1	<0.0650	<0.280	<0.0650	mg/Kg	1	0.0650	0.25	0.058
Phenanthrene	Qs,U	1	<0.0601	<0.280	<0.0601	mg/Kg	1	0.0601	0.25	0.0536
Anthracene	Qs,U	1	<0.0405	<0.280	<0.0405	mg/Kg	1	0.0405	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0593	<0.280	<0.0593	mg/Kg	1	0.0593	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.0382	<0.280	<0.0382	mg/Kg	1	0.0382	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0769	<0.280	<0.0769	mg/Kg	1	0.0769	0.25	0.0686
Pyrene	Qs,U	1	<0.0437	<0.280	<0.0437	mg/Kg	1	0.0437	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0588	<0.280	<0.0588	mg/Kg	1	0.0588	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0770	<0.280	<0.0770	mg/Kg	1	0.0770	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.0417	<0.280	<0.0417	mg/Kg	1	0.0417	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0549	<0.280	<0.0549	mg/Kg	1	0.0549	0.25	0.049
Chrysene	Qs,U	1	<0.0558	<0.280	<0.0558	mg/Kg	1	0.0558	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0790	<0.280	<0.0790	mg/Kg	1	0.0790	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0762	<0.280	<0.0762	mg/Kg	1	0.0762	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.0428	<0.280	<0.0428	mg/Kg	1	0.0428	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0330	<0.280	<0.0330	mg/Kg	1	0.0330	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.0526	<0.280	<0.0526	mg/Kg	1	0.0526	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.0499	<0.280	<0.0499	mg/Kg	1	0.0499	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0361	<0.280	<0.0361	mg/Kg	1	0.0361	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0724	<0.280	<0.0724	mg/Kg	1	0.0724	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.0482	<0.280	<0.0482	mg/Kg	1	0.0482	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0529	<0.280	<0.0529	mg/Kg	1	0.0529	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.0472	<0.280	<0.0472	mg/Kg	1	0.0472	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.906	mg/Kg	1	2.67	34	10 - 88
Phenol-d5			0.946	mg/Kg	1	2.67	35	10 - 100
Nitrobenzene-d5			1.18	mg/Kg	1	2.67	44	10 - 89.7
2-Fluorobiphenyl			1.01	mg/Kg	1	2.67	38	13 - 93
2,4,6-Tribromophenol			1.40	mg/Kg	1	2.67	52	10 - 99.4
Terphenyl-d14			1.17	mg/Kg	1	2.67	44	38.9 - 94.4

Sample: 275027 - B-5 (5-10)

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84257	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0414	<0.560	<0.0414	mg/Kg	1	0.0414	0.5	0.0369
Total Arsenic	U	1	<0.307	<2.24	<0.307	mg/Kg	1	0.307	2	0.274
Total Barium		1	**164**	**164**	<0.256	mg/Kg	1	0.256	1	0.228
Total Cadmium	U	1	<0.0626	<0.560	<0.0626	mg/Kg	1	0.0626	0.5	0.0558
Total Chromium		1	**14.5**	**14.5**	<0.150	mg/Kg	1	0.150	0.5	0.134
Total Mercury	J	1	**0.00658**	<0.0280	<0.00222	mg/Kg	1	0.00222	0.025	0.00198
Total Lead		1	**9.66**	**9.66**	<0.220	mg/Kg	1	0.220	1	0.196
Total Selenium	U	1	<0.238	<2.24	<0.238	mg/Kg	1	0.238	2	0.212

Sample: 275027 - B-5 (5-10)

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84159	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71449	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.5	<56.0	<14.5	mg/Kg	1	14.5	50	12.9
>C12-C28	U	1	<12.6	<56.0	<12.6	mg/Kg	1	12.6	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			114	mg/Kg	1	100	114	55.1 - 140
n-Tricosane			106	mg/Kg	1	100	106	65.2 - 142
n-Triacontane			119	mg/Kg	1	100	119	68.8 - 145

Sample: 275027 - B-5 (5-10)

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.08	<22.4	<7.08	µg/Kg	1	7.08	20	6.32
Dichlorodifluoromethane	Qr,U	1	<16.6	<22.4	<16.6	µg/Kg	1	16.6	20	14.8
Chloromethane (methyl chloride)	U	1	<5.28	<22.4	<5.28	µg/Kg	1	5.28	20	4.71
Vinyl Chloride	U	1	<15.0	<22.4	<15.0	µg/Kg	1	15.0	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.12	<112	<7.12	µg/Kg	1	7.12	100	6.35
Chloroethane	Qr,U	1	<10.6	<22.4	<10.6	µg/Kg	1	10.6	20	9.44
Trichlorofluoromethane	Qr,U	1	<16.2	<22.4	<16.2	µg/Kg	1	16.2	20	14.5
Acetone	Qc,U	1	<20.0	<224	<20.0	µg/Kg	1	20.0	200	17.8
Iodomethane (methyl iodide)	U	1	<6.06	<112	<6.06	µg/Kg	1	6.06	100	5.41
Carbon Disulfide	U	1	<6.00	<22.4	<6.00	µg/Kg	1	6.00	20	5.35
Acrylonitrile	Qc,U	1	<4.64	<22.4	<4.64	µg/Kg	1	4.64	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.0	<112	<11.0	µg/Kg	1	11.0	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.19	<112	<9.19	µg/Kg	1	9.19	100	8.2
2-Hexanone	Qc,U	1	<9.82	<112	<9.82	µg/Kg	1	9.82	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.53	<224	<5.53	µg/Kg	1	5.53	200	4.93
1,1-Dichloroethene	U	1	<6.49	<22.4	<6.49	µg/Kg	1	6.49	20	5.79
Methylene chloride	JB	1	**16.9**	<112	15.5	µg/Kg	1	7.77	100	6.93
MTBE	U	1	<4.60	<22.4	<4.60	µg/Kg	1	4.60	20	4.1
trans-1,2-Dichloroethene	U	1	<7.05	<22.4	<7.05	µg/Kg	1	7.05	20	6.29
1,1-Dichloroethane	U	1	<6.24	<22.4	<6.24	µg/Kg	1	6.24	20	5.57
cis-1,2-Dichloroethene	U	1	<5.90	<22.4	<5.90	µg/Kg	1	5.90	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.31	<22.4	<6.31	µg/Kg	1	6.31	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.77	<22.4	<5.77	µg/Kg	1	5.77	20	5.15
Chloroform	U	1	<4.66	<22.4	<4.66	µg/Kg	1	4.66	20	4.16
1,1,1-Trichloroethane	U	1	<7.00	<22.4	<7.00	µg/Kg	1	7.00	20	6.24
1,1-Dichloropropene	U	1	<6.62	<22.4	<6.62	µg/Kg	1	6.62	20	5.91
Benzene	U	1	<6.80	<22.4	<6.80	µg/Kg	1	6.80	20	6.07
Carbon Tetrachloride	U	1	<5.73	<22.4	<5.73	µg/Kg	1	5.73	20	5.11
1,2-Dichloropropane	U	1	<6.41	<22.4	<6.41	µg/Kg	1	6.41	20	5.72
Trichloroethene (TCE)	U	1	<7.03	<22.4	<7.03	µg/Kg	1	7.03	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.79	<22.4	<4.79	µg/Kg	1	4.79	20	4.27
Bromodichloromethane	U	1	<8.58	<22.4	<8.58	µg/Kg	1	8.58	20	7.65

continued . . .

sample 275027 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2-Chloroethyl vinyl ether	Qc,U	1	<5.91	<22.4	<5.91	µg/Kg	1	5.91	20	5.27
cis-1,3-Dichloropropene	U	1	<6.21	<22.4	<6.21	µg/Kg	1	6.21	20	5.54
trans-1,3-Dichloropropene	U	1	<4.66	<22.4	<4.66	µg/Kg	1	4.66	20	4.16
Toluene	U	1	<8.32	<22.4	<8.32	µg/Kg	1	8.32	20	7.42
1,1,2-Trichloroethane	U	1	<7.10	<22.4	<7.10	µg/Kg	1	7.10	20	6.33
1,3-Dichloropropane	U	1	<6.89	<22.4	<6.89	µg/Kg	1	6.89	20	6.15
Dibromochloromethane	U	1	<7.43	<22.4	<7.43	µg/Kg	1	7.43	20	6.63
1,2-Dibromoethane (EDB)	U	1	<6.85	<22.4	<6.85	µg/Kg	1	6.85	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.2	<22.4	<14.2	µg/Kg	1	14.2	20	12.7
Chlorobenzene	U	1	<8.78	<22.4	<8.78	µg/Kg	1	8.78	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.28	<22.4	<5.28	µg/Kg	1	5.28	20	4.71
Ethylbenzene	U	1	<8.63	<22.4	<8.63	µg/Kg	1	8.63	20	7.7
m,p-Xylene	U	1	<16.5	<22.4	<16.5	µg/Kg	1	16.5	20	14.7
Bromoform	U	1	<6.33	<22.4	<6.33	µg/Kg	1	6.33	20	5.65
Styrene	U	1	<8.84	<22.4	<8.84	µg/Kg	1	8.84	20	7.89
o-Xylene	U	1	<8.88	<22.4	<8.88	µg/Kg	1	8.88	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.77	<22.4	<5.77	µg/Kg	1	5.77	20	5.15
2-Chlorotoluene	U	1	<9.17	<22.4	<9.17	µg/Kg	1	9.17	20	8.18
1,2,3-Trichloropropane	U	1	<8.64	<22.4	<8.64	µg/Kg	1	8.64	20	7.71
Isopropylbenzene	Qc,U	1	<10.2	<22.4	<10.2	µg/Kg	1	10.2	20	9.13
Bromobenzene	U	1	<7.53	<22.4	<7.53	µg/Kg	1	7.53	20	6.72
n-Propylbenzene	U	1	<8.49	<22.4	<8.49	µg/Kg	1	8.49	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.67	<22.4	<9.67	µg/Kg	1	9.67	20	8.63
tert-Butylbenzene	Qc,U	1	<9.02	<22.4	<9.02	µg/Kg	1	9.02	20	8.05
1,2,4-Trimethylbenzene	U	1	<8.78	<22.4	<8.78	µg/Kg	1	8.78	20	7.83
1,4-Dichlorobenzene (para)	U	1	<9.79	<22.4	<9.79	µg/Kg	1	9.79	20	8.73
sec-Butylbenzene	U	1	<8.15	<22.4	<8.15	µg/Kg	1	8.15	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.00	<22.4	<8.00	µg/Kg	1	8.00	20	7.14
p-Isopropyltoluene	U		<7.03	<22.4	<7.03	µg/Kg	1	7.03	20	6.27
4-Chlorotoluene	U	1	<10.4	<22.4	<10.4	µg/Kg	1	10.4	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.2	<22.4	<10.2	µg/Kg	1	10.2	20	9.1
n-Butylbenzene	U	1	<8.17	<22.4	8.42	µg/Kg	1	8.17	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.53	<112	<8.53	µg/Kg	1	8.53	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.21	<112	24.4	µg/Kg	1	8.21	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.47	<112	15.2	µg/Kg	1	7.47	100	6.66
Naphthalene	JB,Qc	1	**17.6**	<112	58.7	µg/Kg	1	8.59	100	7.66
Hexachlorobutadiene	U	1	<13.8	<112	43.4	µg/Kg	1	13.8	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			904	µg/Kg	1	1000	90	70 - 130
Toluene-d8			977	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			875	µg/Kg	1	1000	88	70 - 130

Sample: 275028 - B-6 (0-5)

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84117	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71424	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	12.2	%	1	

Sample: 275028 - B-6 (0-5)

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84230	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00131	<0.00190	<0.00131	mg/Kg	1	0.00131	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00137	<0.00190	<0.00137	mg/Kg	1	0.00137	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00146	<0.00190	<0.00146	mg/Kg	1	0.00146	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00164	<0.00190	<0.00164	mg/Kg	1	0.00164	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00171	<0.00190	<0.00171	mg/Kg	1	0.00171	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00131	<0.00190	<0.00131	mg/Kg	1	0.00131	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00150	<0.00190	<0.00150	mg/Kg	1	0.00150	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00138	<0.00190	<0.00138	mg/Kg	1	0.00138	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00159	<0.00190	<0.00159	mg/Kg	1	0.00159	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0139	mg/Kg	1	0.0167	83	58.7 - 121

Sample: 275028 - B-6 (0-5)

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0410	<0.285	<0.0410	mg/Kg	1	0.0410	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0755	<0.285	<0.0755	mg/Kg	1	0.0755	0.25	0.0663
2-Picoline	U	1	<0.0642	<0.285	<0.0642	mg/Kg	1	0.0642	0.25	0.0564

continued . . .

sample 275028 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0589	<0.285	<0.0589	mg/Kg	1	0.0589	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0642	<0.285	<0.0642	mg/Kg	1	0.0642	0.25	0.0564
Phenol	Qc,U	1	<0.0501	<0.285	<0.0501	mg/Kg	1	0.0501	0.25	0.044
Aniline	U	1	<0.0593	<0.285	<0.0593	mg/Kg	1	0.0593	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0548	<0.285	<0.0548	mg/Kg	1	0.0548	0.25	0.0481
2-Chlorophenol	U	1	<0.0510	<0.285	<0.0510	mg/Kg	1	0.0510	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0391	<0.285	<0.0391	mg/Kg	1	0.0391	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0327	<0.285	<0.0327	mg/Kg	1	0.0327	0.25	0.0287
Benzyl alcohol	U	1	<0.0289	<0.285	<0.0289	mg/Kg	1	0.0289	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0664	<0.285	<0.0664	mg/Kg	1	0.0664	0.25	0.0583
2-Methylphenol	U	1	<0.0410	<0.285	<0.0410	mg/Kg	1	0.0410	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0614	<0.285	<0.0614	mg/Kg	1	0.0614	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0667	<0.285	<0.0667	mg/Kg	1	0.0667	0.25	0.0586
Acetophenone	U	1	<0.0386	<0.285	<0.0386	mg/Kg	1	0.0386	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0602	<0.285	<0.0602	mg/Kg	1	0.0602	0.25	0.0529
Hexachloroethane	U	1	<0.0599	<0.285	<0.0599	mg/Kg	1	0.0599	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0472	<0.285	<0.0472	mg/Kg	1	0.0472	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0548	<0.285	<0.0548	mg/Kg	1	0.0548	0.25	0.0481
Isophorone	U	1	<0.0615	<0.285	<0.0615	mg/Kg	1	0.0615	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0536	<0.285	<0.0536	mg/Kg	1	0.0536	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0453	<0.285	<0.0453	mg/Kg	1	0.0453	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0585	<0.285	<0.0585	mg/Kg	1	0.0585	0.25	0.0514
Benzoic acid	Qc,U	1	<0.0453	<0.285	<0.0453	mg/Kg	1	0.0453	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0353	<0.285	<0.0353	mg/Kg	1	0.0353	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0385	<0.285	<0.0385	mg/Kg	1	0.0385	0.25	0.0338
Naphthalene	Qs,U	1	<0.0618	<0.285	<0.0618	mg/Kg	1	0.0618	0.25	0.0543
4-Chloroaniline	U	1	<0.0467	<0.285	<0.0467	mg/Kg	1	0.0467	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0400	<0.285	<0.0400	mg/Kg	1	0.0400	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0442	<0.285	<0.0442	mg/Kg	1	0.0442	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0625	<0.285	<0.0625	mg/Kg	1	0.0625	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0303	<0.285	<0.0303	mg/Kg	1	0.0303	0.25	0.0266
1-Methylnaphthalene	U		<0.0599	<0.285	<0.0599	mg/Kg	1	0.0599	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0549	<0.285	<0.0549	mg/Kg	1	0.0549	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0441	<0.285	<0.0441	mg/Kg	1	0.0441	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.111	<0.285	<0.111	mg/Kg	1	0.111	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0506	<0.285	<0.0506	mg/Kg	1	0.0506	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0642	<0.285	<0.0642	mg/Kg	1	0.0642	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0536	<0.285	<0.0536	mg/Kg	1	0.0536	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0671	<0.285	<0.0671	mg/Kg	1	0.0671	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0467	<0.285	<0.0467	mg/Kg	1	0.0467	0.25	0.041
Dimethylphthalate	U	1	<0.0706	<0.285	<0.0706	mg/Kg	1	0.0706	0.25	0.062
Acenaphthylene	U	1	<0.0632	<0.285	<0.0632	mg/Kg	1	0.0632	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0633	<0.285	<0.0633	mg/Kg	1	0.0633	0.25	0.0556
3-Nitroaniline	J,Qc,Qs	1	**0.116**	<0.285	<0.0530	mg/Kg	1	0.0530	0.25	0.0465
Acenaphthene	Qs,U	1	<0.0636	<0.285	<0.0636	mg/Kg	1	0.0636	0.25	0.0558

continued ...

sample 275028 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.0951	<0.285	<0.0951	mg/Kg	1	0.0951	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0504	<0.285	<0.0504	mg/Kg	1	0.0504	0.25	0.0443
Pentachlorobenzene	U	1	<0.0547	<0.285	<0.0547	mg/Kg	1	0.0547	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0252	<0.285	<0.0252	mg/Kg	1	0.0252	0.25	0.0221
1-Naphthylamine	U	1	<0.0391	<0.285	<0.0391	mg/Kg	1	0.0391	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0719	<0.285	<0.0719	mg/Kg	1	0.0719	0.25	0.0631
2-Naphthylamine	U	1	<0.0574	<0.285	<0.0574	mg/Kg	1	0.0574	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0240	<0.285	<0.0240	mg/Kg	1	0.0240	0.25	0.0211
Fluorene	Qs,U	1	<0.0710	<0.285	<0.0710	mg/Kg	1	0.0710	0.25	0.0623
Diethylphthalate	U	1	<0.0618	<0.285	<0.0618	mg/Kg	1	0.0618	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0535	<0.285	<0.0535	mg/Kg	1	0.0535	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.118	<0.285	<0.118	mg/Kg	1	0.118	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.0996	<0.285	<0.0996	mg/Kg	1	0.0996	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0642	<0.285	<0.0642	mg/Kg	1	0.0642	0.25	0.0564
Diphenylhydrazine	U		<0.0733	<0.285	<0.0733	mg/Kg	1	0.0733	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0583	<0.285	<0.0583	mg/Kg	1	0.0583	0.25	0.0512
Phenacetin	U	1	<0.0594	<0.285	<0.0594	mg/Kg	1	0.0594	0.25	0.0522
Hexachlorobenzene	U	1	<0.0508	<0.285	<0.0508	mg/Kg	1	0.0508	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0401	<0.285	<0.0401	mg/Kg	1	0.0401	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0660	<0.285	<0.0660	mg/Kg	1	0.0660	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0394	<0.285	<0.0394	mg/Kg	1	0.0394	0.25	0.0346
Pronamide	Qc,U	1	<0.0660	<0.285	<0.0660	mg/Kg	1	0.0660	0.25	0.058
Phenanthrene	J,Qs	1	**0.0618**	<0.285	<0.0610	mg/Kg	1	0.0610	0.25	0.0536
Anthracene	Qs,U	1	<0.0411	<0.285	<0.0411	mg/Kg	1	0.0411	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0602	<0.285	<0.0602	mg/Kg	1	0.0602	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.0388	<0.285	<0.0388	mg/Kg	1	0.0388	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0781	<0.285	<0.0781	mg/Kg	1	0.0781	0.25	0.0686
Pyrene	Qs,U	1	<0.0444	<0.285	<0.0444	mg/Kg	1	0.0444	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0598	<0.285	<0.0598	mg/Kg	1	0.0598	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0782	<0.285	<0.0782	mg/Kg	1	0.0782	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.0424	<0.285	<0.0424	mg/Kg	1	0.0424	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0558	<0.285	<0.0558	mg/Kg	1	0.0558	0.25	0.049
Chrysene	Qs,U	1	<0.0567	<0.285	<0.0567	mg/Kg	1	0.0567	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0803	<0.285	<0.0803	mg/Kg	1	0.0803	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0774	<0.285	<0.0774	mg/Kg	1	0.0774	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.0435	<0.285	<0.0435	mg/Kg	1	0.0435	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0335	<0.285	<0.0335	mg/Kg	1	0.0335	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.0534	<0.285	<0.0534	mg/Kg	1	0.0534	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.0507	<0.285	<0.0507	mg/Kg	1	0.0507	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0367	<0.285	<0.0367	mg/Kg	1	0.0367	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0736	<0.285	<0.0736	mg/Kg	1	0.0736	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.0490	<0.285	<0.0490	mg/Kg	1	0.0490	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0538	<0.285	<0.0538	mg/Kg	1	0.0538	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.0479	<0.285	<0.0479	mg/Kg	1	0.0479	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.727	mg/Kg	1	2.67	27	10 - 88
Phenol-d5			0.888	mg/Kg	1	2.67	33	10 - 100
Nitrobenzene-d5			1.02	mg/Kg	1	2.67	38	10 - 89.7
2-Fluorobiphenyl			0.951	mg/Kg	1	2.67	36	13 - 93
2,4,6-Tribromophenol			1.62	mg/Kg	1	2.67	61	10 - 99.4
Terphenyl-d14			1.25	mg/Kg	1	2.67	47	38.9 - 94.4

Sample: 275028 - B-6 (0-5)

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84257	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0420	<0.569	<0.0420	mg/Kg	1	0.0420	0.5	0.0369
Total Arsenic	U	1	<0.312	<2.28	<0.312	mg/Kg	1	0.312	2	0.274
Total Barium		1	**66.0**	**66.0**	<0.260	mg/Kg	1	0.260	1	0.228
Total Cadmium	U	1	<0.0636	<0.569	<0.0636	mg/Kg	1	0.0636	0.5	0.0558
Total Chromium		1	**6.79**	**6.79**	<0.153	mg/Kg	1	0.153	0.5	0.134
Total Mercury	J	1	**0.00464**	<0.0285	<0.00226	mg/Kg	1	0.00226	0.025	0.00198
Total Lead		1	**4.57**	**4.57**	<0.223	mg/Kg	1	0.223	1	0.196
Total Selenium	U	1	<0.241	<2.28	<0.241	mg/Kg	1	0.241	2	0.212

Sample: 275028 - B-6 (0-5)

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84159	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71449	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	J,Qs	1	**17.6**	<56.9	<14.7	mg/Kg	1	14.7	50	12.9
>C12-C28		1	**248**	**248**	<12.8	mg/Kg	1	12.8	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			101	mg/Kg	1	100	101	55.1 - 140
n-Tricosane			94.5	mg/Kg	1	100	94	65.2 - 142
n-Triacontane			108	mg/Kg	1	100	108	68.8 - 145

Sample: 275028 - B-6 (0-5)

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.20	<22.8	<7.20	µg/Kg	1	7.20	20	6.32
Dichlorodifluoromethane	Qr,U	1	<16.8	<22.8	<16.8	µg/Kg	1	16.8	20	14.8
Chloromethane (methyl chloride)	U	1	<5.36	<22.8	<5.36	µg/Kg	1	5.36	20	4.71
Vinyl Chloride	U	1	<15.3	<22.8	<15.3	µg/Kg	1	15.3	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.23	<114	<7.23	µg/Kg	1	7.23	100	6.35
Chloroethane	Qr,U	1	<10.8	<22.8	<10.8	µg/Kg	1	10.8	20	9.44
Trichlorofluoromethane	Qr,U	1	<16.5	<22.8	<16.5	µg/Kg	1	16.5	20	14.5
Acetone	Qc,U	1	<20.3	<228	<20.3	µg/Kg	1	20.3	200	17.8
Iodomethane (methyl iodide)	U	1	<6.16	<114	<6.16	µg/Kg	1	6.16	100	5.41
Carbon Disulfide	U	1	<6.09	<22.8	<6.09	µg/Kg	1	6.09	20	5.35
Acrylonitrile	Qc,U	1	<4.72	<22.8	<4.72	µg/Kg	1	4.72	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.2	<114	<11.2	µg/Kg	1	11.2	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.34	<114	<9.34	µg/Kg	1	9.34	100	8.2
2-Hexanone	Qc,U	1	<9.98	<114	<9.98	µg/Kg	1	9.98	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.62	<228	<5.62	µg/Kg	1	5.62	200	4.93
1,1-Dichloroethene	U	1	<6.59	<22.8	<6.59	µg/Kg	1	6.59	20	5.79
Methylene chloride	JB	1	**11.6**	<114	15.7	µg/Kg	1	7.89	100	6.93
MTBE	U	1	<4.67	<22.8	<4.67	µg/Kg	1	4.67	20	4.1
trans-1,2-Dichloroethene	U	1	<7.16	<22.8	<7.16	µg/Kg	1	7.16	20	6.29
1,1-Dichloroethane	U	1	<6.34	<22.8	<6.34	µg/Kg	1	6.34	20	5.57
cis-1,2-Dichloroethene	U	1	<5.99	<22.8	<5.99	µg/Kg	1	5.99	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.41	<22.8	<6.41	µg/Kg	1	6.41	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.86	<22.8	<5.86	µg/Kg	1	5.86	20	5.15
Chloroform	U	1	<4.74	<22.8	<4.74	µg/Kg	1	4.74	20	4.16
1,1,1-Trichloroethane	U	1	<7.11	<22.8	<7.11	µg/Kg	1	7.11	20	6.24
1,1-Dichloropropene	U	1	<6.73	<22.8	<6.73	µg/Kg	1	6.73	20	5.91
Benzene	U	1	<6.91	<22.8	<6.91	µg/Kg	1	6.91	20	6.07
Carbon Tetrachloride	U	1	<5.82	<22.8	<5.82	µg/Kg	1	5.82	20	5.11
1,2-Dichloropropane	U	1	<6.51	<22.8	<6.51	µg/Kg	1	6.51	20	5.72
Trichloroethene (TCE)	U	1	<7.14	<22.8	<7.14	µg/Kg	1	7.14	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.86	<22.8	<4.86	µg/Kg	1	4.86	20	4.27
Bromodichloromethane	U	1	<8.71	<22.8	<8.71	µg/Kg	1	8.71	20	7.65

continued ...

sample 275028 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2-Chloroethyl vinyl ether	Qc,U	1	<6.00	<22.8	<6.00	µg/Kg	1	6.00	20	5.27
cis-1,3-Dichloropropene	U	1	<6.31	<22.8	<6.31	µg/Kg	1	6.31	20	5.54
trans-1,3-Dichloropropene	U	1	<4.74	<22.8	<4.74	µg/Kg	1	4.74	20	4.16
Toluene	U	1	<8.45	<22.8	<8.45	µg/Kg	1	8.45	20	7.42
1,1,2-Trichloroethane	U	1	<7.21	<22.8	<7.21	µg/Kg	1	7.21	20	6.33
1,3-Dichloropropane	U	1	<7.00	<22.8	<7.00	µg/Kg	1	7.00	20	6.15
Dibromochloromethane	U	1	<7.55	<22.8	<7.55	µg/Kg	1	7.55	20	6.63
1,2-Dibromoethane (EDB)	U	1	<6.96	<22.8	<6.96	µg/Kg	1	6.96	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.5	<22.8	<14.5	µg/Kg	1	14.5	20	12.7
Chlorobenzene	U	1	<8.92	<22.8	<8.92	µg/Kg	1	8.92	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.36	<22.8	<5.36	µg/Kg	1	5.36	20	4.71
Ethylbenzene	U	1	<8.77	<22.8	<8.77	µg/Kg	1	8.77	20	7.7
m,p-Xylene	U	1	<16.7	<22.8	<16.7	µg/Kg	1	16.7	20	14.7
Bromoform	U	1	<6.44	<22.8	<6.44	µg/Kg	1	6.44	20	5.65
Styrene	U	1	<8.99	<22.8	<8.99	µg/Kg	1	8.99	20	7.89
o-Xylene	U	1	<9.02	<22.8	<9.02	µg/Kg	1	9.02	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.86	<22.8	<5.86	µg/Kg	1	5.86	20	5.15
2-Chlorotoluene	U	1	<9.32	<22.8	<9.32	µg/Kg	1	9.32	20	8.18
1,2,3-Trichloropropane	U	1	<8.78	<22.8	<8.78	µg/Kg	1	8.78	20	7.71
Isopropylbenzene	Qc,U	1	<10.4	<22.8	<10.4	µg/Kg	1	10.4	20	9.13
Bromobenzene	U	1	<7.65	<22.8	<7.65	µg/Kg	1	7.65	20	6.72
n-Propylbenzene	U	1	<8.62	<22.8	<8.62	µg/Kg	1	8.62	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.83	<22.8	<9.83	µg/Kg	1	9.83	20	8.63
tert-Butylbenzene	Qc,U	1	<9.17	<22.8	<9.17	µg/Kg	1	9.17	20	8.05
1,2,4-Trimethylbenzene	U	1	<8.92	<22.8	<8.92	µg/Kg	1	8.92	20	7.83
1,4-Dichlorobenzene (para)	U	1	<9.94	<22.8	<9.94	µg/Kg	1	9.94	20	8.73
sec-Butylbenzene	U	1	<8.28	<22.8	<8.28	µg/Kg	1	8.28	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.13	<22.8	<8.13	µg/Kg	1	8.13	20	7.14
p-Isopropyltoluene	J		**13.2**	<22.8	<7.14	µg/Kg	1	7.14	20	6.27
4-Chlorotoluene	U	1	<10.6	<22.8	<10.6	µg/Kg	1	10.6	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.4	<22.8	<10.4	µg/Kg	1	10.4	20	9.1
n-Butylbenzene	U	1	<8.30	<22.8	8.55	µg/Kg	1	8.30	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.67	<114	<8.67	µg/Kg	1	8.67	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.34	<114	24.8	µg/Kg	1	8.34	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.58	<114	15.5	µg/Kg	1	7.58	100	6.66
Naphthalene	JB,Qc	1	**33.1**	<114	59.7	µg/Kg	1	8.72	100	7.66
Hexachlorobutadiene	JB	1	**17.1**	<114	44.1	µg/Kg	1	14.0	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			900	µg/Kg	1	1000	90	70 - 130
Toluene-d8			979	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			901	µg/Kg	1	1000	90	70 - 130

Sample: 275029 - B-7 (10-15)

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84117	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71424	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	13.7	%	1	

Sample: 275029 - B-7 (10-15)

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84230	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00133	<0.00194	<0.00133	mg/Kg	1	0.00133	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00139	<0.00194	<0.00139	mg/Kg	1	0.00139	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00148	<0.00194	<0.00148	mg/Kg	1	0.00148	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00167	<0.00194	<0.00167	mg/Kg	1	0.00167	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00174	<0.00194	<0.00174	mg/Kg	1	0.00174	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00133	<0.00194	<0.00133	mg/Kg	1	0.00133	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00153	<0.00194	<0.00153	mg/Kg	1	0.00153	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00140	<0.00194	<0.00140	mg/Kg	1	0.00140	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00162	<0.00194	<0.00162	mg/Kg	1	0.00162	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0134	mg/Kg	1	0.0167	80	58.7 - 121

Sample: 275029 - B-7 (10-15)

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0417	<0.290	<0.0417	mg/Kg	1	0.0417	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0768	<0.290	<0.0768	mg/Kg	1	0.0768	0.25	0.0663
2-Picoline	U	1	<0.0654	<0.290	<0.0654	mg/Kg	1	0.0654	0.25	0.0564

continued . . .

sample 275029 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0599	<0.290	<0.0599	mg/Kg	1	0.0599	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0654	<0.290	<0.0654	mg/Kg	1	0.0654	0.25	0.0564
Phenol	Qc,U	1	<0.0510	<0.290	<0.0510	mg/Kg	1	0.0510	0.25	0.044
Aniline	U	1	<0.0604	<0.290	<0.0604	mg/Kg	1	0.0604	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0557	<0.290	<0.0557	mg/Kg	1	0.0557	0.25	0.0481
2-Chlorophenol	U	1	<0.0519	<0.290	<0.0519	mg/Kg	1	0.0519	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0397	<0.290	<0.0397	mg/Kg	1	0.0397	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0332	<0.290	<0.0332	mg/Kg	1	0.0332	0.25	0.0287
Benzyl alcohol	U	1	<0.0294	<0.290	<0.0294	mg/Kg	1	0.0294	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0676	<0.290	<0.0676	mg/Kg	1	0.0676	0.25	0.0583
2-Methylphenol	U	1	<0.0417	<0.290	<0.0417	mg/Kg	1	0.0417	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0624	<0.290	<0.0624	mg/Kg	1	0.0624	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0679	<0.290	<0.0679	mg/Kg	1	0.0679	0.25	0.0586
Acetophenone	U	1	<0.0393	<0.290	<0.0393	mg/Kg	1	0.0393	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0613	<0.290	<0.0613	mg/Kg	1	0.0613	0.25	0.0529
Hexachloroethane	U	1	<0.0610	<0.290	<0.0610	mg/Kg	1	0.0610	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0480	<0.290	<0.0480	mg/Kg	1	0.0480	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0557	<0.290	<0.0557	mg/Kg	1	0.0557	0.25	0.0481
Isophorone	U	1	<0.0626	<0.290	<0.0626	mg/Kg	1	0.0626	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0546	<0.290	<0.0546	mg/Kg	1	0.0546	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0461	<0.290	<0.0461	mg/Kg	1	0.0461	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0596	<0.290	<0.0596	mg/Kg	1	0.0596	0.25	0.0514
Benzoic acid	Qc,U	1	<0.0461	<0.290	<0.0461	mg/Kg	1	0.0461	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0359	<0.290	<0.0359	mg/Kg	1	0.0359	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0392	<0.290	<0.0392	mg/Kg	1	0.0392	0.25	0.0338
Naphthalene	Qs,U	1	<0.0629	<0.290	<0.0629	mg/Kg	1	0.0629	0.25	0.0543
4-Chloroaniline	U	1	<0.0475	<0.290	<0.0475	mg/Kg	1	0.0475	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0407	<0.290	<0.0407	mg/Kg	1	0.0407	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0450	<0.290	<0.0450	mg/Kg	1	0.0450	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0636	<0.290	<0.0636	mg/Kg	1	0.0636	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0308	<0.290	<0.0308	mg/Kg	1	0.0308	0.25	0.0266
1-Methylnaphthalene	U		<0.0610	<0.290	<0.0610	mg/Kg	1	0.0610	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0558	<0.290	<0.0558	mg/Kg	1	0.0558	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0448	<0.290	<0.0448	mg/Kg	1	0.0448	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.113	<0.290	<0.113	mg/Kg	1	0.113	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0514	<0.290	<0.0514	mg/Kg	1	0.0514	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0654	<0.290	<0.0654	mg/Kg	1	0.0654	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0546	<0.290	<0.0546	mg/Kg	1	0.0546	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0682	<0.290	<0.0682	mg/Kg	1	0.0682	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0475	<0.290	<0.0475	mg/Kg	1	0.0475	0.25	0.041
Dimethylphthalate	U	1	<0.0718	<0.290	<0.0718	mg/Kg	1	0.0718	0.25	0.062
Acenaphthylene	U	1	<0.0643	<0.290	<0.0643	mg/Kg	1	0.0643	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0644	<0.290	<0.0644	mg/Kg	1	0.0644	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.0539	<0.290	<0.0539	mg/Kg	1	0.0539	0.25	0.0465
Acenaphthene	Qs,U	1	<0.0646	<0.290	<0.0646	mg/Kg	1	0.0646	0.25	0.0558

continued . . .

sample 275029 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.0968	<0.290	<0.0968	mg/Kg	1	0.0968	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0513	<0.290	<0.0513	mg/Kg	1	0.0513	0.25	0.0443
Pentachlorobenzene	U	1	<0.0556	<0.290	<0.0556	mg/Kg	1	0.0556	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0256	<0.290	<0.0256	mg/Kg	1	0.0256	0.25	0.0221
1-Naphthylamine	U	1	<0.0397	<0.290	<0.0397	mg/Kg	1	0.0397	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0731	<0.290	<0.0731	mg/Kg	1	0.0731	0.25	0.0631
2-Naphthylamine	U	1	<0.0584	<0.290	<0.0584	mg/Kg	1	0.0584	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0244	<0.290	<0.0244	mg/Kg	1	0.0244	0.25	0.0211
Fluorene	Qs,U	1	<0.0722	<0.290	<0.0722	mg/Kg	1	0.0722	0.25	0.0623
Diethylphthalate	U	1	<0.0629	<0.290	<0.0629	mg/Kg	1	0.0629	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0545	<0.290	<0.0545	mg/Kg	1	0.0545	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.120	<0.290	<0.120	mg/Kg	1	0.120	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.101	<0.290	<0.101	mg/Kg	1	0.101	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0654	<0.290	<0.0654	mg/Kg	1	0.0654	0.25	0.0564
Diphenylhydrazine	U		<0.0746	<0.290	<0.0746	mg/Kg	1	0.0746	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0593	<0.290	<0.0593	mg/Kg	1	0.0593	0.25	0.0512
Phenacetin	U	1	<0.0605	<0.290	<0.0605	mg/Kg	1	0.0605	0.25	0.0522
Hexachlorobenzene	U	1	<0.0517	<0.290	<0.0517	mg/Kg	1	0.0517	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0408	<0.290	<0.0408	mg/Kg	1	0.0408	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0672	<0.290	<0.0672	mg/Kg	1	0.0672	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0401	<0.290	<0.0401	mg/Kg	1	0.0401	0.25	0.0346
Pronamide	Qc,U	1	<0.0672	<0.290	<0.0672	mg/Kg	1	0.0672	0.25	0.058
Phenanthrene	Qs,U	1	<0.0621	<0.290	<0.0621	mg/Kg	1	0.0621	0.25	0.0536
Anthracene	Qs,U	1	<0.0418	<0.290	<0.0418	mg/Kg	1	0.0418	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0613	<0.290	<0.0613	mg/Kg	1	0.0613	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.0395	<0.290	<0.0395	mg/Kg	1	0.0395	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0795	<0.290	<0.0795	mg/Kg	1	0.0795	0.25	0.0686
Pyrene	Qs,U	1	<0.0452	<0.290	<0.0452	mg/Kg	1	0.0452	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0608	<0.290	<0.0608	mg/Kg	1	0.0608	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0796	<0.290	<0.0796	mg/Kg	1	0.0796	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.0431	<0.290	<0.0431	mg/Kg	1	0.0431	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0568	<0.290	<0.0568	mg/Kg	1	0.0568	0.25	0.049
Chrysene	Qs,U	1	<0.0577	<0.290	<0.0577	mg/Kg	1	0.0577	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0817	<0.290	<0.0817	mg/Kg	1	0.0817	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0788	<0.290	<0.0788	mg/Kg	1	0.0788	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.0443	<0.290	<0.0443	mg/Kg	1	0.0443	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0341	<0.290	<0.0341	mg/Kg	1	0.0341	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.0543	<0.290	<0.0543	mg/Kg	1	0.0543	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.0516	<0.290	<0.0516	mg/Kg	1	0.0516	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0373	<0.290	<0.0373	mg/Kg	1	0.0373	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0748	<0.290	<0.0748	mg/Kg	1	0.0748	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.0498	<0.290	<0.0498	mg/Kg	1	0.0498	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0547	<0.290	<0.0547	mg/Kg	1	0.0547	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.0488	<0.290	<0.0488	mg/Kg	1	0.0488	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			1.45	mg/Kg	1	2.67	54	10 - 88
Phenol-d5			1.41	mg/Kg	1	2.67	53	10 - 100
Nitrobenzene-d5			1.70	mg/Kg	1	2.67	64	10 - 89.7
2-Fluorobiphenyl			1.39	mg/Kg	1	2.67	52	13 - 93
2,4,6-Tribromophenol	Qsr		3.10	mg/Kg	1	2.67	116	10 - 99.4
Terphenyl-d14			2.30	mg/Kg	1	2.67	86	38.9 - 94.4

Sample: 275029 - B-7 (10-15)

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84257	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0428	<0.579	<0.0428	mg/Kg	1	0.0428	0.5	0.0369
Total Arsenic		1	**4.43**	**4.43**	<0.317	mg/Kg	1	0.317	2	0.274
Total Barium		1	**204**	**204**	<0.264	mg/Kg	1	0.264	1	0.228
Total Cadmium	U	1	<0.0646	<0.579	<0.0646	mg/Kg	1	0.0646	0.5	0.0558
Total Chromium		1	**25.3**	**25.3**	<0.155	mg/Kg	1	0.155	0.5	0.134
Total Mercury	J	1	**0.0129**	<0.0290	<0.00229	mg/Kg	1	0.00229	0.025	0.00198
Total Lead		1	**14.1**	**14.1**	<0.227	mg/Kg	1	0.227	1	0.196
Total Selenium	U	1	<0.246	<2.32	<0.246	mg/Kg	1	0.246	2	0.212

Sample: 275029 - B-7 (10-15)

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84159	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71449	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.9	<57.9	<14.9	mg/Kg	1	14.9	50	12.9
>C12-C28	U	1	<13.0	<57.9	<13.0	mg/Kg	1	13.0	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			98.7	mg/Kg	1	100	99	55.1 - 140
n-Tricosane			94.1	mg/Kg	1	100	94	65.2 - 142
n-Triacontane			106	mg/Kg	1	100	106	68.8 - 145

Sample: 275029 - B-7 (10-15)

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.32	<23.2	<7.32	µg/Kg	1	7.32	20	6.32
Dichlorodifluoromethane	Qr,U	1	<17.1	<23.2	<17.1	µg/Kg	1	17.1	20	14.8
Chloromethane (methyl chloride)	U	1	<5.46	<23.2	<5.46	µg/Kg	1	5.46	20	4.71
Vinyl Chloride	U	1	<15.5	<23.2	<15.5	µg/Kg	1	15.5	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.36	<116	<7.36	µg/Kg	1	7.36	100	6.35
Chloroethane	Qr,U	1	<10.9	<23.2	<10.9	µg/Kg	1	10.9	20	9.44
Trichlorofluoromethane	Qr,U	1	<16.8	<23.2	<16.8	µg/Kg	1	16.8	20	14.5
Acetone	Qc,U	1	<20.6	<232	<20.6	µg/Kg	1	20.6	200	17.8
Iodomethane (methyl iodide)	U	1	<6.27	<116	<6.27	µg/Kg	1	6.27	100	5.41
Carbon Disulfide	U	1	<6.20	<23.2	<6.20	µg/Kg	1	6.20	20	5.35
Acrylonitrile	Qc,U	1	<4.80	<23.2	<4.80	µg/Kg	1	4.80	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.4	<116	<11.4	µg/Kg	1	11.4	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.50	<116	<9.50	µg/Kg	1	9.50	100	8.2
2-Hexanone	Qc,U	1	<10.2	<116	<10.2	µg/Kg	1	10.2	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.71	<232	<5.71	µg/Kg	1	5.71	200	4.93
1,1-Dichloroethene	U	1	<6.71	<23.2	<6.71	µg/Kg	1	6.71	20	5.79
Methylene chloride	JB	1	**17.4**	<116	16.0	µg/Kg	1	8.03	100	6.93
MTBE	U	1	<4.75	<23.2	<4.75	µg/Kg	1	4.75	20	4.1
trans-1,2-Dichloroethene	U	1	<7.29	<23.2	<7.29	µg/Kg	1	7.29	20	6.29
1,1-Dichloroethane	U	1	<6.45	<23.2	<6.45	µg/Kg	1	6.45	20	5.57
cis-1,2-Dichloroethene	U	1	<6.10	<23.2	<6.10	µg/Kg	1	6.10	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.52	<23.2	<6.52	µg/Kg	1	6.52	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.97	<23.2	<5.97	µg/Kg	1	5.97	20	5.15
Chloroform	U	1	<4.82	<23.2	<4.82	µg/Kg	1	4.82	20	4.16
1,1,1-Trichloroethane	U	1	<7.23	<23.2	<7.23	µg/Kg	1	7.23	20	6.24
1,1-Dichloropropene	U	1	<6.85	<23.2	<6.85	µg/Kg	1	6.85	20	5.91
Benzene	U	1	<7.03	<23.2	<7.03	µg/Kg	1	7.03	20	6.07
Carbon Tetrachloride	U	1	<5.92	<23.2	<5.92	µg/Kg	1	5.92	20	5.11
1,2-Dichloropropane	U	1	<6.63	<23.2	<6.63	µg/Kg	1	6.63	20	5.72
Trichloroethene (TCE)	U	1	<7.26	<23.2	<7.26	µg/Kg	1	7.26	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.95	<23.2	<4.95	µg/Kg	1	4.95	20	4.27
Bromodichloromethane	U	1	<8.86	<23.2	<8.86	µg/Kg	1	8.86	20	7.65

continued ...

sample 275029 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2-Chloroethyl vinyl ether	Qc,U	1	<6.11	<23.2	<6.11	µg/Kg	1	6.11	20	5.27
cis-1,3-Dichloropropene	U	1	<6.42	<23.2	<6.42	µg/Kg	1	6.42	20	5.54
trans-1,3-Dichloropropene	U	1	<4.82	<23.2	<4.82	µg/Kg	1	4.82	20	4.16
Toluene	U	1	<8.60	<23.2	<8.60	µg/Kg	1	8.60	20	7.42
1,1,2-Trichloroethane	U	1	<7.33	<23.2	<7.33	µg/Kg	1	7.33	20	6.33
1,3-Dichloropropane	U	1	<7.13	<23.2	<7.13	µg/Kg	1	7.13	20	6.15
Dibromochloromethane	U	1	<7.68	<23.2	<7.68	µg/Kg	1	7.68	20	6.63
1,2-Dibromoethane (EDB)	U	1	<7.08	<23.2	<7.08	µg/Kg	1	7.08	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.7	<23.2	<14.7	µg/Kg	1	14.7	20	12.7
Chlorobenzene	U	1	<9.07	<23.2	<9.07	µg/Kg	1	9.07	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.46	<23.2	<5.46	µg/Kg	1	5.46	20	4.71
Ethylbenzene	U	1	<8.92	<23.2	<8.92	µg/Kg	1	8.92	20	7.7
m,p-Xylene	U	1	<17.0	<23.2	<17.0	µg/Kg	1	17.0	20	14.7
Bromoform	U	1	<6.55	<23.2	<6.55	µg/Kg	1	6.55	20	5.65
Styrene	U	1	<9.14	<23.2	<9.14	µg/Kg	1	9.14	20	7.89
o-Xylene	U	1	<9.18	<23.2	<9.18	µg/Kg	1	9.18	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.97	<23.2	<5.97	µg/Kg	1	5.97	20	5.15
2-Chlorotoluene	U	1	<9.48	<23.2	<9.48	µg/Kg	1	9.48	20	8.18
1,2,3-Trichloropropane	U	1	<8.93	<23.2	<8.93	µg/Kg	1	8.93	20	7.71
Isopropylbenzene	Qc,U	1	<10.6	<23.2	<10.6	µg/Kg	1	10.6	20	9.13
Bromobenzene	U	1	<7.79	<23.2	<7.79	µg/Kg	1	7.79	20	6.72
n-Propylbenzene	U	1	<8.77	<23.2	<8.77	µg/Kg	1	8.77	20	7.57
1,3,5-Trimethylbenzene	U	1	<10.0	<23.2	<10.0	µg/Kg	1	10.0	20	8.63
tert-Butylbenzene	Qc,U	1	<9.33	<23.2	<9.33	µg/Kg	1	9.33	20	8.05
1,2,4-Trimethylbenzene	U	1	<9.07	<23.2	<9.07	µg/Kg	1	9.07	20	7.83
1,4-Dichlorobenzene (para)	U	1	<10.1	<23.2	<10.1	µg/Kg	1	10.1	20	8.73
sec-Butylbenzene	U	1	<8.42	<23.2	<8.42	µg/Kg	1	8.42	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.27	<23.2	<8.27	µg/Kg	1	8.27	20	7.14
p-Isopropyltoluene	U		<7.26	<23.2	<7.26	µg/Kg	1	7.26	20	6.27
4-Chlorotoluene	U	1	<10.8	<23.2	<10.8	µg/Kg	1	10.8	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.5	<23.2	<10.5	µg/Kg	1	10.5	20	9.1
n-Butylbenzene	U	1	<8.45	<23.2	8.70	µg/Kg	1	8.45	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.82	<116	<8.82	µg/Kg	1	8.82	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.48	<116	25.3	µg/Kg	1	8.48	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.72	<116	15.8	µg/Kg	1	7.72	100	6.66
Naphthalene	JB,Qc	1	**11.8**	<116	60.7	µg/Kg	1	8.88	100	7.66
Hexachlorobutadiene	U	1	<14.2	<116	44.8	µg/Kg	1	14.2	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			878	µg/Kg	1	1000	88	70 - 130
Toluene-d8			971	µg/Kg	1	1000	97	70 - 130
4-Bromofluorobenzene (4-BFB)			884	µg/Kg	1	1000	88	70 - 130

Sample: 275030 - B-8 (5-10)

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84117	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71424	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	13.5	%	1	

Sample: 275030 - B-8 (5-10)

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84230	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00133	<0.00193	<0.00133	mg/Kg	1	0.00133	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00139	<0.00193	<0.00139	mg/Kg	1	0.00139	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00148	<0.00193	<0.00148	mg/Kg	1	0.00148	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00166	<0.00193	<0.00166	mg/Kg	1	0.00166	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00173	<0.00193	<0.00173	mg/Kg	1	0.00173	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00133	<0.00193	<0.00133	mg/Kg	1	0.00133	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00153	<0.00193	<0.00153	mg/Kg	1	0.00153	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00140	<0.00193	<0.00140	mg/Kg	1	0.00140	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00162	<0.00193	<0.00162	mg/Kg	1	0.00162	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0130	mg/Kg	1	0.0167	78	58.7 - 121

Sample: 275030 - B-8 (5-10)

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0416	<0.289	<0.0416	mg/Kg	1	0.0416	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0766	<0.289	<0.0766	mg/Kg	1	0.0766	0.25	0.0663
2-Picoline	U	1	<0.0652	<0.289	<0.0652	mg/Kg	1	0.0652	0.25	0.0564

continued . . .

sample 275030 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0598	<0.289	<0.0598	mg/Kg	1	0.0598	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0652	<0.289	<0.0652	mg/Kg	1	0.0652	0.25	0.0564
Phenol	Qc,U	1	<0.0509	<0.289	<0.0509	mg/Kg	1	0.0509	0.25	0.044
Aniline	U	1	<0.0602	<0.289	<0.0602	mg/Kg	1	0.0602	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0556	<0.289	<0.0556	mg/Kg	1	0.0556	0.25	0.0481
2-Chlorophenol	U	1	<0.0518	<0.289	<0.0518	mg/Kg	1	0.0518	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0396	<0.289	<0.0396	mg/Kg	1	0.0396	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0332	<0.289	<0.0332	mg/Kg	1	0.0332	0.25	0.0287
Benzyl alcohol	U	1	<0.0294	<0.289	<0.0294	mg/Kg	1	0.0294	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0674	<0.289	<0.0674	mg/Kg	1	0.0674	0.25	0.0583
2-Methylphenol	U	1	<0.0416	<0.289	<0.0416	mg/Kg	1	0.0416	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0623	<0.289	<0.0623	mg/Kg	1	0.0623	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0677	<0.289	<0.0677	mg/Kg	1	0.0677	0.25	0.0586
Acetophenone	U	1	<0.0392	<0.289	<0.0392	mg/Kg	1	0.0392	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0612	<0.289	<0.0612	mg/Kg	1	0.0612	0.25	0.0529
Hexachloroethane	U	1	<0.0608	<0.289	<0.0608	mg/Kg	1	0.0608	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0479	<0.289	<0.0479	mg/Kg	1	0.0479	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0556	<0.289	<0.0556	mg/Kg	1	0.0556	0.25	0.0481
Isophorone	U	1	<0.0624	<0.289	<0.0624	mg/Kg	1	0.0624	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0544	<0.289	<0.0544	mg/Kg	1	0.0544	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0460	<0.289	<0.0460	mg/Kg	1	0.0460	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0594	<0.289	<0.0594	mg/Kg	1	0.0594	0.25	0.0514
Benzoic acid	Qc,U	1	<0.0460	<0.289	<0.0460	mg/Kg	1	0.0460	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0358	<0.289	<0.0358	mg/Kg	1	0.0358	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0391	<0.289	<0.0391	mg/Kg	1	0.0391	0.25	0.0338
Naphthalene	Qs,U	1	<0.0628	<0.289	<0.0628	mg/Kg	1	0.0628	0.25	0.0543
4-Chloroaniline	U	1	<0.0474	<0.289	<0.0474	mg/Kg	1	0.0474	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0406	<0.289	<0.0406	mg/Kg	1	0.0406	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0448	<0.289	<0.0448	mg/Kg	1	0.0448	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0635	<0.289	<0.0635	mg/Kg	1	0.0635	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0308	<0.289	<0.0308	mg/Kg	1	0.0308	0.25	0.0266
1-Methylnaphthalene	U		<0.0608	<0.289	<0.0608	mg/Kg	1	0.0608	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0557	<0.289	<0.0557	mg/Kg	1	0.0557	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0447	<0.289	<0.0447	mg/Kg	1	0.0447	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.113	<0.289	<0.113	mg/Kg	1	0.113	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0513	<0.289	<0.0513	mg/Kg	1	0.0513	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0652	<0.289	<0.0652	mg/Kg	1	0.0652	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0544	<0.289	<0.0544	mg/Kg	1	0.0544	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0681	<0.289	<0.0681	mg/Kg	1	0.0681	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0474	<0.289	<0.0474	mg/Kg	1	0.0474	0.25	0.041
Dimethylphthalate	U	1	<0.0717	<0.289	<0.0717	mg/Kg	1	0.0717	0.25	0.062
Acenaphthylene	U	1	<0.0642	<0.289	<0.0642	mg/Kg	1	0.0642	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0643	<0.289	<0.0643	mg/Kg	1	0.0643	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.0538	<0.289	<0.0538	mg/Kg	1	0.0538	0.25	0.0465
Acenaphthene	Qs,U	1	<0.0645	<0.289	<0.0645	mg/Kg	1	0.0645	0.25	0.0558

continued . . .

sample 275030 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.0965	<0.289	<0.0965	mg/Kg	1	0.0965	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0512	<0.289	<0.0512	mg/Kg	1	0.0512	0.25	0.0443
Pentachlorobenzene	U	1	<0.0555	<0.289	<0.0555	mg/Kg	1	0.0555	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0255	<0.289	<0.0255	mg/Kg	1	0.0255	0.25	0.0221
1-Naphthylamine	U	1	<0.0396	<0.289	<0.0396	mg/Kg	1	0.0396	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0729	<0.289	<0.0729	mg/Kg	1	0.0729	0.25	0.0631
2-Naphthylamine	U	1	<0.0583	<0.289	<0.0583	mg/Kg	1	0.0583	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0244	<0.289	<0.0244	mg/Kg	1	0.0244	0.25	0.0211
Fluorene	Qs,U	1	<0.0720	<0.289	<0.0720	mg/Kg	1	0.0720	0.25	0.0623
Diethylphthalate	U	1	<0.0628	<0.289	<0.0628	mg/Kg	1	0.0628	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0543	<0.289	<0.0543	mg/Kg	1	0.0543	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.120	<0.289	<0.120	mg/Kg	1	0.120	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.101	<0.289	<0.101	mg/Kg	1	0.101	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0652	<0.289	<0.0652	mg/Kg	1	0.0652	0.25	0.0564
Diphenylhydrazine	U		<0.0744	<0.289	<0.0744	mg/Kg	1	0.0744	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0592	<0.289	<0.0592	mg/Kg	1	0.0592	0.25	0.0512
Phenacetin	U	1	<0.0603	<0.289	<0.0603	mg/Kg	1	0.0603	0.25	0.0522
Hexachlorobenzene	U	1	<0.0516	<0.289	<0.0516	mg/Kg	1	0.0516	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0407	<0.289	<0.0407	mg/Kg	1	0.0407	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0670	<0.289	<0.0670	mg/Kg	1	0.0670	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0400	<0.289	<0.0400	mg/Kg	1	0.0400	0.25	0.0346
Pronamide	Qc,U	1	<0.0670	<0.289	<0.0670	mg/Kg	1	0.0670	0.25	0.058
Phenanthrene	Qs,U	1	<0.0620	<0.289	<0.0620	mg/Kg	1	0.0620	0.25	0.0536
Anthracene	Qs,U	1	<0.0417	<0.289	<0.0417	mg/Kg	1	0.0417	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0612	<0.289	<0.0612	mg/Kg	1	0.0612	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.0394	<0.289	<0.0394	mg/Kg	1	0.0394	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0793	<0.289	<0.0793	mg/Kg	1	0.0793	0.25	0.0686
Pyrene	Qs,U	1	<0.0451	<0.289	<0.0451	mg/Kg	1	0.0451	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0607	<0.289	<0.0607	mg/Kg	1	0.0607	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0794	<0.289	<0.0794	mg/Kg	1	0.0794	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.0430	<0.289	<0.0430	mg/Kg	1	0.0430	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0566	<0.289	<0.0566	mg/Kg	1	0.0566	0.25	0.049
Chrysene	Qs,U	1	<0.0576	<0.289	<0.0576	mg/Kg	1	0.0576	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0815	<0.289	<0.0815	mg/Kg	1	0.0815	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0786	<0.289	<0.0786	mg/Kg	1	0.0786	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.0442	<0.289	<0.0442	mg/Kg	1	0.0442	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0340	<0.289	<0.0340	mg/Kg	1	0.0340	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.0542	<0.289	<0.0542	mg/Kg	1	0.0542	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.0514	<0.289	<0.0514	mg/Kg	1	0.0514	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0372	<0.289	<0.0372	mg/Kg	1	0.0372	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0747	<0.289	<0.0747	mg/Kg	1	0.0747	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.0497	<0.289	<0.0497	mg/Kg	1	0.0497	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0546	<0.289	<0.0546	mg/Kg	1	0.0546	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.0487	<0.289	<0.0487	mg/Kg	1	0.0487	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.541	mg/Kg	1	2.67	20	10 - 88
Phenol-d5			0.668	mg/Kg	1	2.67	25	10 - 100
Nitrobenzene-d5			0.864	mg/Kg	1	2.67	32	10 - 89.7
2-Fluorobiphenyl			0.749	mg/Kg	1	2.67	28	13 - 93
2,4,6-Tribromophenol			1.06	mg/Kg	1	2.67	40	10 - 99.4
Terphenyl-d14	Qsr		0.997	mg/Kg	1	2.67	37	38.9 - 94.4

Sample: 275030 - B-8 (5-10)

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84257	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0426	<0.578	<0.0426	mg/Kg	1	0.0426	0.5	0.0369
Total Arsenic		1	**5.03**	**5.03**	<0.317	mg/Kg	1	0.317	2	0.274
Total Barium		1	**209**	**209**	<0.264	mg/Kg	1	0.264	1	0.228
Total Cadmium	U	1	<0.0645	<0.578	<0.0645	mg/Kg	1	0.0645	0.5	0.0558
Total Chromium		1	**11.8**	**11.8**	<0.155	mg/Kg	1	0.155	0.5	0.134
Total Mercury	J	1	**0.00688**	<0.0289	<0.00229	mg/Kg	1	0.00229	0.025	0.00198
Total Lead		1	**12.6**	**12.6**	<0.226	mg/Kg	1	0.226	1	0.196
Total Selenium	U	1	<0.245	<2.31	<0.245	mg/Kg	1	0.245	2	0.212

Sample: 275030 - B-8 (5-10)

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84159	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71449	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.9	<57.8	<14.9	mg/Kg	1	14.9	50	12.9
>C12-C28	U	1	<12.9	<57.8	<12.9	mg/Kg	1	12.9	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			100	mg/Kg	1	100	100	55.1 - 140
n-Tricosane			91.8	mg/Kg	1	100	92	65.2 - 142
n-Triacontane			106	mg/Kg	1	100	106	68.8 - 145

Sample: 275030 - B-8 (5-10)

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.31	<23.1	<7.31	µg/Kg	1	7.31	20	6.32
Dichlorodifluoromethane	Qr,U	1	<17.1	<23.1	<17.1	µg/Kg	1	17.1	20	14.8
Chloromethane (methyl chloride)	U	1	<5.44	<23.1	<5.44	µg/Kg	1	5.44	20	4.71
Vinyl Chloride	U	1	<15.5	<23.1	<15.5	µg/Kg	1	15.5	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.34	<116	<7.34	µg/Kg	1	7.34	100	6.35
Chloroethane	Qr,U	1	<10.9	<23.1	<10.9	µg/Kg	1	10.9	20	9.44
Trichlorofluoromethane	Qr,U	1	<16.8	<23.1	<16.8	µg/Kg	1	16.8	20	14.5
Acetone	Qc,U	1	<20.6	<231	<20.6	µg/Kg	1	20.6	200	17.8
Iodomethane (methyl iodide)	U	1	<6.25	<116	<6.25	µg/Kg	1	6.25	100	5.41
Carbon Disulfide	U	1	<6.18	<23.1	<6.18	µg/Kg	1	6.18	20	5.35
Acrylonitrile	Qc,U	1	<4.79	<23.1	<4.79	µg/Kg	1	4.79	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.4	<116	<11.4	µg/Kg	1	11.4	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.48	<116	<9.48	µg/Kg	1	9.48	100	8.2
2-Hexanone	Qc,U	1	<10.1	<116	<10.1	µg/Kg	1	10.1	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.70	<231	<5.70	µg/Kg	1	5.70	200	4.93
1,1-Dichloroethene	U	1	<6.69	<23.1	<6.69	µg/Kg	1	6.69	20	5.79
Methylene chloride	JB	1	**21.8**	<116	16.0	µg/Kg	1	8.01	100	6.93
MTBE	U	1	<4.74	<23.1	<4.74	µg/Kg	1	4.74	20	4.1
trans-1,2-Dichloroethene	U	1	<7.27	<23.1	<7.27	µg/Kg	1	7.27	20	6.29
1,1-Dichloroethane	U	1	<6.44	<23.1	<6.44	µg/Kg	1	6.44	20	5.57
cis-1,2-Dichloroethene	U	1	<6.08	<23.1	<6.08	µg/Kg	1	6.08	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.51	<23.1	<6.51	µg/Kg	1	6.51	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.95	<23.1	<5.95	µg/Kg	1	5.95	20	5.15
Chloroform	U	1	<4.81	<23.1	<4.81	µg/Kg	1	4.81	20	4.16
1,1,1-Trichloroethane	U	1	<7.21	<23.1	<7.21	µg/Kg	1	7.21	20	6.24
1,1-Dichloropropene	U	1	<6.83	<23.1	<6.83	µg/Kg	1	6.83	20	5.91
Benzene	U	1	<7.02	<23.1	<7.02	µg/Kg	1	7.02	20	6.07
Carbon Tetrachloride	U	1	<5.91	<23.1	<5.91	µg/Kg	1	5.91	20	5.11
1,2-Dichloropropane	U	1	<6.61	<23.1	<6.61	µg/Kg	1	6.61	20	5.72
Trichloroethene (TCE)	U	1	<7.25	<23.1	<7.25	µg/Kg	1	7.25	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.94	<23.1	<4.94	µg/Kg	1	4.94	20	4.27
Bromodichloromethane	U	1	<8.84	<23.1	<8.84	µg/Kg	1	8.84	20	7.65

continued ...

sample 275030 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2-Chloroethyl vinyl ether	Qc,U	1	<6.09	<23.1	<6.09	µg/Kg	1	6.09	20	5.27
cis-1,3-Dichloropropene	U	1	<6.40	<23.1	<6.40	µg/Kg	1	6.40	20	5.54
trans-1,3-Dichloropropene	U	1	<4.81	<23.1	<4.81	µg/Kg	1	4.81	20	4.16
Toluene	U	1	<8.58	<23.1	<8.58	µg/Kg	1	8.58	20	7.42
1,1,2-Trichloroethane	U	1	<7.32	<23.1	<7.32	µg/Kg	1	7.32	20	6.33
1,3-Dichloropropane	U	1	<7.11	<23.1	<7.11	µg/Kg	1	7.11	20	6.15
Dibromochloromethane	U	1	<7.66	<23.1	<7.66	µg/Kg	1	7.66	20	6.63
1,2-Dibromoethane (EDB)	U	1	<7.06	<23.1	<7.06	µg/Kg	1	7.06	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.7	<23.1	<14.7	µg/Kg	1	14.7	20	12.7
Chlorobenzene	U	1	<9.05	<23.1	<9.05	µg/Kg	1	9.05	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.44	<23.1	<5.44	µg/Kg	1	5.44	20	4.71
Ethylbenzene	U	1	<8.90	<23.1	<8.90	µg/Kg	1	8.90	20	7.7
m,p-Xylene	U	1	<17.0	<23.1	<17.0	µg/Kg	1	17.0	20	14.7
Bromoform	U	1	<6.53	<23.1	<6.53	µg/Kg	1	6.53	20	5.65
Styrene	U	1	<9.12	<23.1	<9.12	µg/Kg	1	9.12	20	7.89
o-Xylene	U	1	<9.16	<23.1	<9.16	µg/Kg	1	9.16	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.95	<23.1	<5.95	µg/Kg	1	5.95	20	5.15
2-Chlorotoluene	U	1	<9.46	<23.1	<9.46	µg/Kg	1	9.46	20	8.18
1,2,3-Trichloropropane	U	1	<8.91	<23.1	<8.91	µg/Kg	1	8.91	20	7.71
Isopropylbenzene	Qc,U	1	<10.6	<23.1	<10.6	µg/Kg	1	10.6	20	9.13
Bromobenzene	U	1	<7.77	<23.1	<7.77	µg/Kg	1	7.77	20	6.72
n-Propylbenzene	U	1	<8.75	<23.1	<8.75	µg/Kg	1	8.75	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.98	<23.1	<9.98	µg/Kg	1	9.98	20	8.63
tert-Butylbenzene	Qc,U	1	<9.31	<23.1	<9.31	µg/Kg	1	9.31	20	8.05
1,2,4-Trimethylbenzene	U	1	<9.05	<23.1	<9.05	µg/Kg	1	9.05	20	7.83
1,4-Dichlorobenzene (para)	U	1	<10.1	<23.1	<10.1	µg/Kg	1	10.1	20	8.73
sec-Butylbenzene	U	1	<8.40	<23.1	<8.40	µg/Kg	1	8.40	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.25	<23.1	<8.25	µg/Kg	1	8.25	20	7.14
p-Isopropyltoluene	U		<7.25	<23.1	<7.25	µg/Kg	1	7.25	20	6.27
4-Chlorotoluene	U	1	<10.8	<23.1	<10.8	µg/Kg	1	10.8	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.5	<23.1	<10.5	µg/Kg	1	10.5	20	9.1
n-Butylbenzene	U	1	<8.43	<23.1	8.68	µg/Kg	1	8.43	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.80	<116	<8.80	µg/Kg	1	8.80	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.46	<116	25.2	µg/Kg	1	8.46	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.70	<116	15.7	µg/Kg	1	7.70	100	6.66
Naphthalene	Qc,U	1	<8.86	<116	60.6	µg/Kg	1	8.86	100	7.66
Hexachlorobutadiene	U	1	<14.2	<116	44.7	µg/Kg	1	14.2	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			886	µg/Kg	1	1000	89	70 - 130
Toluene-d8			966	µg/Kg	1	1000	97	70 - 130
4-Bromofluorobenzene (4-BFB)			859	µg/Kg	1	1000	86	70 - 130

Sample: 275031 - B-9 (5-10)

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84117	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71424	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	12.2	%	1	

Sample: 275031 - B-9 (5-10)

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84230	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00131	<0.00190	<0.00131	mg/Kg	1	0.00131	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00137	<0.00190	<0.00137	mg/Kg	1	0.00137	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00146	<0.00190	<0.00146	mg/Kg	1	0.00146	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00164	<0.00190	<0.00164	mg/Kg	1	0.00164	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00171	<0.00190	<0.00171	mg/Kg	1	0.00171	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00131	<0.00190	<0.00131	mg/Kg	1	0.00131	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00150	<0.00190	<0.00150	mg/Kg	1	0.00150	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00138	<0.00190	<0.00138	mg/Kg	1	0.00138	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00159	<0.00190	<0.00159	mg/Kg	1	0.00159	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0135	mg/Kg	1	0.0167	81	58.7 - 121

Sample: 275031 - B-9 (5-10)

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84211	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71498	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0410	<0.285	<0.0410	mg/Kg	1	0.0410	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0755	<0.285	<0.0755	mg/Kg	1	0.0755	0.25	0.0663
2-Picoline	U	1	<0.0642	<0.285	<0.0642	mg/Kg	1	0.0642	0.25	0.0564

continued . . .

sample 275031 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0589	<0.285	<0.0589	mg/Kg	1	0.0589	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0642	<0.285	<0.0642	mg/Kg	1	0.0642	0.25	0.0564
Phenol	U	1	<0.0501	<0.285	<0.0501	mg/Kg	1	0.0501	0.25	0.044
Aniline	U	1	<0.0593	<0.285	<0.0593	mg/Kg	1	0.0593	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0548	<0.285	<0.0548	mg/Kg	1	0.0548	0.25	0.0481
2-Chlorophenol	U	1	<0.0510	<0.285	<0.0510	mg/Kg	1	0.0510	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0391	<0.285	<0.0391	mg/Kg	1	0.0391	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0327	<0.285	<0.0327	mg/Kg	1	0.0327	0.25	0.0287
Benzyl alcohol	U	1	<0.0289	<0.285	<0.0289	mg/Kg	1	0.0289	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0664	<0.285	<0.0664	mg/Kg	1	0.0664	0.25	0.0583
2-Methylphenol	U	1	<0.0410	<0.285	<0.0410	mg/Kg	1	0.0410	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0614	<0.285	<0.0614	mg/Kg	1	0.0614	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0667	<0.285	<0.0667	mg/Kg	1	0.0667	0.25	0.0586
Acetophenone	U	1	<0.0386	<0.285	<0.0386	mg/Kg	1	0.0386	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0602	<0.285	<0.0602	mg/Kg	1	0.0602	0.25	0.0529
Hexachloroethane	U	1	<0.0599	<0.285	<0.0599	mg/Kg	1	0.0599	0.25	0.0526
Nitrobenzene	U	1	<0.0472	<0.285	<0.0472	mg/Kg	1	0.0472	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0548	<0.285	<0.0548	mg/Kg	1	0.0548	0.25	0.0481
Isophorone	U	1	<0.0615	<0.285	<0.0615	mg/Kg	1	0.0615	0.25	0.054
2-Nitrophenol	Qc,Qr,U	1	<0.0536	<0.285	<0.0536	mg/Kg	1	0.0536	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0453	<0.285	<0.0453	mg/Kg	1	0.0453	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0585	<0.285	<0.0585	mg/Kg	1	0.0585	0.25	0.0514
Benzoic acid	U	1	<0.0453	<0.285	<0.0453	mg/Kg	1	0.0453	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0353	<0.285	<0.0353	mg/Kg	1	0.0353	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0385	<0.285	<0.0385	mg/Kg	1	0.0385	0.25	0.0338
Naphthalene	U	1	<0.0618	<0.285	<0.0618	mg/Kg	1	0.0618	0.25	0.0543
4-Chloroaniline	U	1	<0.0467	<0.285	<0.0467	mg/Kg	1	0.0467	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0400	<0.285	<0.0400	mg/Kg	1	0.0400	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0442	<0.285	<0.0442	mg/Kg	1	0.0442	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0625	<0.285	<0.0625	mg/Kg	1	0.0625	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0303	<0.285	<0.0303	mg/Kg	1	0.0303	0.25	0.0266
1-Methylnaphthalene	U		<0.0599	<0.285	<0.0599	mg/Kg	1	0.0599	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0549	<0.285	<0.0549	mg/Kg	1	0.0549	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0441	<0.285	<0.0441	mg/Kg	1	0.0441	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.111	<0.285	<0.111	mg/Kg	1	0.111	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0506	<0.285	<0.0506	mg/Kg	1	0.0506	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0642	<0.285	<0.0642	mg/Kg	1	0.0642	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0536	<0.285	<0.0536	mg/Kg	1	0.0536	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0671	<0.285	<0.0671	mg/Kg	1	0.0671	0.25	0.0589
2-Nitroaniline	U	1	<0.0467	<0.285	<0.0467	mg/Kg	1	0.0467	0.25	0.041
Dimethylphthalate	U	1	<0.0706	<0.285	<0.0706	mg/Kg	1	0.0706	0.25	0.062
Acenaphthylene	U	1	<0.0632	<0.285	<0.0632	mg/Kg	1	0.0632	0.25	0.0555
2,6-Dinitrotoluene	U	1	<0.0633	<0.285	<0.0633	mg/Kg	1	0.0633	0.25	0.0556
3-Nitroaniline	U	1	<0.0530	<0.285	<0.0530	mg/Kg	1	0.0530	0.25	0.0465
Acenaphthene	U	1	<0.0636	<0.285	<0.0636	mg/Kg	1	0.0636	0.25	0.0558

continued . . .

sample 275031 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	U	1	<0.0951	<0.285	<0.0951	mg/Kg	1	0.0951	0.25	0.0835
Dibenzofuran	U	1	<0.0504	<0.285	<0.0504	mg/Kg	1	0.0504	0.25	0.0443
Pentachlorobenzene	U	1	<0.0547	<0.285	<0.0547	mg/Kg	1	0.0547	0.25	0.048
4-Nitrophenol	U	1	<0.0252	<0.285	<0.0252	mg/Kg	1	0.0252	0.25	0.0221
1-Naphthylamine	U	1	<0.0391	<0.285	<0.0391	mg/Kg	1	0.0391	0.25	0.0343
2,4-Dinitrotoluene	U	1	<0.0719	<0.285	<0.0719	mg/Kg	1	0.0719	0.25	0.0631
2-Naphthylamine	U	1	<0.0574	<0.285	<0.0574	mg/Kg	1	0.0574	0.25	0.0504
2,3,4,6-Tetrachlorophenol	U	1	<0.0240	<0.285	<0.0240	mg/Kg	1	0.0240	0.25	0.0211
Fluorene	U	1	<0.0710	<0.285	<0.0710	mg/Kg	1	0.0710	0.25	0.0623
Diethylphthalate	U	1	<0.0618	<0.285	<0.0618	mg/Kg	1	0.0618	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0535	<0.285	<0.0535	mg/Kg	1	0.0535	0.25	0.047
4-Nitroaniline	U	1	<0.118	<0.285	<0.118	mg/Kg	1	0.118	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,Qr,U	1	<0.0996	<0.285	<0.0996	mg/Kg	1	0.0996	0.25	0.0875
Diphenylamine	U	1	<0.0642	<0.285	<0.0642	mg/Kg	1	0.0642	0.25	0.0564
Diphenylhydrazine	U		<0.0733	<0.285	<0.0733	mg/Kg	1	0.0733	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0583	<0.285	<0.0583	mg/Kg	1	0.0583	0.25	0.0512
Phenacetin	U	1	<0.0594	<0.285	<0.0594	mg/Kg	1	0.0594	0.25	0.0522
Hexachlorobenzene	U	1	<0.0508	<0.285	<0.0508	mg/Kg	1	0.0508	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0401	<0.285	<0.0401	mg/Kg	1	0.0401	0.25	0.0352
Pentachlorophenol	U	1	<0.0660	<0.285	<0.0660	mg/Kg	1	0.0660	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0394	<0.285	<0.0394	mg/Kg	1	0.0394	0.25	0.0346
Pronamide	U	1	<0.0660	<0.285	<0.0660	mg/Kg	1	0.0660	0.25	0.058
Phenanthrene	U	1	<0.0610	<0.285	<0.0610	mg/Kg	1	0.0610	0.25	0.0536
Anthracene	U	1	<0.0411	<0.285	<0.0411	mg/Kg	1	0.0411	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0602	<0.285	<0.0602	mg/Kg	1	0.0602	0.25	0.0529
Fluoranthene	U	1	<0.0388	<0.285	<0.0388	mg/Kg	1	0.0388	0.25	0.0341
Benzidine	U	1	<0.0781	<0.285	<0.0781	mg/Kg	1	0.0781	0.25	0.0686
Pyrene	U	1	<0.0444	<0.285	<0.0444	mg/Kg	1	0.0444	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0598	<0.285	<0.0598	mg/Kg	1	0.0598	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0782	<0.285	<0.0782	mg/Kg	1	0.0782	0.25	0.0687
Benzo(a)anthracene	U	1	<0.0424	<0.285	<0.0424	mg/Kg	1	0.0424	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0558	<0.285	<0.0558	mg/Kg	1	0.0558	0.25	0.049
Chrysene	U	1	<0.0567	<0.285	<0.0567	mg/Kg	1	0.0567	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0803	<0.285	<0.0803	mg/Kg	1	0.0803	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0774	<0.285	0.412	mg/Kg	1	0.0774	0.25	0.068
Benzo(b)fluoranthene	U	1	<0.0435	<0.285	<0.0435	mg/Kg	1	0.0435	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0335	<0.285	<0.0335	mg/Kg	1	0.0335	0.25	0.0294
Benzo(k)fluoranthene	U	1	<0.0534	<0.285	<0.0534	mg/Kg	1	0.0534	0.25	0.0469
Benzo(a)pyrene	U	1	<0.0507	<0.285	<0.0507	mg/Kg	1	0.0507	0.25	0.0445
3-Methylcholanthrene	U	1	<0.0367	<0.285	<0.0367	mg/Kg	1	0.0367	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0736	<0.285	<0.0736	mg/Kg	1	0.0736	0.25	0.0646
Indeno(1,2,3-cd)pyrene	U	1	<0.0490	<0.285	<0.0490	mg/Kg	1	0.0490	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0538	<0.285	<0.0538	mg/Kg	1	0.0538	0.25	0.0472
Benzo(g,h,i)perylene	U	1	<0.0479	<0.285	<0.0479	mg/Kg	1	0.0479	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.809	mg/Kg	1	2.67	30	10 - 88
Phenol-d5			0.986	mg/Kg	1	2.67	37	10 - 100
Nitrobenzene-d5			1.09	mg/Kg	1	2.67	41	10 - 89.7
2-Fluorobiphenyl			0.887	mg/Kg	1	2.67	33	13 - 93
2,4,6-Tribromophenol			1.27	mg/Kg	1	2.67	48	10 - 99.4
Terphenyl-d14			1.23	mg/Kg	1	2.67	46	38.9 - 94.4

Sample: 275031 - B-9 (5-10)

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84257	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84305	Date Analyzed:	2011-08-29	Analyzed By:	RR
Prep Batch:	71521	Sample Preparation:	2011-08-24	Prepared By:	KV

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0757	<0.569	<0.0757	mg/Kg	1	0.0757	0.5	0.0665
Total Arsenic		1	**6.94**	**6.94**	<0.218	mg/Kg	1	0.218	2	0.191
Total Barium		1	**208**	**208**	<0.0186	mg/Kg	1	0.0186	1	0.0163
Total Cadmium	U	1	<0.0253	<0.569	<0.0253	mg/Kg	1	0.0253	0.5	0.0222
Total Chromium		1	**13.9**	**13.9**	<0.0543	mg/Kg	1	0.0543	0.5	0.0477
Total Mercury	J	1	**0.00405**	<0.0285	<0.00226	mg/Kg	1	0.00226	0.025	0.00198
Total Lead		1	**6.18**	**6.18**	<0.103	mg/Kg	1	0.103	1	0.0905
Total Selenium	U	1	<0.339	<2.28	<0.339	mg/Kg	1	0.339	2	0.298

Sample: 275031 - B-9 (5-10)

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84159	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71449	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.7	<56.9	<14.7	mg/Kg	1	14.7	50	12.9
>C12-C28	U	1	<12.8	<56.9	<12.8	mg/Kg	1	12.8	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			101	mg/Kg	1	100	101	55.1 - 140
n-Tricosane			92.3	mg/Kg	1	100	92	65.2 - 142
n-Triacontane			106	mg/Kg	1	100	106	68.8 - 145

Sample: 275031 - B-9 (5-10)

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.20	<22.8	<7.20	µg/Kg	1	7.20	20	6.32
Dichlorodifluoromethane	Qr,U	1	<16.8	<22.8	<16.8	µg/Kg	1	16.8	20	14.8
Chloromethane (methyl chloride)	U	1	<5.36	<22.8	<5.36	µg/Kg	1	5.36	20	4.71
Vinyl Chloride	U	1	<15.3	<22.8	<15.3	µg/Kg	1	15.3	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.23	<114	<7.23	µg/Kg	1	7.23	100	6.35
Chloroethane	Qr,U	1	<10.8	<22.8	<10.8	µg/Kg	1	10.8	20	9.44
Trichlorofluoromethane	Qr,U	1	<16.5	<22.8	<16.5	µg/Kg	1	16.5	20	14.5
Acetone	Qc,U	1	<20.3	<228	<20.3	µg/Kg	1	20.3	200	17.8
Iodomethane (methyl iodide)	U	1	<6.16	<114	<6.16	µg/Kg	1	6.16	100	5.41
Carbon Disulfide	U	1	<6.09	<22.8	<6.09	µg/Kg	1	6.09	20	5.35
Acrylonitrile	Qc,U	1	<4.72	<22.8	<4.72	µg/Kg	1	4.72	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.2	<114	<11.2	µg/Kg	1	11.2	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.34	<114	<9.34	µg/Kg	1	9.34	100	8.2
2-Hexanone	Qc,U	1	<9.98	<114	<9.98	µg/Kg	1	9.98	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.62	<228	<5.62	µg/Kg	1	5.62	200	4.93
1,1-Dichloroethene	U	1	<6.59	<22.8	<6.59	µg/Kg	1	6.59	20	5.79
Methylene chloride	JB	1	**20.6**	<114	15.7	µg/Kg	1	7.89	100	6.93
MTBE	U	1	<4.67	<22.8	<4.67	µg/Kg	1	4.67	20	4.1
trans-1,2-Dichloroethene	U	1	<7.16	<22.8	<7.16	µg/Kg	1	7.16	20	6.29
1,1-Dichloroethane	U	1	<6.34	<22.8	<6.34	µg/Kg	1	6.34	20	5.57
cis-1,2-Dichloroethene	U	1	<5.99	<22.8	<5.99	µg/Kg	1	5.99	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.41	<22.8	<6.41	µg/Kg	1	6.41	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.86	<22.8	<5.86	µg/Kg	1	5.86	20	5.15
Chloroform	U	1	<4.74	<22.8	<4.74	µg/Kg	1	4.74	20	4.16
1,1,1-Trichloroethane	U	1	<7.11	<22.8	<7.11	µg/Kg	1	7.11	20	6.24
1,1-Dichloropropene	U	1	<6.73	<22.8	<6.73	µg/Kg	1	6.73	20	5.91
Benzene	U	1	<6.91	<22.8	<6.91	µg/Kg	1	6.91	20	6.07
Carbon Tetrachloride	U	1	<5.82	<22.8	<5.82	µg/Kg	1	5.82	20	5.11
1,2-Dichloropropane	U	1	<6.51	<22.8	<6.51	µg/Kg	1	6.51	20	5.72
Trichloroethene (TCE)	U	1	<7.14	<22.8	<7.14	µg/Kg	1	7.14	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.86	<22.8	<4.86	µg/Kg	1	4.86	20	4.27
Bromodichloromethane	U	1	<8.71	<22.8	<8.71	µg/Kg	1	8.71	20	7.65

continued ...

sample 275031 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2-Chloroethyl vinyl ether	Qc,U	1	<6.00	<22.8	<6.00	µg/Kg	1	6.00	20	5.27
cis-1,3-Dichloropropene	U	1	<6.31	<22.8	<6.31	µg/Kg	1	6.31	20	5.54
trans-1,3-Dichloropropene	U	1	<4.74	<22.8	<4.74	µg/Kg	1	4.74	20	4.16
Toluene	U	1	<8.45	<22.8	<8.45	µg/Kg	1	8.45	20	7.42
1,1,2-Trichloroethane	U	1	<7.21	<22.8	<7.21	µg/Kg	1	7.21	20	6.33
1,3-Dichloropropane	U	1	<7.00	<22.8	<7.00	µg/Kg	1	7.00	20	6.15
Dibromochloromethane	U	1	<7.55	<22.8	<7.55	µg/Kg	1	7.55	20	6.63
1,2-Dibromoethane (EDB)	U	1	<6.96	<22.8	<6.96	µg/Kg	1	6.96	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.5	<22.8	<14.5	µg/Kg	1	14.5	20	12.7
Chlorobenzene	U	1	<8.92	<22.8	<8.92	µg/Kg	1	8.92	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.36	<22.8	<5.36	µg/Kg	1	5.36	20	4.71
Ethylbenzene	U	1	<8.77	<22.8	<8.77	µg/Kg	1	8.77	20	7.7
m,p-Xylene	U	1	<16.7	<22.8	<16.7	µg/Kg	1	16.7	20	14.7
Bromoform	U	1	<6.44	<22.8	<6.44	µg/Kg	1	6.44	20	5.65
Styrene	U	1	<8.99	<22.8	<8.99	µg/Kg	1	8.99	20	7.89
o-Xylene	U	1	<9.02	<22.8	<9.02	µg/Kg	1	9.02	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.86	<22.8	<5.86	µg/Kg	1	5.86	20	5.15
2-Chlorotoluene	U	1	<9.32	<22.8	<9.32	µg/Kg	1	9.32	20	8.18
1,2,3-Trichloropropane	U	1	<8.78	<22.8	<8.78	µg/Kg	1	8.78	20	7.71
Isopropylbenzene	Qc,U	1	<10.4	<22.8	<10.4	µg/Kg	1	10.4	20	9.13
Bromobenzene	U	1	<7.65	<22.8	<7.65	µg/Kg	1	7.65	20	6.72
n-Propylbenzene	U	1	<8.62	<22.8	<8.62	µg/Kg	1	8.62	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.83	<22.8	<9.83	µg/Kg	1	9.83	20	8.63
tert-Butylbenzene	Qc,U	1	<9.17	<22.8	<9.17	µg/Kg	1	9.17	20	8.05
1,2,4-Trimethylbenzene	U	1	<8.92	<22.8	<8.92	µg/Kg	1	8.92	20	7.83
1,4-Dichlorobenzene (para)	U	1	<9.94	<22.8	<9.94	µg/Kg	1	9.94	20	8.73
sec-Butylbenzene	U	1	<8.28	<22.8	<8.28	µg/Kg	1	8.28	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.13	<22.8	<8.13	µg/Kg	1	8.13	20	7.14
p-Isopropyltoluene	U		<7.14	<22.8	<7.14	µg/Kg	1	7.14	20	6.27
4-Chlorotoluene	U	1	<10.6	<22.8	<10.6	µg/Kg	1	10.6	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.4	<22.8	<10.4	µg/Kg	1	10.4	20	9.1
n-Butylbenzene	U	1	<8.30	<22.8	8.55	µg/Kg	1	8.30	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.67	<114	<8.67	µg/Kg	1	8.67	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.34	<114	24.8	µg/Kg	1	8.34	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.58	<114	15.5	µg/Kg	1	7.58	100	6.66
Naphthalene	Qc,U	1	<8.72	<114	59.7	µg/Kg	1	8.72	100	7.66
Hexachlorobutadiene	U	1	<14.0	<114	44.1	µg/Kg	1	14.0	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			876	µg/Kg	1	1000	88	70 - 130
Toluene-d8			970	µg/Kg	1	1000	97	70 - 130
4-Bromofluorobenzene (4-BFB)			852	µg/Kg	1	1000	85	70 - 130

Sample: 275032 - B-10 (0-5)

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84117	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71424	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	Result	RL Units	Dilution	RL
Moisture		1	9.63	%	1	

Sample: 275032 - B-10 (0-5)

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84230	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00127	<0.00185	<0.00127	mg/Kg	1	0.00127	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00133	<0.00185	<0.00133	mg/Kg	1	0.00133	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00142	<0.00185	<0.00142	mg/Kg	1	0.00142	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00159	<0.00185	<0.00159	mg/Kg	1	0.00159	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00166	<0.00185	<0.00166	mg/Kg	1	0.00166	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00127	<0.00185	<0.00127	mg/Kg	1	0.00127	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00146	<0.00185	<0.00146	mg/Kg	1	0.00146	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00134	<0.00185	<0.00134	mg/Kg	1	0.00134	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00155	<0.00185	<0.00155	mg/Kg	1	0.00155	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0155	mg/Kg	1	0.0167	93	58.7 - 121

Sample: 275032 - B-10 (0-5)

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84211	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71498	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0398	<0.277	<0.0398	mg/Kg	1	0.0398	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0734	<0.277	<0.0734	mg/Kg	1	0.0734	0.25	0.0663
2-Picoline	U	1	<0.0624	<0.277	<0.0624	mg/Kg	1	0.0624	0.25	0.0564

continued . . .

sample 275032 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0572	<0.277	<0.0572	mg/Kg	1	0.0572	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0624	<0.277	<0.0624	mg/Kg	1	0.0624	0.25	0.0564
Phenol	U	1	<0.0487	<0.277	<0.0487	mg/Kg	1	0.0487	0.25	0.044
Aniline	U	1	<0.0576	<0.277	<0.0576	mg/Kg	1	0.0576	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0532	<0.277	<0.0532	mg/Kg	1	0.0532	0.25	0.0481
2-Chlorophenol	U	1	<0.0496	<0.277	<0.0496	mg/Kg	1	0.0496	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0380	<0.277	<0.0380	mg/Kg	1	0.0380	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0318	<0.277	<0.0318	mg/Kg	1	0.0318	0.25	0.0287
Benzyl alcohol	U	1	<0.0281	<0.277	<0.0281	mg/Kg	1	0.0281	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0645	<0.277	<0.0645	mg/Kg	1	0.0645	0.25	0.0583
2-Methylphenol	U	1	<0.0398	<0.277	<0.0398	mg/Kg	1	0.0398	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0596	<0.277	<0.0596	mg/Kg	1	0.0596	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0648	<0.277	<0.0648	mg/Kg	1	0.0648	0.25	0.0586
Acetophenone	U	1	<0.0375	<0.277	<0.0375	mg/Kg	1	0.0375	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0585	<0.277	<0.0585	mg/Kg	1	0.0585	0.25	0.0529
Hexachloroethane	U	1	<0.0582	<0.277	<0.0582	mg/Kg	1	0.0582	0.25	0.0526
Nitrobenzene	U	1	<0.0458	<0.277	<0.0458	mg/Kg	1	0.0458	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0532	<0.277	<0.0532	mg/Kg	1	0.0532	0.25	0.0481
Isophorone	U	1	<0.0598	<0.277	<0.0598	mg/Kg	1	0.0598	0.25	0.054
2-Nitrophenol	Qc,Qr,U	1	<0.0521	<0.277	<0.0521	mg/Kg	1	0.0521	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0440	<0.277	<0.0440	mg/Kg	1	0.0440	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0569	<0.277	<0.0569	mg/Kg	1	0.0569	0.25	0.0514
Benzoic acid	U	1	<0.0440	<0.277	<0.0440	mg/Kg	1	0.0440	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0343	<0.277	<0.0343	mg/Kg	1	0.0343	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0374	<0.277	<0.0374	mg/Kg	1	0.0374	0.25	0.0338
Naphthalene	U	1	<0.0601	<0.277	<0.0601	mg/Kg	1	0.0601	0.25	0.0543
4-Chloroaniline	U	1	<0.0454	<0.277	<0.0454	mg/Kg	1	0.0454	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0388	<0.277	<0.0388	mg/Kg	1	0.0388	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0429	<0.277	<0.0429	mg/Kg	1	0.0429	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0608	<0.277	<0.0608	mg/Kg	1	0.0608	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0294	<0.277	<0.0294	mg/Kg	1	0.0294	0.25	0.0266
1-Methylnaphthalene	U		<0.0582	<0.277	<0.0582	mg/Kg	1	0.0582	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0533	<0.277	<0.0533	mg/Kg	1	0.0533	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0428	<0.277	<0.0428	mg/Kg	1	0.0428	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.108	<0.277	<0.108	mg/Kg	1	0.108	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0491	<0.277	<0.0491	mg/Kg	1	0.0491	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0624	<0.277	<0.0624	mg/Kg	1	0.0624	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0521	<0.277	<0.0521	mg/Kg	1	0.0521	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0652	<0.277	<0.0652	mg/Kg	1	0.0652	0.25	0.0589
2-Nitroaniline	U	1	<0.0454	<0.277	<0.0454	mg/Kg	1	0.0454	0.25	0.041
Dimethylphthalate	U	1	<0.0686	<0.277	<0.0686	mg/Kg	1	0.0686	0.25	0.062
Acenaphthylene	U	1	<0.0614	<0.277	<0.0614	mg/Kg	1	0.0614	0.25	0.0555
2,6-Dinitrotoluene	U	1	<0.0615	<0.277	<0.0615	mg/Kg	1	0.0615	0.25	0.0556
3-Nitroaniline	U	1	<0.0514	<0.277	<0.0514	mg/Kg	1	0.0514	0.25	0.0465
Acenaphthene	U	1	<0.0617	<0.277	<0.0617	mg/Kg	1	0.0617	0.25	0.0558

continued . . .

sample 275032 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	U	1	<0.0924	<0.277	<0.0924	mg/Kg	1	0.0924	0.25	0.0835
Dibenzofuran	U	1	<0.0490	<0.277	<0.0490	mg/Kg	1	0.0490	0.25	0.0443
Pentachlorobenzene	U	1	<0.0531	<0.277	<0.0531	mg/Kg	1	0.0531	0.25	0.048
4-Nitrophenol	U	1	<0.0244	<0.277	<0.0244	mg/Kg	1	0.0244	0.25	0.0221
1-Naphthylamine	U	1	<0.0380	<0.277	<0.0380	mg/Kg	1	0.0380	0.25	0.0343
2,4-Dinitrotoluene	U	1	<0.0698	<0.277	<0.0698	mg/Kg	1	0.0698	0.25	0.0631
2-Naphthylamine	U	1	<0.0558	<0.277	<0.0558	mg/Kg	1	0.0558	0.25	0.0504
2,3,4,6-Tetrachlorophenol	U	1	<0.0233	<0.277	<0.0233	mg/Kg	1	0.0233	0.25	0.0211
Fluorene	U	1	<0.0689	<0.277	<0.0689	mg/Kg	1	0.0689	0.25	0.0623
Diethylphthalate	U	1	<0.0601	<0.277	<0.0601	mg/Kg	1	0.0601	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0520	<0.277	<0.0520	mg/Kg	1	0.0520	0.25	0.047
4-Nitroaniline	U	1	<0.115	<0.277	<0.115	mg/Kg	1	0.115	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,Qr,U	1	<0.0968	<0.277	<0.0968	mg/Kg	1	0.0968	0.25	0.0875
Diphenylamine	U	1	<0.0624	<0.277	<0.0624	mg/Kg	1	0.0624	0.25	0.0564
Diphenylhydrazine	U		<0.0713	<0.277	<0.0713	mg/Kg	1	0.0713	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0566	<0.277	<0.0566	mg/Kg	1	0.0566	0.25	0.0512
Phenacetin	U	1	<0.0578	<0.277	<0.0578	mg/Kg	1	0.0578	0.25	0.0522
Hexachlorobenzene	U	1	<0.0494	<0.277	<0.0494	mg/Kg	1	0.0494	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0390	<0.277	<0.0390	mg/Kg	1	0.0390	0.25	0.0352
Pentachlorophenol	U	1	<0.0642	<0.277	<0.0642	mg/Kg	1	0.0642	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0383	<0.277	<0.0383	mg/Kg	1	0.0383	0.25	0.0346
Pronamide	U	1	<0.0642	<0.277	<0.0642	mg/Kg	1	0.0642	0.25	0.058
Phenanthrene	U	1	<0.0593	<0.277	<0.0593	mg/Kg	1	0.0593	0.25	0.0536
Anthracene	U	1	<0.0399	<0.277	<0.0399	mg/Kg	1	0.0399	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0585	<0.277	<0.0585	mg/Kg	1	0.0585	0.25	0.0529
Fluoranthene	U	1	<0.0377	<0.277	<0.0377	mg/Kg	1	0.0377	0.25	0.0341
Benzidine	U	1	<0.0759	<0.277	<0.0759	mg/Kg	1	0.0759	0.25	0.0686
Pyrene	U	1	<0.0432	<0.277	<0.0432	mg/Kg	1	0.0432	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0581	<0.277	<0.0581	mg/Kg	1	0.0581	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0760	<0.277	<0.0760	mg/Kg	1	0.0760	0.25	0.0687
Benzo(a)anthracene	U	1	<0.0412	<0.277	<0.0412	mg/Kg	1	0.0412	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0542	<0.277	<0.0542	mg/Kg	1	0.0542	0.25	0.049
Chrysene	U	1	<0.0551	<0.277	<0.0551	mg/Kg	1	0.0551	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0780	<0.277	<0.0780	mg/Kg	1	0.0780	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0752	<0.277	0.400	mg/Kg	1	0.0752	0.25	0.068
Benzo(b)fluoranthene	U	1	<0.0423	<0.277	<0.0423	mg/Kg	1	0.0423	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0325	<0.277	<0.0325	mg/Kg	1	0.0325	0.25	0.0294
Benzo(k)fluoranthene	U	1	<0.0519	<0.277	<0.0519	mg/Kg	1	0.0519	0.25	0.0469
Benzo(a)pyrene	U	1	<0.0492	<0.277	<0.0492	mg/Kg	1	0.0492	0.25	0.0445
3-Methylcholanthrene	U	1	<0.0356	<0.277	<0.0356	mg/Kg	1	0.0356	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0715	<0.277	<0.0715	mg/Kg	1	0.0715	0.25	0.0646
Indeno(1,2,3-cd)pyrene	U	1	<0.0476	<0.277	<0.0476	mg/Kg	1	0.0476	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0522	<0.277	<0.0522	mg/Kg	1	0.0522	0.25	0.0472
Benzo(g,h,i)perylene	U	1	<0.0466	<0.277	<0.0466	mg/Kg	1	0.0466	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			1.54	mg/Kg	1	2.67	58	10 - 88
Phenol-d5			1.78	mg/Kg	1	2.67	67	10 - 100
Nitrobenzene-d5			2.09	mg/Kg	1	2.67	78	10 - 89.7
2-Fluorobiphenyl			1.71	mg/Kg	1	2.67	64	13 - 93
2,4,6-Tribromophenol			2.14	mg/Kg	1	2.67	80	10 - 99.4
Terphenyl-d14			1.70	mg/Kg	1	2.67	64	38.9 - 94.4

Sample: 275032 - B-10 (0-5)

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84257	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84305	Date Analyzed:	2011-08-29	Analyzed By:	RR
Prep Batch:	71521	Sample Preparation:	2011-08-24	Prepared By:	KV

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0736	<0.553	<0.0736	mg/Kg	1	0.0736	0.5	0.0665
Total Arsenic		1	**7.97**	**7.97**	<0.211	mg/Kg	1	0.211	2	0.191
Total Barium		1	**175**	**175**	<0.0180	mg/Kg	1	0.0180	1	0.0163
Total Cadmium	U	1	<0.0246	<0.553	<0.0246	mg/Kg	1	0.0246	0.5	0.0222
Total Chromium		1	**16.5**	**16.5**	<0.0528	mg/Kg	1	0.0528	0.5	0.0477
Total Mercury	J	1	**0.0135**	<0.0277	<0.00219	mg/Kg	1	0.00219	0.025	0.00198
Total Lead		1	**9.78**	**9.78**	<0.100	mg/Kg	1	0.100	1	0.0905
Total Selenium	U	1	<0.330	<2.21	<0.330	mg/Kg	1	0.330	2	0.298

Sample: 275032 - B-10 (0-5)

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84159	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71449	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.3	<55.3	<14.3	mg/Kg	1	14.3	50	12.9
>C12-C28	U	1	<12.4	<55.3	<12.4	mg/Kg	1	12.4	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			101	mg/Kg	1	100	101	55.1 - 140
n-Tricosane			95.5	mg/Kg	1	100	96	65.2 - 142
n-Triacontane			107	mg/Kg	1	100	107	68.8 - 145

Sample: 275032 - B-10 (0-5)

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84125	Date Analyzed:	2011-08-20	Analyzed By:	KB
Prep Batch:	71430	Sample Preparation:	2011-08-20	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<6.99	<22.1	<6.99	µg/Kg	1	6.99	20	6.32
Dichlorodifluoromethane	U	1	<16.4	<22.1	<16.4	µg/Kg	1	16.4	20	14.8
Chloromethane (methyl chloride)	U	1	<5.21	<22.1	<5.21	µg/Kg	1	5.21	20	4.71
Vinyl Chloride	U	1	<14.8	<22.1	<14.8	µg/Kg	1	14.8	20	13.4
Bromomethane (methyl bromide)	U	1	<7.03	<111	<7.03	µg/Kg	1	7.03	100	6.35
Chloroethane	U	1	<10.4	<22.1	<10.4	µg/Kg	1	10.4	20	9.44
Trichlorofluoromethane	U	1	<16.0	<22.1	<16.0	µg/Kg	1	16.0	20	14.5
Acetone	Qc,U	1	<19.7	<221	<19.7	µg/Kg	1	19.7	200	17.8
Iodomethane (methyl iodide)	U	1	<5.99	<111	<5.99	µg/Kg	1	5.99	100	5.41
Carbon Disulfide	U	1	<5.92	<22.1	<5.92	µg/Kg	1	5.92	20	5.35
Acrylonitrile	U	1	<4.58	<22.1	<4.58	µg/Kg	1	4.58	20	4.14
2-Butanone (MEK)	Qc,U	1	<10.9	<111	<10.9	µg/Kg	1	10.9	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.07	<111	<9.07	µg/Kg	1	9.07	100	8.2
2-Hexanone	Qc,U	1	<9.69	<111	<9.69	µg/Kg	1	9.69	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.46	<221	<5.46	µg/Kg	1	5.46	200	4.93
1,1-Dichloroethene	U	1	<6.41	<22.1	<6.41	µg/Kg	1	6.41	20	5.79
Methylene chloride	JB	1	**20.9**	<111	17.3	µg/Kg	1	7.67	100	6.93
MTBE	U	1	<4.54	<22.1	<4.54	µg/Kg	1	4.54	20	4.1
trans-1,2-Dichloroethene	U	1	<6.96	<22.1	<6.96	µg/Kg	1	6.96	20	6.29
1,1-Dichloroethane	U	1	<6.16	<22.1	<6.16	µg/Kg	1	6.16	20	5.57
cis-1,2-Dichloroethene	U	1	<5.82	<22.1	<5.82	µg/Kg	1	5.82	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.23	<22.1	<6.23	µg/Kg	1	6.23	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.70	<22.1	<5.70	µg/Kg	1	5.70	20	5.15
Chloroform	U	1	<4.60	<22.1	<4.60	µg/Kg	1	4.60	20	4.16
1,1,1-Trichloroethane	U	1	<6.90	<22.1	<6.90	µg/Kg	1	6.90	20	6.24
1,1-Dichloropropene	U	1	<6.54	<22.1	<6.54	µg/Kg	1	6.54	20	5.91
Benzene	U	1	<6.72	<22.1	<6.72	µg/Kg	1	6.72	20	6.07
Carbon Tetrachloride	U	1	<5.65	<22.1	<5.65	µg/Kg	1	5.65	20	5.11
1,2-Dichloropropane	U	1	<6.33	<22.1	<6.33	µg/Kg	1	6.33	20	5.72
Trichloroethene (TCE)	U	1	<6.94	<22.1	<6.94	µg/Kg	1	6.94	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.72	<22.1	<4.72	µg/Kg	1	4.72	20	4.27
Bromodichloromethane	U	1	<8.46	<22.1	<8.46	µg/Kg	1	8.46	20	7.65

continued ...

sample 275032 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2-Chloroethyl vinyl ether	Qc,U	1	<5.83	<22.1	<5.83	µg/Kg	1	5.83	20	5.27
cis-1,3-Dichloropropene	U	1	<6.13	<22.1	<6.13	µg/Kg	1	6.13	20	5.54
trans-1,3-Dichloropropene	U	1	<4.60	<22.1	<4.60	µg/Kg	1	4.60	20	4.16
Toluene	U	1	<8.21	<22.1	<8.21	µg/Kg	1	8.21	20	7.42
1,1,2-Trichloroethane	U	1	<7.00	<22.1	<7.00	µg/Kg	1	7.00	20	6.33
1,3-Dichloropropane	U	1	<6.80	<22.1	<6.80	µg/Kg	1	6.80	20	6.15
Dibromochloromethane	U	1	<7.34	<22.1	<7.34	µg/Kg	1	7.34	20	6.63
1,2-Dibromoethane (EDB)	U	1	<6.76	<22.1	<6.76	µg/Kg	1	6.76	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.0	<22.1	<14.0	µg/Kg	1	14.0	20	12.7
Chlorobenzene	U	1	<8.66	<22.1	<8.66	µg/Kg	1	8.66	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.21	<22.1	<5.21	µg/Kg	1	5.21	20	4.71
Ethylbenzene	U	1	<8.52	<22.1	<8.52	µg/Kg	1	8.52	20	7.7
m,p-Xylene	U	1	<16.3	<22.1	<16.3	µg/Kg	1	16.3	20	14.7
Bromoform	U	1	<6.25	<22.1	<6.25	µg/Kg	1	6.25	20	5.65
Styrene	U	1	<8.73	<22.1	<8.73	µg/Kg	1	8.73	20	7.89
o-Xylene	U	1	<8.76	<22.1	<8.76	µg/Kg	1	8.76	20	7.92
1,1,2,2-Tetrachloroethane	Qc,Qs,U	1	<5.70	<22.1	<5.70	µg/Kg	1	5.70	20	5.15
2-Chlorotoluene	U	1	<9.05	<22.1	<9.05	µg/Kg	1	9.05	20	8.18
1,2,3-Trichloropropane	U	1	<8.53	<22.1	<8.53	µg/Kg	1	8.53	20	7.71
Isopropylbenzene	Qc,U	1	<10.1	<22.1	<10.1	µg/Kg	1	10.1	20	9.13
Bromobenzene	U	1	<7.44	<22.1	<7.44	µg/Kg	1	7.44	20	6.72
n-Propylbenzene	U	1	<8.38	<22.1	<8.38	µg/Kg	1	8.38	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.55	<22.1	<9.55	µg/Kg	1	9.55	20	8.63
tert-Butylbenzene	Qc,U	1	<8.91	<22.1	<8.91	µg/Kg	1	8.91	20	8.05
1,2,4-Trimethylbenzene	U	1	<8.66	<22.1	<8.66	µg/Kg	1	8.66	20	7.83
1,4-Dichlorobenzene (para)	U	1	<9.66	<22.1	<9.66	µg/Kg	1	9.66	20	8.73
sec-Butylbenzene	U	1	<8.04	<22.1	<8.04	µg/Kg	1	8.04	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<7.90	<22.1	<7.90	µg/Kg	1	7.90	20	7.14
p-Isopropyltoluene	U		<6.94	<22.1	<6.94	µg/Kg	1	6.94	20	6.27
4-Chlorotoluene	U	1	<10.3	<22.1	<10.3	µg/Kg	1	10.3	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.1	<22.1	<10.1	µg/Kg	1	10.1	20	9.1
n-Butylbenzene	U	1	<8.07	<22.1	<8.07	µg/Kg	1	8.07	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.42	<111	<8.42	µg/Kg	1	8.42	100	7.61
1,2,3-Trichlorobenzene	J,Qc,Qs	1	**11.4**	<111	<8.10	µg/Kg	1	8.10	100	7.32
1,2,4-Trichlorobenzene	JB,Qc,Qs	1	**8.00**	<111	7.87	µg/Kg	1	7.37	100	6.66
Naphthalene	JB,Qc,Qs	1	**15.6**	<111	42.9	µg/Kg	1	8.48	100	7.66
Hexachlorobutadiene	U	1	<13.6	<111	44.0	µg/Kg	1	13.6	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			937	µg/Kg	1	1000	94	70 - 130
Toluene-d8			990	µg/Kg	1	1000	99	70 - 130
4-Bromofluorobenzene (4-BFB)			905	µg/Kg	1	1000	90	70 - 130

Sample: 275033 - Dup.-2

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84117	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71424	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	11.2	%	1	

Sample: 275033 - Dup.-2

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84230	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB		1	**0.0140**	**0.0140**	<0.00130	mg/Kg	1	0.00130	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00135	<0.00188	<0.00135	mg/Kg	1	0.00135	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00144	<0.00188	<0.00144	mg/Kg	1	0.00144	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00162	<0.00188	<0.00162	mg/Kg	1	0.00162	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00169	<0.00188	<0.00169	mg/Kg	1	0.00169	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00130	<0.00188	<0.00130	mg/Kg	1	0.00130	0.00167	0.00115
Aroclor 1254 (PCB-1254)		1	**0.0140**	**0.0140**	<0.00149	mg/Kg	1	0.00149	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00136	<0.00188	<0.00136	mg/Kg	1	0.00136	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00158	<0.00188	<0.00158	mg/Kg	1	0.00158	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0149	mg/Kg	1	0.0167	89	58.7 - 121

Sample: 275033 - Dup.-2

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84211	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71498	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0405	<0.282	<0.0405	mg/Kg	1	0.0405	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0747	<0.282	<0.0747	mg/Kg	1	0.0747	0.25	0.0663
2-Picoline	U	1	<0.0635	<0.282	<0.0635	mg/Kg	1	0.0635	0.25	0.0564

continued . . .

sample 275033 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0582	<0.282	<0.0582	mg/Kg	1	0.0582	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0635	<0.282	<0.0635	mg/Kg	1	0.0635	0.25	0.0564
Phenol	U	1	<0.0495	<0.282	<0.0495	mg/Kg	1	0.0495	0.25	0.044
Aniline	U	1	<0.0587	<0.282	<0.0587	mg/Kg	1	0.0587	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0542	<0.282	<0.0542	mg/Kg	1	0.0542	0.25	0.0481
2-Chlorophenol	U	1	<0.0504	<0.282	<0.0504	mg/Kg	1	0.0504	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0386	<0.282	<0.0386	mg/Kg	1	0.0386	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0323	<0.282	<0.0323	mg/Kg	1	0.0323	0.25	0.0287
Benzyl alcohol	U	1	<0.0286	<0.282	<0.0286	mg/Kg	1	0.0286	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0656	<0.282	<0.0656	mg/Kg	1	0.0656	0.25	0.0583
2-Methylphenol	U	1	<0.0405	<0.282	<0.0405	mg/Kg	1	0.0405	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0607	<0.282	<0.0607	mg/Kg	1	0.0607	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0660	<0.282	<0.0660	mg/Kg	1	0.0660	0.25	0.0586
Acetophenone	U	1	<0.0382	<0.282	<0.0382	mg/Kg	1	0.0382	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0596	<0.282	<0.0596	mg/Kg	1	0.0596	0.25	0.0529
Hexachloroethane	U	1	<0.0592	<0.282	<0.0592	mg/Kg	1	0.0592	0.25	0.0526
Nitrobenzene	U	1	<0.0466	<0.282	<0.0466	mg/Kg	1	0.0466	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0542	<0.282	<0.0542	mg/Kg	1	0.0542	0.25	0.0481
Isophorone	U	1	<0.0608	<0.282	<0.0608	mg/Kg	1	0.0608	0.25	0.054
2-Nitrophenol	Qc,Qr,U	1	<0.0530	<0.282	<0.0530	mg/Kg	1	0.0530	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0448	<0.282	<0.0448	mg/Kg	1	0.0448	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0579	<0.282	<0.0579	mg/Kg	1	0.0579	0.25	0.0514
Benzoic acid	U	1	<0.0448	<0.282	<0.0448	mg/Kg	1	0.0448	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0349	<0.282	<0.0349	mg/Kg	1	0.0349	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0381	<0.282	<0.0381	mg/Kg	1	0.0381	0.25	0.0338
Naphthalene	U	1	<0.0611	<0.282	<0.0611	mg/Kg	1	0.0611	0.25	0.0543
4-Chloroaniline	U	1	<0.0462	<0.282	<0.0462	mg/Kg	1	0.0462	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0395	<0.282	<0.0395	mg/Kg	1	0.0395	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0437	<0.282	<0.0437	mg/Kg	1	0.0437	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0618	<0.282	<0.0618	mg/Kg	1	0.0618	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0300	<0.282	<0.0300	mg/Kg	1	0.0300	0.25	0.0266
1-Methylnaphthalene	U		<0.0592	<0.282	<0.0592	mg/Kg	1	0.0592	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0543	<0.282	<0.0543	mg/Kg	1	0.0543	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0436	<0.282	<0.0436	mg/Kg	1	0.0436	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.110	<0.282	<0.110	mg/Kg	1	0.110	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0500	<0.282	<0.0500	mg/Kg	1	0.0500	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0635	<0.282	<0.0635	mg/Kg	1	0.0635	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0530	<0.282	<0.0530	mg/Kg	1	0.0530	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0663	<0.282	<0.0663	mg/Kg	1	0.0663	0.25	0.0589
2-Nitroaniline	U	1	<0.0462	<0.282	<0.0462	mg/Kg	1	0.0462	0.25	0.041
Dimethylphthalate	U	1	<0.0698	<0.282	<0.0698	mg/Kg	1	0.0698	0.25	0.062
Acenaphthylene	U	1	<0.0625	<0.282	<0.0625	mg/Kg	1	0.0625	0.25	0.0555
2,6-Dinitrotoluene	U	1	<0.0626	<0.282	<0.0626	mg/Kg	1	0.0626	0.25	0.0556
3-Nitroaniline	U	1	<0.0524	<0.282	<0.0524	mg/Kg	1	0.0524	0.25	0.0465
Acenaphthene	U	1	<0.0628	<0.282	<0.0628	mg/Kg	1	0.0628	0.25	0.0558

continued ...

sample 275033 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	U	1	<0.0940	<0.282	<0.0940	mg/Kg	1	0.0940	0.25	0.0835
Dibenzofuran	U	1	<0.0499	<0.282	<0.0499	mg/Kg	1	0.0499	0.25	0.0443
Pentachlorobenzene	U	1	<0.0540	<0.282	<0.0540	mg/Kg	1	0.0540	0.25	0.048
4-Nitrophenol	U	1	<0.0249	<0.282	<0.0249	mg/Kg	1	0.0249	0.25	0.0221
1-Naphthylamine	U	1	<0.0386	<0.282	<0.0386	mg/Kg	1	0.0386	0.25	0.0343
2,4-Dinitrotoluene	U	1	<0.0710	<0.282	<0.0710	mg/Kg	1	0.0710	0.25	0.0631
2-Naphthylamine	U	1	<0.0568	<0.282	<0.0568	mg/Kg	1	0.0568	0.25	0.0504
2,3,4,6-Tetrachlorophenol	U	1	<0.0238	<0.282	<0.0238	mg/Kg	1	0.0238	0.25	0.0211
Fluorene	U	1	<0.0702	<0.282	<0.0702	mg/Kg	1	0.0702	0.25	0.0623
Diethylphthalate	U	1	<0.0611	<0.282	<0.0611	mg/Kg	1	0.0611	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0529	<0.282	<0.0529	mg/Kg	1	0.0529	0.25	0.047
4-Nitroaniline	U	1	<0.117	<0.282	<0.117	mg/Kg	1	0.117	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,Qr,U	1	<0.0985	<0.282	<0.0985	mg/Kg	1	0.0985	0.25	0.0875
Diphenylamine	U	1	<0.0635	<0.282	<0.0635	mg/Kg	1	0.0635	0.25	0.0564
Diphenylhydrazine	U		<0.0725	<0.282	<0.0725	mg/Kg	1	0.0725	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0576	<0.282	<0.0576	mg/Kg	1	0.0576	0.25	0.0512
Phenacetin	U	1	<0.0588	<0.282	<0.0588	mg/Kg	1	0.0588	0.25	0.0522
Hexachlorobenzene	U	1	<0.0502	<0.282	<0.0502	mg/Kg	1	0.0502	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0396	<0.282	<0.0396	mg/Kg	1	0.0396	0.25	0.0352
Pentachlorophenol	U	1	<0.0653	<0.282	<0.0653	mg/Kg	1	0.0653	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0390	<0.282	<0.0390	mg/Kg	1	0.0390	0.25	0.0346
Pronamide	U	1	<0.0653	<0.282	<0.0653	mg/Kg	1	0.0653	0.25	0.058
Phenanthrene	U	1	<0.0604	<0.282	<0.0604	mg/Kg	1	0.0604	0.25	0.0536
Anthracene	U	1	<0.0406	<0.282	<0.0406	mg/Kg	1	0.0406	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0596	<0.282	<0.0596	mg/Kg	1	0.0596	0.25	0.0529
Fluoranthene	U	1	<0.0384	<0.282	<0.0384	mg/Kg	1	0.0384	0.25	0.0341
Benzidine	U	1	<0.0772	<0.282	<0.0772	mg/Kg	1	0.0772	0.25	0.0686
Pyrene	U	1	<0.0439	<0.282	<0.0439	mg/Kg	1	0.0439	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0591	<0.282	<0.0591	mg/Kg	1	0.0591	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0774	<0.282	<0.0774	mg/Kg	1	0.0774	0.25	0.0687
Benzo(a)anthracene	U	1	<0.0419	<0.282	<0.0419	mg/Kg	1	0.0419	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0552	<0.282	<0.0552	mg/Kg	1	0.0552	0.25	0.049
Chrysene	U	1	<0.0561	<0.282	<0.0561	mg/Kg	1	0.0561	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0794	<0.282	<0.0794	mg/Kg	1	0.0794	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0766	<0.282	0.408	mg/Kg	1	0.0766	0.25	0.068
Benzo(b)fluoranthene	U	1	<0.0430	<0.282	<0.0430	mg/Kg	1	0.0430	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0331	<0.282	<0.0331	mg/Kg	1	0.0331	0.25	0.0294
Benzo(k)fluoranthene	U	1	<0.0528	<0.282	<0.0528	mg/Kg	1	0.0528	0.25	0.0469
Benzo(a)pyrene	U	1	<0.0501	<0.282	<0.0501	mg/Kg	1	0.0501	0.25	0.0445
3-Methylcholanthrene	U	1	<0.0363	<0.282	<0.0363	mg/Kg	1	0.0363	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0727	<0.282	<0.0727	mg/Kg	1	0.0727	0.25	0.0646
Indeno(1,2,3-cd)pyrene	U	1	<0.0484	<0.282	<0.0484	mg/Kg	1	0.0484	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0532	<0.282	<0.0532	mg/Kg	1	0.0532	0.25	0.0472
Benzo(g,h,i)perylene	U	1	<0.0474	<0.282	<0.0474	mg/Kg	1	0.0474	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			1.54	mg/Kg	1	2.67	58	10 - 88
Phenol-d5			1.72	mg/Kg	1	2.67	64	10 - 100
Nitrobenzene-d5			2.10	mg/Kg	1	2.67	79	10 - 89.7
2-Fluorobiphenyl			1.70	mg/Kg	1	2.67	64	13 - 93
2,4,6-Tribromophenol			2.06	mg/Kg	1	2.67	77	10 - 99.4
Terphenyl-d14			1.60	mg/Kg	1	2.67	60	38.9 - 94.4

Sample: 275033 - Dup.-2

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84257	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84305	Date Analyzed:	2011-08-29	Analyzed By:	RR
Prep Batch:	71521	Sample Preparation:	2011-08-24	Prepared By:	KV

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0749	<0.563	<0.0749	mg/Kg	1	0.0749	0.5	0.0665
Total Arsenic		1	**3.93**	**3.93**	<0.215	mg/Kg	1	0.215	2	0.191
Total Barium		1	**93.1**	**93.1**	<0.0184	mg/Kg	1	0.0184	1	0.0163
Total Cadmium	U	1	<0.0250	<0.563	<0.0250	mg/Kg	1	0.0250	0.5	0.0222
Total Chromium		1	**8.26**	**8.26**	<0.0537	mg/Kg	1	0.0537	0.5	0.0477
Total Mercury	U	1	<0.00223	<0.0282	<0.00223	mg/Kg	1	0.00223	0.025	0.00198
Total Lead		1	**2.96**	**2.96**	<0.102	mg/Kg	1	0.102	1	0.0905
Total Selenium	U	1	<0.336	<2.25	<0.336	mg/Kg	1	0.336	2	0.298

Sample: 275033 - Dup.-2

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84159	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71449	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.5	<56.3	<14.5	mg/Kg	1	14.5	50	12.9
>C12-C28	J	1	**18.1**	<56.3	<12.6	mg/Kg	1	12.6	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			104	mg/Kg	1	100	104	55.1 - 140
n-Tricosane			97.7	mg/Kg	1	100	98	65.2 - 142
n-Triacontane			110	mg/Kg	1	100	110	68.8 - 145

Sample: 275033 - Dup.-2

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84125	Date Analyzed:	2011-08-20	Analyzed By:	KB
Prep Batch:	71430	Sample Preparation:	2011-08-20	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.12	<22.5	<7.12	µg/Kg	1	7.12	20	6.32
Dichlorodifluoromethane	U	1	<16.7	<22.5	<16.7	µg/Kg	1	16.7	20	14.8
Chloromethane (methyl chloride)	U	1	<5.30	<22.5	<5.30	µg/Kg	1	5.30	20	4.71
Vinyl Chloride	U	1	<15.1	<22.5	<15.1	µg/Kg	1	15.1	20	13.4
Bromomethane (methyl bromide)	U	1	<7.15	<113	<7.15	µg/Kg	1	7.15	100	6.35
Chloroethane	U	1	<10.6	<22.5	<10.6	µg/Kg	1	10.6	20	9.44
Trichlorofluoromethane	U	1	<16.3	<22.5	<16.3	µg/Kg	1	16.3	20	14.5
Acetone	Qc,U	1	<20.0	<225	<20.0	µg/Kg	1	20.0	200	17.8
Iodomethane (methyl iodide)	U	1	<6.09	<113	<6.09	µg/Kg	1	6.09	100	5.41
Carbon Disulfide	U	1	<6.02	<22.5	<6.02	µg/Kg	1	6.02	20	5.35
Acrylonitrile	U	1	<4.66	<22.5	<4.66	µg/Kg	1	4.66	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.1	<113	<11.1	µg/Kg	1	11.1	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.23	<113	<9.23	µg/Kg	1	9.23	100	8.2
2-Hexanone	Qc,U	1	<9.86	<113	<9.86	µg/Kg	1	9.86	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.55	<225	<5.55	µg/Kg	1	5.55	200	4.93
1,1-Dichloroethene	U	1	<6.52	<22.5	<6.52	µg/Kg	1	6.52	20	5.79
Methylene chloride	JB	1	**22.1**	<113	17.6	µg/Kg	1	7.80	100	6.93
MTBE	U	1	<4.62	<22.5	<4.62	µg/Kg	1	4.62	20	4.1
trans-1,2-Dichloroethene	U	1	<7.08	<22.5	<7.08	µg/Kg	1	7.08	20	6.29
1,1-Dichloroethane	U	1	<6.27	<22.5	<6.27	µg/Kg	1	6.27	20	5.57
cis-1,2-Dichloroethene	U	1	<5.92	<22.5	<5.92	µg/Kg	1	5.92	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.34	<22.5	<6.34	µg/Kg	1	6.34	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.80	<22.5	<5.80	µg/Kg	1	5.80	20	5.15
Chloroform	U	1	<4.68	<22.5	<4.68	µg/Kg	1	4.68	20	4.16
1,1,1-Trichloroethane	U	1	<7.03	<22.5	<7.03	µg/Kg	1	7.03	20	6.24
1,1-Dichloropropene	U	1	<6.66	<22.5	<6.66	µg/Kg	1	6.66	20	5.91
Benzene	U	1	<6.84	<22.5	<6.84	µg/Kg	1	6.84	20	6.07
Carbon Tetrachloride	U	1	<5.75	<22.5	<5.75	µg/Kg	1	5.75	20	5.11
1,2-Dichloropropane	U	1	<6.44	<22.5	<6.44	µg/Kg	1	6.44	20	5.72
Trichloroethene (TCE)	U	1	<7.06	<22.5	<7.06	µg/Kg	1	7.06	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.81	<22.5	<4.81	µg/Kg	1	4.81	20	4.27
Bromodichloromethane	U	1	<8.61	<22.5	<8.61	µg/Kg	1	8.61	20	7.65
2-Chloroethyl vinyl ether	Qc,U	1	<5.93	<22.5	<5.93	µg/Kg	1	5.93	20	5.27

continued . . .

sample 275033 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
cis-1,3-Dichloropropene	U	1	<6.24	<22.5	<6.24	µg/Kg	1	6.24	20	5.54
trans-1,3-Dichloropropene	U	1	<4.68	<22.5	<4.68	µg/Kg	1	4.68	20	4.16
Toluene	U	1	<8.36	<22.5	<8.36	µg/Kg	1	8.36	20	7.42
1,1,2-Trichloroethane	U	1	<7.13	<22.5	<7.13	µg/Kg	1	7.13	20	6.33
1,3-Dichloropropane	U	1	<6.92	<22.5	<6.92	µg/Kg	1	6.92	20	6.15
Dibromochloromethane	U	1	<7.47	<22.5	<7.47	µg/Kg	1	7.47	20	6.63
1,2-Dibromoethane (EDB)	U	1	<6.88	<22.5	<6.88	µg/Kg	1	6.88	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.3	<22.5	<14.3	µg/Kg	1	14.3	20	12.7
Chlorobenzene	U	1	<8.82	<22.5	<8.82	µg/Kg	1	8.82	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.30	<22.5	<5.30	µg/Kg	1	5.30	20	4.71
Ethylbenzene	U	1	<8.67	<22.5	<8.67	µg/Kg	1	8.67	20	7.7
m,p-Xylene	U	1	<16.6	<22.5	<16.6	µg/Kg	1	16.6	20	14.7
Bromoform	U	1	<6.36	<22.5	<6.36	µg/Kg	1	6.36	20	5.65
Styrene	U	1	<8.88	<22.5	<8.88	µg/Kg	1	8.88	20	7.89
o-Xylene	U	1	<8.92	<22.5	<8.92	µg/Kg	1	8.92	20	7.92
1,1,2,2-Tetrachloroethane	Qc,Qs,U	1	<5.80	<22.5	<5.80	µg/Kg	1	5.80	20	5.15
2-Chlorotoluene	U	1	<9.21	<22.5	<9.21	µg/Kg	1	9.21	20	8.18
1,2,3-Trichloropropane	U	1	<8.68	<22.5	<8.68	µg/Kg	1	8.68	20	7.71
Isopropylbenzene	Qc,U	1	<10.3	<22.5	<10.3	µg/Kg	1	10.3	20	9.13
Bromobenzene	U	1	<7.57	<22.5	<7.57	µg/Kg	1	7.57	20	6.72
n-Propylbenzene	U	1	<8.52	<22.5	<8.52	µg/Kg	1	8.52	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.72	<22.5	<9.72	µg/Kg	1	9.72	20	8.63
tert-Butylbenzene	Qc,U	1	<9.06	<22.5	<9.06	µg/Kg	1	9.06	20	8.05
1,2,4-Trimethylbenzene	U	1	<8.82	<22.5	<8.82	µg/Kg	1	8.82	20	7.83
1,4-Dichlorobenzene (para)	U	1	<9.83	<22.5	<9.83	µg/Kg	1	9.83	20	8.73
sec-Butylbenzene	U	1	<8.19	<22.5	<8.19	µg/Kg	1	8.19	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.04	<22.5	<8.04	µg/Kg	1	8.04	20	7.14
p-Isopropyltoluene	J		**8.64**	<22.5	<7.06	µg/Kg	1	7.06	20	6.27
4-Chlorotoluene	U	1	<10.5	<22.5	<10.5	µg/Kg	1	10.5	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.2	<22.5	<10.2	µg/Kg	1	10.2	20	9.1
n-Butylbenzene	U	1	<8.21	<22.5	<8.21	µg/Kg	1	8.21	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.57	<113	<8.57	µg/Kg	1	8.57	100	7.61
1,2,3-Trichlorobenzene	Qc,Qs,U	1	<8.24	<113	<8.24	µg/Kg	1	8.24	100	7.32
1,2,4-Trichlorobenzene	Qc,Qs,U	1	<7.50	<113	8.01	µg/Kg	1	7.50	100	6.66
Naphthalene	JB,Qc,Qs	1	**41.4**	<113	43.7	µg/Kg	1	8.63	100	7.66
Hexachlorobutadiene	JB	1	**28.4**	<113	44.8	µg/Kg	1	13.8	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			933	µg/Kg	1	1000	93	70 - 130
Toluene-d8			989	µg/Kg	1	1000	99	70 - 130
4-Bromofluorobenzene (4-BFB)			916	µg/Kg	1	1000	92	70 - 130

Method Blanks

Method Blank (1)

QC Batch: 84100 | Date Analyzed: 2011-08-19 | Analyzed By: KB
Prep Batch: 71410 | QC Preparation: 2011-08-19 | Prepared By: KB

Parameter	F	C	Result	Units	Reporting Limits
Bromochloromethane		1	<6.32	µg/Kg	6.32
Dichlorodifluoromethane		1	<14.8	µg/Kg	14.8
Chloromethane (methyl chloride)		1	<4.71	µg/Kg	4.71
Vinyl Chloride		1	<13.4	µg/Kg	13.4
Bromomethane (methyl bromide)		1	<6.35	µg/Kg	6.35
Chloroethane		1	<9.44	µg/Kg	9.44
Trichlorofluoromethane		1	<14.5	µg/Kg	14.5
Acetone		1	<17.8	µg/Kg	17.8
Iodomethane (methyl iodide)		1	<5.41	µg/Kg	5.41
Carbon Disulfide		1	<5.35	µg/Kg	5.35
Acrylonitrile		1	<4.14	µg/Kg	4.14
2-Butanone (MEK)		1	<9.84	µg/Kg	9.84
4-Methyl-2-pentanone (MIBK)		1	<8.20	µg/Kg	8.2
2-Hexanone		1	<8.76	µg/Kg	8.76
trans 1,4-Dichloro-2-butene		1	<4.93	µg/Kg	4.93
1,1-Dichloroethene		1	<5.79	µg/Kg	5.79
Methylene chloride		1	13.8	µg/Kg	6.93
MTBE		1	<4.10	µg/Kg	4.1
trans-1,2-Dichloroethene		1	<6.29	µg/Kg	6.29
1,1-Dichloroethane		1	<5.57	µg/Kg	5.57
cis-1,2-Dichloroethene		1	<5.26	µg/Kg	5.26
2,2-Dichloropropane		1	<5.63	µg/Kg	5.63
1,2-Dichloroethane (EDC)		1	<5.15	µg/Kg	5.15
Chloroform		1	<4.16	µg/Kg	4.16
1,1,1-Trichloroethane		1	<6.24	µg/Kg	6.24
1,1-Dichloropropene		1	<5.91	µg/Kg	5.91
Benzene		1	<6.07	µg/Kg	6.07
Carbon Tetrachloride		1	<5.11	µg/Kg	5.11
1,2-Dichloropropane		1	<5.72	µg/Kg	5.72
Trichloroethene (TCE)		1	<6.27	µg/Kg	6.27
Dibromomethane (methylene bromide)		1	<4.27	µg/Kg	4.27
Bromodichloromethane		1	<7.65	µg/Kg	7.65
2-Chloroethyl vinyl ether		1	<5.27	µg/Kg	5.27
cis-1,3-Dichloropropene		1	<5.54	µg/Kg	5.54
trans-1,3-Dichloropropene		1	<4.16	µg/Kg	4.16
Toluene		1	<7.42	µg/Kg	7.42
1,1,2-Trichloroethane		1	<6.33	µg/Kg	6.33
1,3-Dichloropropane		1	<6.15	µg/Kg	6.15
Dibromochloromethane		1	<6.63	µg/Kg	6.63

continued . . .

method blank continued ...

Parameter	F	C	Result	Units	Reporting Limits
1,2-Dibromoethane (EDB)		1	<6.11	µg/Kg	6.11
Tetrachloroethene (PCE)		1	<12.7	µg/Kg	12.7
Chlorobenzene		1	<7.83	µg/Kg	7.83
1,1,1,2-Tetrachloroethane		1	<4.71	µg/Kg	4.71
Ethylbenzene		1	<7.70	µg/Kg	7.7
m,p-Xylene		1	<14.7	µg/Kg	14.7
Bromoform		1	<5.65	µg/Kg	5.65
Styrene		1	<7.89	µg/Kg	7.89
o-Xylene		1	<7.92	µg/Kg	7.92
1,1,2,2-Tetrachloroethane		1	<5.15	µg/Kg	5.15
2-Chlorotoluene		1	<8.18	µg/Kg	8.18
1,2,3-Trichloropropane		1	<7.71	µg/Kg	7.71
Isopropylbenzene		1	<9.13	µg/Kg	9.13
Bromobenzene		1	<6.72	µg/Kg	6.72
n-Propylbenzene		1	<7.57	µg/Kg	7.57
1,3,5-Trimethylbenzene		1	<8.63	µg/Kg	8.63
tert-Butylbenzene		1	<8.05	µg/Kg	8.05
1,2,4-Trimethylbenzene		1	<7.83	µg/Kg	7.83
1,4-Dichlorobenzene (para)		1	<8.73	µg/Kg	8.73
sec-Butylbenzene		1	<7.27	µg/Kg	7.27
1,3-Dichlorobenzene (meta)		1	<7.14	µg/Kg	7.14
p-Isopropyltoluene			<6.27	µg/Kg	6.27
4-Chlorotoluene		1	<9.32	µg/Kg	9.32
1,2-Dichlorobenzene (ortho)		1	<9.10	µg/Kg	9.1
n-Butylbenzene		1	7.51	µg/Kg	7.29
1,2-Dibromo-3-chloropropane			<7.61	µg/Kg	7.61
1,2,3-Trichlorobenzene		1	21.8	µg/Kg	7.32
1,2,4-Trichlorobenzene		1	13.6	µg/Kg	6.66
Naphthalene		1	52.4	µg/Kg	7.66
Hexachlorobutadiene		1	38.7	µg/Kg	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			947	µg/Kg	1	1000	95	70 - 130
Toluene-d8			986	µg/Kg	1	1000	99	70 - 130
4-Bromofluorobenzene (4-BFB)			920	µg/Kg	1	1000	92	70 - 130

Method Blank (1)

QC Batch: 84122 | Date Analyzed: 2011-08-22 | Analyzed By: RR
Prep Batch: 71419 | QC Preparation: 2011-08-22 | Prepared By: KV

Parameter	F	C	Result	Units	Reporting Limits
Total Silver		1	<0.0369	mg/Kg	0.0369
Total Arsenic		1	<0.274	mg/Kg	0.274
Total Barium		1	<0.228	mg/Kg	0.228
Total Cadmium		1	<0.0558	mg/Kg	0.0558
Total Chromium		1	<0.134	mg/Kg	0.134
Total Lead		1	<0.196	mg/Kg	0.196
Total Selenium		1	<0.212	mg/Kg	0.212

Method Blank (1)

QC Batch: 84125 | Date Analyzed: 2011-08-20 | Analyzed By: KB
Prep Batch: 71430 | QC Preparation: 2011-08-20 | Prepared By: KB

Parameter	F	C	Result	Units	Reporting Limits
Bromochloromethane		1	<6.32	µg/Kg	6.32
Dichlorodifluoromethane		1	<14.8	µg/Kg	14.8
Chloromethane (methyl chloride)		1	<4.71	µg/Kg	4.71
Vinyl Chloride		1	<13.4	µg/Kg	13.4
Bromomethane (methyl bromide)		1	<6.35	µg/Kg	6.35
Chloroethane		1	<9.44	µg/Kg	9.44
Trichlorofluoromethane		1	<14.5	µg/Kg	14.5
Acetone		1	<17.8	µg/Kg	17.8
Iodomethane (methyl iodide)		1	<5.41	µg/Kg	5.41
Carbon Disulfide		1	<5.35	µg/Kg	5.35
Acrylonitrile		1	<4.14	µg/Kg	4.14
2-Butanone (MEK)		1	<9.84	µg/Kg	9.84
4-Methyl-2-pentanone (MIBK)		1	<8.20	µg/Kg	8.2
2-Hexanone		1	<8.76	µg/Kg	8.76
trans 1,4-Dichloro-2-butene		1	<4.93	µg/Kg	4.93
1,1-Dichloroethene		1	<5.79	µg/Kg	5.79
Methylene chloride		1	15.6	µg/Kg	6.93
MTBE		1	<4.10	µg/Kg	4.1
trans-1,2-Dichloroethene		1	<6.29	µg/Kg	6.29
1,1-Dichloroethane		1	<5.57	µg/Kg	5.57
cis-1,2-Dichloroethene		1	<5.26	µg/Kg	5.26
2,2-Dichloropropane		1	<5.63	µg/Kg	5.63
1,2-Dichloroethane (EDC)		1	<5.15	µg/Kg	5.15
Chloroform		1	<4.16	µg/Kg	4.16
1,1,1-Trichloroethane		1	<6.24	µg/Kg	6.24
1,1-Dichloropropene		1	<5.91	µg/Kg	5.91
Benzene		1	<6.07	µg/Kg	6.07
Carbon Tetrachloride		1	<5.11	µg/Kg	5.11
1,2-Dichloropropane		1	<5.72	µg/Kg	5.72
Trichloroethene (TCE)		1	<6.27	µg/Kg	6.27

continued . . .

method blank continued ...

Parameter	F	C	Result	Units	Reporting Limits
Dibromomethane (methylene bromide)		1	<4.27	µg/Kg	4.27
Bromodichloromethane		1	<7.65	µg/Kg	7.65
2-Chloroethyl vinyl ether		1	<5.27	µg/Kg	5.27
cis-1,3-Dichloropropene		1	<5.54	µg/Kg	5.54
trans-1,3-Dichloropropene		1	<4.16	µg/Kg	4.16
Toluene		1	<7.42	µg/Kg	7.42
1,1,2-Trichloroethane		1	<6.33	µg/Kg	6.33
1,3-Dichloropropane		1	<6.15	µg/Kg	6.15
Dibromochloromethane		1	<6.63	µg/Kg	6.63
1,2-Dibromoethane (EDB)		1	<6.11	µg/Kg	6.11
Tetrachloroethene (PCE)		1	<12.7	µg/Kg	12.7
Chlorobenzene		1	<7.83	µg/Kg	7.83
1,1,1,2-Tetrachloroethane		1	<4.71	µg/Kg	4.71
Ethylbenzene		1	<7.70	µg/Kg	7.7
m,p-Xylene		1	<14.7	µg/Kg	14.7
Bromoform		1	<5.65	µg/Kg	5.65
Styrene		1	<7.89	µg/Kg	7.89
o-Xylene		1	<7.92	µg/Kg	7.92
1,1,2,2-Tetrachloroethane		1	<5.15	µg/Kg	5.15
2-Chlorotoluene		1	<8.18	µg/Kg	8.18
1,2,3-Trichloropropane		1	<7.71	µg/Kg	7.71
Isopropylbenzene		1	<9.13	µg/Kg	9.13
Bromobenzene		1	<6.72	µg/Kg	6.72
n-Propylbenzene		1	<7.57	µg/Kg	7.57
1,3,5-Trimethylbenzene		1	<8.63	µg/Kg	8.63
tert-Butylbenzene		1	<8.05	µg/Kg	8.05
1,2,4-Trimethylbenzene		1	<7.83	µg/Kg	7.83
1,4-Dichlorobenzene (para)		1	<8.73	µg/Kg	8.73
sec-Butylbenzene		1	<7.27	µg/Kg	7.27
1,3-Dichlorobenzene (meta)		1	<7.14	µg/Kg	7.14
p-Isopropyltoluene			<6.27	µg/Kg	6.27
4-Chlorotoluene		1	<9.32	µg/Kg	9.32
1,2-Dichlorobenzene (ortho)		1	<9.10	µg/Kg	9.1
n-Butylbenzene		1	<7.29	µg/Kg	7.29
1,2-Dibromo-3-chloropropane			<7.61	µg/Kg	7.61
1,2,3-Trichlorobenzene		1	<7.32	µg/Kg	7.32
1,2,4-Trichlorobenzene		1	7.11	µg/Kg	6.66
Naphthalene		1	38.8	µg/Kg	7.66
Hexachlorobutadiene		1	39.8	µg/Kg	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			967	µg/Kg	1	1000	97	70 - 130
Toluene-d8			998	µg/Kg	1	1000	100	70 - 130
4-Bromofluorobenzene (4-BFB)			900	µg/Kg	1	1000	90	70 - 130

Method Blank (1)

QC Batch: 84158 | Date Analyzed: 2011-08-21 | Analyzed By: BP
Prep Batch: 71448 | QC Preparation: 2011-08-19 | Prepared By: EB

Parameter	F	C	Result	Units	Reporting Limits
C6-C12		1	<12.9	mg/Kg	12.9
>C12-C28		1	<11.2	mg/Kg	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			97.5	mg/Kg	1	100	98	55.1 - 140
n-Tricosane			93.3	mg/Kg	1	100	93	65.2 - 142
n-Triacontane			100	mg/Kg	1	100	100	68.8 - 145

Method Blank (1)

QC Batch: 84159 | Date Analyzed: 2011-08-21 | Analyzed By: BP
Prep Batch: 71449 | QC Preparation: 2011-08-19 | Prepared By: EB

Parameter	F	C	Result	Units	Reporting Limits
C6-C12		1	<12.9	mg/Kg	12.9
>C12-C28		1	<11.2	mg/Kg	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			136	mg/Kg	1	100	136	55.1 - 140
n-Tricosane			93.5	mg/Kg	1	100	94	65.2 - 142
n-Triacontane			110	mg/Kg	1	100	110	68.8 - 145

Method Blank (1)

QC Batch: 84211 | Date Analyzed: 2011-08-24 | Analyzed By: MN
Prep Batch: 71498 | QC Preparation: 2011-08-23 | Prepared By: MN

Parameter	F	C	Result	Units	Reporting Limits
Pyridine		1	<0.0360	mg/Kg	0.036
N-Nitrosodimethylamine		1	<0.0663	mg/Kg	0.0663
2-Picoline		1	<0.0564	mg/Kg	0.0564
Methyl methanesulfonate		1	<0.0517	mg/Kg	0.0517
Ethyl methanesulfonate		1	<0.0564	mg/Kg	0.0564

continued . . .

method blank continued ...

Parameter	F	C	Result	Units	Reporting Limits
Phenol		1	<0.0440	mg/Kg	0.044
Aniline		1	<0.0521	mg/Kg	0.0521
bis(2-chloroethyl)ether		1	<0.0481	mg/Kg	0.0481
2-Chlorophenol		1	<0.0448	mg/Kg	0.0448
1,3-Dichlorobenzene (meta)		1	<0.0343	mg/Kg	0.0343
1,4-Dichlorobenzene (para)		1	<0.0287	mg/Kg	0.0287
Benzyl alcohol		1	<0.0254	mg/Kg	0.0254
1,2-Dichlorobenzene (ortho)		1	<0.0583	mg/Kg	0.0583
2-Methylphenol		1	<0.0360	mg/Kg	0.036
bis(2-chloroisopropyl)ether		1	<0.0539	mg/Kg	0.0539
4-Methylphenol / 3-Methylphenol		1	<0.0586	mg/Kg	0.0586
Acetophenone		1	<0.0339	mg/Kg	0.0339
N-Nitrosodi-n-propylamine		1	<0.0529	mg/Kg	0.0529
Hexachloroethane		1	<0.0526	mg/Kg	0.0526
Nitrobenzene		1	<0.0414	mg/Kg	0.0414
N-Nitrosopiperidine		1	<0.0481	mg/Kg	0.0481
Isophorone		1	<0.0540	mg/Kg	0.054
2-Nitrophenol		1	<0.0471	mg/Kg	0.0471
2,4-Dimethylphenol		1	<0.0398	mg/Kg	0.0398
bis(2-chloroethoxy)methane		1	<0.0514	mg/Kg	0.0514
Benzoic acid		1	<0.0398	mg/Kg	0.0398
2,4-Dichlorophenol		1	<0.0310	mg/Kg	0.031
1,2,4-Trichlorobenzene		1	<0.0338	mg/Kg	0.0338
Naphthalene		1	<0.0543	mg/Kg	0.0543
4-Chloroaniline		1	<0.0410	mg/Kg	0.041
2,6-Dichlorophenol		1	<0.0351	mg/Kg	0.0351
Hexachlorobutadiene		1	<0.0388	mg/Kg	0.0388
N-Nitroso-di-n-butylamine		1	<0.0549	mg/Kg	0.0549
4-Chloro-3-methylphenol		1	<0.0266	mg/Kg	0.0266
1-Methylnaphthalene			<0.0526	mg/Kg	0.0526
2-Methylnaphthalene		1	<0.0482	mg/Kg	0.0482
1,2,4,5-Tetrachlorobenzene		1	<0.0387	mg/Kg	0.0387
Hexachlorocyclopentadiene		1	<0.0978	mg/Kg	0.0978
2,4,6-Trichlorophenol		1	<0.0444	mg/Kg	0.0444
2,4,5-Trichlorophenol		1	<0.0564	mg/Kg	0.0564
2-Chloronaphthalene		1	<0.0471	mg/Kg	0.0471
1-Chloronaphthalene		1	<0.0589	mg/Kg	0.0589
2-Nitroaniline		1	<0.0410	mg/Kg	0.041
Dimethylphthalate		1	<0.0620	mg/Kg	0.062
Acenaphthylene		1	<0.0555	mg/Kg	0.0555
2,6-Dinitrotoluene		1	<0.0556	mg/Kg	0.0556
3-Nitroaniline		1	<0.0465	mg/Kg	0.0465
Acenaphthene		1	<0.0558	mg/Kg	0.0558
2,4-Dinitrophenol		1	<0.0835	mg/Kg	0.0835
Dibenzofuran		1	<0.0443	mg/Kg	0.0443
Pentachlorobenzene		1	<0.0480	mg/Kg	0.048
4-Nitrophenol		1	<0.0221	mg/Kg	0.0221

continued ...

method blank continued ...

Parameter	F	C	Result	Units	Reporting Limits
1-Naphthylamine		1	<0.0343	mg/Kg	0.0343
2,4-Dinitrotoluene		1	<0.0631	mg/Kg	0.0631
2-Naphthylamine		1	<0.0504	mg/Kg	0.0504
2,3,4,6-Tetrachlorophenol		1	<0.0211	mg/Kg	0.0211
Fluorene		1	<0.0623	mg/Kg	0.0623
Diethylphthalate		1	<0.0543	mg/Kg	0.0543
4-Chlorophenyl-phenylether		1	<0.0470	mg/Kg	0.047
4-Nitroaniline		1	<0.104	mg/Kg	0.104
4,6-Dinitro-2-methylphenol		1	<0.0875	mg/Kg	0.0875
Diphenylamine		1	<0.0564	mg/Kg	0.0564
Diphenylhydrazine			<0.0644	mg/Kg	0.0644
4-Bromophenyl-phenylether		1	<0.0512	mg/Kg	0.0512
Phenacetin		1	<0.0522	mg/Kg	0.0522
Hexachlorobenzene		1	<0.0446	mg/Kg	0.0446
4-Aminobiphenyl		1	<0.0352	mg/Kg	0.0352
Pentachlorophenol		1	<0.0580	mg/Kg	0.058
Pentachloronitrobenzene		1	<0.0346	mg/Kg	0.0346
Pronamide		1	<0.0580	mg/Kg	0.058
Phenanthrene		1	<0.0536	mg/Kg	0.0536
Anthracene		1	<0.0361	mg/Kg	0.0361
Di-n-butylphthalate		1	<0.0529	mg/Kg	0.0529
Fluoranthene		1	<0.0341	mg/Kg	0.0341
Benzidine		1	<0.0686	mg/Kg	0.0686
Pyrene		1	<0.0390	mg/Kg	0.039
p-Dimethylaminoazobenzene			<0.0525	mg/Kg	0.0525
Butylbenzylphthalate		1	<0.0687	mg/Kg	0.0687
Benzo(a)anthracene		1	<0.0372	mg/Kg	0.0372
3,3-Dichlorobenzidine		1	<0.0490	mg/Kg	0.049
Chrysene		1	<0.0498	mg/Kg	0.0498
bis(2-ethylhexyl)phthalate		1	<0.0705	mg/Kg	0.0705
Di-n-octylphthalate		1	0.362	mg/Kg	0.068
Benzo(b)fluoranthene		1	<0.0382	mg/Kg	0.0382
7,12-Dimethylbenz(a)anthracene		1	<0.0294	mg/Kg	0.0294
Benzo(k)fluoranthene		1	<0.0469	mg/Kg	0.0469
Benzo(a)pyrene		1	<0.0445	mg/Kg	0.0445
3-Methylcholanthrene		1	<0.0322	mg/Kg	0.0322
Dibenzo(a,j)acridine		1	<0.0646	mg/Kg	0.0646
Indeno(1,2,3-cd)pyrene		1	<0.0430	mg/Kg	0.043
Dibenzo(a,h)anthracene		1	<0.0472	mg/Kg	0.0472
Benzo(g,h,i)perylene		1	<0.0421	mg/Kg	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			1.02	mg/Kg	1	2.67	38	10 - 88
Phenol-d5			1.15	mg/Kg	1	2.67	43	10 - 100
Nitrobenzene-d5			1.33	mg/Kg	1	2.67	50	10 - 89.7
2-Fluorobiphenyl			1.13	mg/Kg	1	2.67	42	13 - 93

continued ...

method blank continued ...

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,6-Tribromophenol			1.38	mg/Kg	1	2.67	52	10 - 99.4
Terphenyl-d14			1.54	mg/Kg	1	2.67	58	38.9 - 94.4

Method Blank (1)

QC Batch: 84212 | Date Analyzed: 2011-08-24 | Analyzed By: MN
Prep Batch: 71499 | QC Preparation: 2011-08-23 | Prepared By: MN

Parameter	F	C	Result	Units	Reporting Limits
Pyridine		1	<0.0360	mg/Kg	0.036
N-Nitrosodimethylamine		1	<0.0663	mg/Kg	0.0663
2-Picoline		1	<0.0564	mg/Kg	0.0564
Methyl methanesulfonate		1	<0.0517	mg/Kg	0.0517
Ethyl methanesulfonate		1	<0.0564	mg/Kg	0.0564
Phenol		1	<0.0440	mg/Kg	0.044
Aniline		1	<0.0521	mg/Kg	0.0521
bis(2-chloroethyl)ether		1	<0.0481	mg/Kg	0.0481
2-Chlorophenol		1	<0.0448	mg/Kg	0.0448
1,3-Dichlorobenzene (meta)		1	<0.0343	mg/Kg	0.0343
1,4-Dichlorobenzene (para)		1	<0.0287	mg/Kg	0.0287
Benzyl alcohol		1	<0.0254	mg/Kg	0.0254
1,2-Dichlorobenzene (ortho)		1	<0.0583	mg/Kg	0.0583
2-Methylphenol		1	<0.0360	mg/Kg	0.036
bis(2-chloroisopropyl)ether		1	<0.0539	mg/Kg	0.0539
4-Methylphenol / 3-Methylphenol		1	<0.0586	mg/Kg	0.0586
Acetophenone		1	<0.0339	mg/Kg	0.0339
N-Nitrosodi-n-propylamine		1	<0.0529	mg/Kg	0.0529
Hexachloroethane		1	<0.0526	mg/Kg	0.0526
Nitrobenzene		1	<0.0414	mg/Kg	0.0414
N-Nitrosopiperidine		1	<0.0481	mg/Kg	0.0481
Isophorone		1	<0.0540	mg/Kg	0.054
2-Nitrophenol		1	<0.0471	mg/Kg	0.0471
2,4-Dimethylphenol		1	<0.0398	mg/Kg	0.0398
bis(2-chloroethoxy)methane		1	<0.0514	mg/Kg	0.0514
Benzoic acid		1	<0.0398	mg/Kg	0.0398
2,4-Dichlorophenol		1	<0.0310	mg/Kg	0.031
1,2,4-Trichlorobenzene		1	<0.0338	mg/Kg	0.0338
Naphthalene		1	<0.0543	mg/Kg	0.0543
4-Chloroaniline		1	<0.0410	mg/Kg	0.041
2,6-Dichlorophenol		1	<0.0351	mg/Kg	0.0351
Hexachlorobutadiene		1	<0.0388	mg/Kg	0.0388
N-Nitroso-di-n-butylamine		1	<0.0549	mg/Kg	0.0549
4-Chloro-3-methylphenol		1	<0.0266	mg/Kg	0.0266

continued ...

method blank continued ...

Parameter	F	C	Result	Units	Reporting Limits
1-Methylnaphthalene			<0.0526	mg/Kg	0.0526
2-Methylnaphthalene		1	<0.0482	mg/Kg	0.0482
1,2,4,5-Tetrachlorobenzene		1	<0.0387	mg/Kg	0.0387
Hexachlorocyclopentadiene		1	<0.0978	mg/Kg	0.0978
2,4,6-Trichlorophenol		1	<0.0444	mg/Kg	0.0444
2,4,5-Trichlorophenol		1	<0.0564	mg/Kg	0.0564
2-Chloronaphthalene		1	<0.0471	mg/Kg	0.0471
1-Chloronaphthalene		1	<0.0589	mg/Kg	0.0589
2-Nitroaniline		1	<0.0410	mg/Kg	0.041
Dimethylphthalate		1	<0.0620	mg/Kg	0.062
Acenaphthylene		1	<0.0555	mg/Kg	0.0555
2,6-Dinitrotoluene		1	<0.0556	mg/Kg	0.0556
3-Nitroaniline		1	<0.0465	mg/Kg	0.0465
Acenaphthene		1	<0.0558	mg/Kg	0.0558
2,4-Dinitrophenol		1	<0.0835	mg/Kg	0.0835
Dibenzofuran		1	<0.0443	mg/Kg	0.0443
Pentachlorobenzene		1	<0.0480	mg/Kg	0.048
4-Nitrophenol		1	<0.0221	mg/Kg	0.0221
1-Naphthylamine		1	<0.0343	mg/Kg	0.0343
2,4-Dinitrotoluene		1	<0.0631	mg/Kg	0.0631
2-Naphthylamine		1	<0.0504	mg/Kg	0.0504
2,3,4,6-Tetrachlorophenol		1	<0.0211	mg/Kg	0.0211
Fluorene		1	<0.0623	mg/Kg	0.0623
Diethylphthalate		1	<0.0543	mg/Kg	0.0543
4-Chlorophenyl-phenylether		1	<0.0470	mg/Kg	0.047
4-Nitroaniline		1	<0.104	mg/Kg	0.104
4,6-Dinitro-2-methylphenol		1	<0.0875	mg/Kg	0.0875
Diphenylamine		1	<0.0564	mg/Kg	0.0564
Diphenylhydrazine			<0.0644	mg/Kg	0.0644
4-Bromophenyl-phenylether		1	<0.0512	mg/Kg	0.0512
Phenacetin		1	<0.0522	mg/Kg	0.0522
Hexachlorobenzene		1	<0.0446	mg/Kg	0.0446
4-Aminobiphenyl		1	<0.0352	mg/Kg	0.0352
Pentachlorophenol		1	<0.0580	mg/Kg	0.058
Pentachloronitrobenzene		1	<0.0346	mg/Kg	0.0346
Pronamide		1	<0.0580	mg/Kg	0.058
Phenanthrene		1	<0.0536	mg/Kg	0.0536
Anthracene		1	<0.0361	mg/Kg	0.0361
Di-n-butylphthalate		1	<0.0529	mg/Kg	0.0529
Fluoranthene		1	<0.0341	mg/Kg	0.0341
Benzidine		1	<0.0686	mg/Kg	0.0686
Pyrene		1	<0.0390	mg/Kg	0.039
p-Dimethylaminoazobenzene			<0.0525	mg/Kg	0.0525
Butylbenzylphthalate		1	<0.0687	mg/Kg	0.0687
Benzo(a)anthracene		1	<0.0372	mg/Kg	0.0372
3,3-Dichlorobenzidine		1	<0.0490	mg/Kg	0.049
Chrysene		1	<0.0498	mg/Kg	0.0498

continued ...

method blank continued ...

Parameter	F	C	Result	Units	Reporting Limits
bis(2-ethylhexyl)phthalate		1	<0.0705	mg/Kg	0.0705
Di-n-octylphthalate		1	<0.0680	mg/Kg	0.068
Benzo(b)fluoranthene		1	<0.0382	mg/Kg	0.0382
7,12-Dimethylbenz(a)anthracene		1	<0.0294	mg/Kg	0.0294
Benzo(k)fluoranthene		1	<0.0469	mg/Kg	0.0469
Benzo(a)pyrene		1	<0.0445	mg/Kg	0.0445
3-Methylcholanthrene		1	<0.0322	mg/Kg	0.0322
Dibenzo(a,j)acridine		1	<0.0646	mg/Kg	0.0646
Indeno(1,2,3-cd)pyrene		1	<0.0430	mg/Kg	0.043
Dibenzo(a,h)anthracene		1	<0.0472	mg/Kg	0.0472
Benzo(g,h,i)perylene		1	<0.0421	mg/Kg	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.827	mg/Kg	1	2.67	31	10 - 88
Phenol-d5			0.992	mg/Kg	1	2.67	37	10 - 100
Nitrobenzene-d5			1.13	mg/Kg	1	2.67	42	10 - 89.7
2-Fluorobiphenyl			0.952	mg/Kg	1	2.67	36	13 - 93
2,4,6-Tribromophenol			1.23	mg/Kg	1	2.67	46	10 - 99.4
Terphenyl-d14			1.21	mg/Kg	1	2.67	45	38.9 - 94.4

Method Blank (1)

QC Batch: 84229 | Date Analyzed: 2011-08-24 | Analyzed By: DS
Prep Batch: 71517 | QC Preparation: 2011-08-24 | Prepared By: DS

Parameter	F	C	Result	Units	Reporting Limits
Total PCB		1	<0.00115	mg/Kg	0.00115
Aroclor 1016 (PCB-1016)		1	<0.00120	mg/Kg	0.0012
Aroclor 1221 (PCB-1221)		1	<0.00128	mg/Kg	0.00128
Aroclor 1232 (PCB-1232)		1	<0.00144	mg/Kg	0.00144
Aroclor 1242 (PCB-1242)		1	<0.00150	mg/Kg	0.0015
Aroclor 1248 (PCB-1248)		1	<0.00115	mg/Kg	0.00115
Aroclor 1254 (PCB-1254)		1	<0.00132	mg/Kg	0.00132
Aroclor 1260 (PCB-1260)		1	<0.00121	mg/Kg	0.00121
Aroclor 1268 (PCB-1268)			<0.00140	mg/Kg	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0127	mg/Kg	1	0.0167	76	58.7 - 121

Method Blank (1)

QC Batch: 84230 | Date Analyzed: 2011-08-24 | Analyzed By: DS
Prep Batch: 71517 | QC Preparation: 2011-08-24 | Prepared By: DS

Parameter	F	C	Result	Units	Reporting Limits
Total PCB		1	<0.00115	mg/Kg	0.00115
Aroclor 1016 (PCB-1016)		1	<0.00120	mg/Kg	0.0012
Aroclor 1221 (PCB-1221)		1	<0.00128	mg/Kg	0.00128
Aroclor 1232 (PCB-1232)		1	<0.00144	mg/Kg	0.00144
Aroclor 1242 (PCB-1242)		1	<0.00150	mg/Kg	0.0015
Aroclor 1248 (PCB-1248)		1	<0.00115	mg/Kg	0.00115
Aroclor 1254 (PCB-1254)		1	<0.00132	mg/Kg	0.00132
Aroclor 1260 (PCB-1260)		1	<0.00121	mg/Kg	0.00121
Aroclor 1268 (PCB-1268)			<0.00140	mg/Kg	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0112	mg/Kg	1	0.0167	67	58.7 - 121

Method Blank (1)

QC Batch: 84256 | Date Analyzed: 2011-08-25 | Analyzed By: TP
Prep Batch: 71528 | QC Preparation: 2011-08-25 | Prepared By: TP

Parameter	F	C	Result	Units	Reporting Limits
Total Mercury		1	<0.00198	mg/Kg	0.00198

Method Blank (1)

QC Batch: 84257 | Date Analyzed: 2011-08-25 | Analyzed By: TP
Prep Batch: 71528 | QC Preparation: 2011-08-25 | Prepared By: TP

Parameter	F	C	Result	Units	Reporting Limits
Total Mercury		1	<0.00198	mg/Kg	0.00198

Method Blank (1)

QC Batch: 84305 | Date Analyzed: 2011-08-29 | Analyzed By: RR
Prep Batch: 71521 | QC Preparation: 2011-08-25 | Prepared By: KV

Parameter	F	C	Result	Units	Reporting Limits
Total Silver		1	<0.0665	mg/Kg	0.0665
Total Arsenic		1	<0.191	mg/Kg	0.191
Total Barium		1	<0.0163	mg/Kg	0.0163
Total Cadmium		1	<0.0222	mg/Kg	0.0222
Total Chromium		1	<0.0477	mg/Kg	0.0477
Total Lead		1	<0.0905	mg/Kg	0.0905
Total Selenium		1	<0.298	mg/Kg	0.298

Duplicate (1) Duplicated Sample: 275024

QC Batch: 84116 | Date Analyzed: 2011-08-22 | Analyzed By: CR
Prep Batch: 71423 | QC Preparation: 2011-08-22 | Prepared By: CR

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Moisture		1	18.7	18.5	%	1	1	20

Duplicate (1) Duplicated Sample: 275033

QC Batch: 84117 | Date Analyzed: 2011-08-22 | Analyzed By: CR
Prep Batch: 71424 | QC Preparation: 2011-08-22 | Prepared By: CR

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Moisture		1	11.4	11.2	%	1	2	20

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 84100 | Date Analyzed: 2011-08-19 | Analyzed By: KB
Prep Batch: 71410 | QC Preparation: 2011-08-19 | Prepared By: KB

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		1	1020	µg/Kg	1	1000	<6.32	102	84.1 - 125
Dichlorodifluoromethane		1	895	µg/Kg	1	1000	<14.8	90	26.3 - 150
Chloromethane (methyl chloride)		1	895	µg/Kg	1	1000	<4.71	90	53.3 - 141
Vinyl Chloride		1	972	µg/Kg	1	1000	<13.4	97	60.8 - 131
Bromomethane (methyl bromide)		1	905	µg/Kg	1	1000	<6.35	90	30.4 - 169
Chloroethane		1	907	µg/Kg	1	1000	<9.44	91	51.8 - 147
Trichlorofluoromethane		1	1050	µg/Kg	1	1000	<14.5	105	34.8 - 161
Acetone		1	1080	µg/Kg	1	1000	<17.8	108	24.1 - 188
Iodomethane (methyl iodide)		1	980	µg/Kg	1	1000	<5.41	98	82.4 - 134
Carbon Disulfide		1	996	µg/Kg	1	1000	<5.35	100	77.8 - 132
Acrylonitrile		1	902	µg/Kg	1	1000	<4.14	90	68.8 - 137
2-Butanone (MEK)		1	937	µg/Kg	1	1000	<9.84	94	53.8 - 140
4-Methyl-2-pentanone (MIBK)		1	949	µg/Kg	1	1000	<8.20	95	64.9 - 144
2-Hexanone		1	898	µg/Kg	1	1000	<8.76	90	54.3 - 153
trans 1,4-Dichloro-2-butene		1	705	µg/Kg	1	1000	<4.93	70	40.6 - 175
1,1-Dichloroethene		1	982	µg/Kg	1	1000	<5.79	98	68.5 - 137
Methylene chloride		1	994	µg/Kg	1	1000	13.8	99	76.2 - 135
MTBE		1	989	µg/Kg	1	1000	<4.10	99	58 - 152
trans-1,2-Dichloroethene		1	1000	µg/Kg	1	1000	<6.29	100	79.5 - 124
1,1-Dichloroethane		1	1010	µg/Kg	1	1000	<5.57	101	77.7 - 128
cis-1,2-Dichloroethene		1	1030	µg/Kg	1	1000	<5.26	103	77.9 - 128
2,2-Dichloropropane		1	1000	µg/Kg	1	1000	<5.63	100	59.9 - 150
1,2-Dichloroethane (EDC)		1	926	µg/Kg	1	1000	<5.15	93	68.8 - 137
Chloroform		1	993	µg/Kg	1	1000	<4.16	99	76.6 - 128
1,1,1-Trichloroethane		1	1000	µg/Kg	1	1000	<6.24	100	73.3 - 136
1,1-Dichloropropene		1	1020	µg/Kg	1	1000	<5.91	102	79.5 - 126
Benzene		1	1010	µg/Kg	1	1000	<6.07	101	81.4 - 120
Carbon Tetrachloride		1	1100	µg/Kg	1	1000	<5.11	110	57.5 - 159
1,2-Dichloropropane		1	1010	µg/Kg	1	1000	<5.72	101	76.8 - 130
Trichloroethene (TCE)		1	1050	µg/Kg	1	1000	<6.27	105	72.1 - 137
Dibromomethane (methylene bromide)		1	951	µg/Kg	1	1000	<4.27	95	80 - 127
Bromodichloromethane		1	1010	µg/Kg	1	1000	<7.65	101	78.6 - 133
2-Chloroethyl vinyl ether		1	802	µg/Kg	1	1000	<5.27	80	24.8 - 167
cis-1,3-Dichloropropene		1	1030	µg/Kg	1	1000	<5.54	103	81.5 - 133
trans-1,3-Dichloropropene		1	1010	µg/Kg	1	1000	<4.16	101	77.4 - 138
Toluene		1	1010	µg/Kg	1	1000	<7.42	101	83.7 - 121
1,1,2-Trichloroethane		1	960	µg/Kg	1	1000	<6.33	96	79.1 - 120
1,3-Dichloropropane		1	961	µg/Kg	1	1000	<6.15	96	78.1 - 121

continued . . .

control spikes continued . . .

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dibromochloromethane		1	1050	µg/Kg	1	1000	<6.63	105	84.5 - 129
1,2-Dibromoethane (EDB)		1	960	µg/Kg	1	1000	<6.11	96	80.8 - 121
Tetrachloroethene (PCE)		1	1040	µg/Kg	1	1000	<12.7	104	31.3 - 169
Chlorobenzene		1	992	µg/Kg	1	1000	<7.83	99	82.8 - 118
1,1,1,2-Tetrachloroethane		1	1060	µg/Kg	1	1000	<4.71	106	81.8 - 128
Ethylbenzene		1	1010	µg/Kg	1	1000	<7.70	101	83.4 - 117
m,p-Xylene		1	1970	µg/Kg	1	2000	<14.7	98	86.2 - 116
Bromoform		1	1030	µg/Kg	1	1000	<5.65	103	71.9 - 138
Styrene		1	971	µg/Kg	1	1000	<7.89	97	86.4 - 121
o-Xylene		1	1000	µg/Kg	1	1000	<7.92	100	87.3 - 117
1,1,2,2-Tetrachloroethane		1	882	µg/Kg	1	1000	<5.15	88	64.4 - 135
2-Chlorotoluene		1	1090	µg/Kg	1	1000	<8.18	109	78.3 - 120
1,2,3-Trichloropropane		1	1260	µg/Kg	1	1000	<7.71	126	62.8 - 133
Isopropylbenzene		1	1180	µg/Kg	1	1000	<9.13	118	79.1 - 124
Bromobenzene		1	1080	µg/Kg	1	1000	<6.72	108	77.9 - 119
n-Propylbenzene		1	1090	µg/Kg	1	1000	<7.57	109	74.6 - 137
1,3,5-Trimethylbenzene		1	1110	µg/Kg	1	1000	<8.63	111	77.6 - 123
tert-Butylbenzene		1	1170	µg/Kg	1	1000	<8.05	117	75.7 - 127
1,2,4-Trimethylbenzene		1	1080	µg/Kg	1	1000	<7.83	108	81.3 - 121
1,4-Dichlorobenzene (para)		1	967	µg/Kg	1	1000	<8.73	97	76.6 - 119
sec-Butylbenzene		1	1100	µg/Kg	1	1000	<7.27	110	70.1 - 132
1,3-Dichlorobenzene (meta)		1	1010	µg/Kg	1	1000	<7.14	101	76.1 - 122
p-Isopropyltoluene			1090	µg/Kg	1	1000	<6.27	109	72.2 - 132
4-Chlorotoluene		1	1040	µg/Kg	1	1000	<9.32	104	81.4 - 118
1,2-Dichlorobenzene (ortho)		1	994	µg/Kg	1	1000	<9.10	99	77.7 - 120
n-Butylbenzene		1	1020	µg/Kg	1	1000	7.51	102	66 - 134
1,2-Dibromo-3-chloropropane			887	µg/Kg	1	1000	<7.61	89	59 - 133
1,2,3-Trichlorobenzene		1	687	µg/Kg	1	1000	21.8	69	60.5 - 143
1,2,4-Trichlorobenzene		1	713	µg/Kg	1	1000	13.6	71	70.6 - 128
Naphthalene		1	814	µg/Kg	1	1000	52.4	81	60.4 - 136
Hexachlorobutadiene		1	949	µg/Kg	1	1000	38.7	95	64.8 - 137

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		1	1040	µg/Kg	1	1000	<6.32	104	84.1 - 125	2	20
Dichlorodifluoromethane		1	898	µg/Kg	1	1000	<14.8	90	26.3 - 150	0	20
Chloromethane (methyl chloride)		1	895	µg/Kg	1	1000	<4.71	90	53.3 - 141	0	20
Vinyl Chloride		1	952	µg/Kg	1	1000	<13.4	95	60.8 - 131	2	20
Bromomethane (methyl bromide)		1	896	µg/Kg	1	1000	<6.35	90	30.4 - 169	1	20
Chloroethane		1	872	µg/Kg	1	1000	<9.44	87	51.8 - 147	4	20
Trichlorofluoromethane		1	1050	µg/Kg	1	1000	<14.5	105	34.8 - 161	0	20
Acetone		1	1200	µg/Kg	1	1000	<17.8	120	24.1 - 188	10	20
Iodomethane (methyl iodide)		1	1020	µg/Kg	1	1000	<5.41	102	82.4 - 134	4	20
Carbon Disulfide		1	1040	µg/Kg	1	1000	<5.35	104	77.8 - 132	4	20
Acrylonitrile		1	982	µg/Kg	1	1000	<4.14	98	68.8 - 137	8	20
2-Butanone (MEK)		1	984	µg/Kg	1	1000	<9.84	98	53.8 - 140	5	20

continued . . .

control spikes continued . . .

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)		1	994	µg/Kg	1	1000	<8.20	99	64.9 - 144	5	20
2-Hexanone		1	911	µg/Kg	1	1000	<8.76	91	54.3 - 153	1	20
trans 1,4-Dichloro-2-butene		1	715	µg/Kg	1	1000	<4.93	72	40.6 - 175	1	20
1,1-Dichloroethene		1	1010	µg/Kg	1	1000	<5.79	101	68.5 - 137	3	20
Methylene chloride		1	1030	µg/Kg	1	1000	13.8	103	76.2 - 135	4	20
MTBE		1	1020	µg/Kg	1	1000	<4.10	102	58 - 152	3	20
trans-1,2-Dichloroethene		1	1030	µg/Kg	1	1000	<6.29	103	79.5 - 124	3	20
1,1-Dichloroethane		1	1020	µg/Kg	1	1000	<5.57	102	77.7 - 128	1	20
cis-1,2-Dichloroethene		1	1040	µg/Kg	1	1000	<5.26	104	77.9 - 128	1	20
2,2-Dichloropropane		1	1010	µg/Kg	1	1000	<5.63	101	59.9 - 150	1	20
1,2-Dichloroethane (EDC)		1	935	µg/Kg	1	1000	<5.15	94	68.8 - 137	1	20
Chloroform		1	1010	µg/Kg	1	1000	<4.16	101	76.6 - 128	2	20
1,1,1-Trichloroethane		1	1020	µg/Kg	1	1000	<6.24	102	73.3 - 136	2	20
1,1-Dichloropropene		1	1040	µg/Kg	1	1000	<5.91	104	79.5 - 126	2	20
Benzene		1	1030	µg/Kg	1	1000	<6.07	103	81.4 - 120	2	20
Carbon Tetrachloride		1	1120	µg/Kg	1	1000	<5.11	112	57.5 - 159	2	20
1,2-Dichloropropane		1	1030	µg/Kg	1	1000	<5.72	103	76.8 - 130	2	20
Trichloroethene (TCE)		1	1060	µg/Kg	1	1000	<6.27	106	72.1 - 137	1	20
Dibromomethane (methylene bromide)		1	993	µg/Kg	1	1000	<4.27	99	80 - 127	4	20
Bromodichloromethane		1	1020	µg/Kg	1	1000	<7.65	102	78.6 - 133	1	20
2-Chloroethyl vinyl ether		1	867	µg/Kg	1	1000	<5.27	87	24.8 - 167	8	20
cis-1,3-Dichloropropene		1	1050	µg/Kg	1	1000	<5.54	105	81.5 - 133	2	20
trans-1,3-Dichloropropene		1	1030	µg/Kg	1	1000	<4.16	103	77.4 - 138	2	20
Toluene		1	1030	µg/Kg	1	1000	<7.42	103	83.7 - 121	2	20
1,1,2-Trichloroethane		1	986	µg/Kg	1	1000	<6.33	99	79.1 - 120	3	20
1,3-Dichloropropane		1	976	µg/Kg	1	1000	<6.15	98	78.1 - 121	2	20
Dibromochloromethane		1	1080	µg/Kg	1	1000	<6.63	108	84.5 - 129	3	20
1,2-Dibromoethane (EDB)		1	982	µg/Kg	1	1000	<6.11	98	80.8 - 121	2	20
Tetrachloroethene (PCE)		1	1090	µg/Kg	1	1000	<12.7	109	31.3 - 169	5	20
Chlorobenzene		1	1020	µg/Kg	1	1000	<7.83	102	82.8 - 118	3	20
1,1,1,2-Tetrachloroethane		1	1090	µg/Kg	1	1000	<4.71	109	81.8 - 128	3	20
Ethylbenzene		1	1040	µg/Kg	1	1000	<7.70	104	83.4 - 117	3	20
m,p-Xylene		1	2030	µg/Kg	1	2000	<14.7	102	86.2 - 116	3	20
Bromoform		1	1070	µg/Kg	1	1000	<5.65	107	71.9 - 138	4	20
Styrene		1	998	µg/Kg	1	1000	<7.89	100	86.4 - 121	3	20
o-Xylene		1	1030	µg/Kg	1	1000	<7.92	103	87.3 - 117	3	20
1,1,2,2-Tetrachloroethane		1	920	µg/Kg	1	1000	<5.15	92	64.4 - 135	4	20
2-Chlorotoluene		1	1100	µg/Kg	1	1000	<8.18	110	78.3 - 120	1	20
1,2,3-Trichloropropane		1	1250	µg/Kg	1	1000	<7.71	125	62.8 - 133	1	20
Isopropylbenzene		1	1180	µg/Kg	1	1000	<9.13	118	79.1 - 124	0	20
Bromobenzene		1	1090	µg/Kg	1	1000	<6.72	109	77.9 - 119	1	20
n-Propylbenzene		1	1120	µg/Kg	1	1000	<7.57	112	74.6 - 137	3	20
1,3,5-Trimethylbenzene		1	1120	µg/Kg	1	1000	<8.63	112	77.6 - 123	1	20
tert-Butylbenzene		1	1190	µg/Kg	1	1000	<8.05	119	75.7 - 127	2	20
1,2,4-Trimethylbenzene		1	1120	µg/Kg	1	1000	<7.83	112	81.3 - 121	4	20
1,4-Dichlorobenzene (para)		1	992	µg/Kg	1	1000	<8.73	99	76.6 - 119	3	20
sec-Butylbenzene		1	1120	µg/Kg	1	1000	<7.27	112	70.1 - 132	2	20

continued . . .

control spikes continued ...

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,3-Dichlorobenzene (meta)		1	1040	µg/Kg	1	1000	<7.14	104	76.1 - 122	3	20
p-Isopropyltoluene			1120	µg/Kg	1	1000	<6.27	112	72.2 - 132	3	20
4-Chlorotoluene		1	1060	µg/Kg	1	1000	<9.32	106	81.4 - 118	2	20
1,2-Dichlorobenzene (ortho)		1	1040	µg/Kg	1	1000	<9.10	104	77.7 - 120	4	20
n-Butylbenzene		1	1040	µg/Kg	1	1000	7.51	104	66 - 134	2	20
1,2-Dibromo-3-chloropropane			958	µg/Kg	1	1000	<7.61	96	59 - 133	8	20
1,2,3-Trichlorobenzene		1	732	µg/Kg	1	1000	21.8	73	60.5 - 143	6	20
1,2,4-Trichlorobenzene		1	740	µg/Kg	1	1000	13.6	74	70.6 - 128	4	20
Naphthalene		1	880	µg/Kg	1	1000	52.4	88	60.4 - 136	8	20
Hexachlorobutadiene		1	973	µg/Kg	1	1000	38.7	97	64.8 - 137	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane			993	989	µg/Kg	1	1000	99	99	70 - 130
Toluene-d8			993	993	µg/Kg	1	1000	99	99	70 - 130
4-Bromofluorobenzene (4-BFB)			932	922	µg/Kg	1	1000	93	92	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 84122 | Date Analyzed: 2011-08-22 | Analyzed By: RR
Prep Batch: 71419 | QC Preparation: 2011-08-22 | Prepared By: KV

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver		1	12.4	mg/Kg	1	12.5	<0.0369	99	85 - 115
Total Arsenic		1	53.6	mg/Kg	1	50.0	<0.274	107	85 - 115
Total Barium		1	103	mg/Kg	1	100	<0.228	103	85 - 115
Total Cadmium		1	26.7	mg/Kg	1	25.0	<0.0558	107	85 - 115
Total Chromium		1	9.78	mg/Kg	1	10.0	<0.134	98	85 - 115
Total Lead		1	53.6	mg/Kg	1	50.0	<0.196	107	85 - 115
Total Selenium		1	50.9	mg/Kg	1	50.0	<0.212	102	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver		1	12.3	mg/Kg	1	12.5	<0.0369	98	85 - 115	1	20
Total Arsenic		1	53.4	mg/Kg	1	50.0	<0.274	107	85 - 115	0	20
Total Barium		1	103	mg/Kg	1	100	<0.228	103	85 - 115	0	20
Total Cadmium		1	26.6	mg/Kg	1	25.0	<0.0558	106	85 - 115	0	20
Total Chromium		1	9.77	mg/Kg	1	10.0	<0.134	98	85 - 115	0	20
Total Lead		1	52.1	mg/Kg	1	50.0	<0.196	104	85 - 115	3	20
Total Selenium		1	50.2	mg/Kg	1	50.0	<0.212	100	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 84125 | Date Analyzed: 2011-08-20 | Analyzed By: KB
Prep Batch: 71430 | QC Preparation: 2011-08-20 | Prepared By: KB

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	[1]	1	1030	µg/Kg	1	1000	<6.32	103	84.1 - 125
Dichlorodifluoromethane		1	865	µg/Kg	1	1000	<14.8	86	26.3 - 150
Chloromethane (methyl chloride)		1	910	µg/Kg	1	1000	<4.71	91	53.3 - 141
Vinyl Chloride		1	977	µg/Kg	1	1000	<13.4	98	60.8 - 131
Bromomethane (methyl bromide)		1	938	µg/Kg	1	1000	<6.35	94	30.4 - 169
Chloroethane		1	920	µg/Kg	1	1000	<9.44	92	51.8 - 147
Trichlorofluoromethane		1	1100	µg/Kg	1	1000	<14.5	110	34.8 - 161
Acetone		1	969	µg/Kg	1	1000	<17.8	97	24.1 - 188
Iodomethane (methyl iodide)		1	1050	µg/Kg	1	1000	<5.41	105	82.4 - 134
Carbon Disulfide		1	1120	µg/Kg	1	1000	<5.35	112	77.8 - 132
Acrylonitrile		1	837	µg/Kg	1	1000	<4.14	84	68.8 - 137
2-Butanone (MEK)		1	812	µg/Kg	1	1000	<9.84	81	53.8 - 140
4-Methyl-2-pentanone (MIBK)		1	839	µg/Kg	1	1000	<8.20	84	64.9 - 144
2-Hexanone		1	740	µg/Kg	1	1000	<8.76	74	54.3 - 153
trans 1,4-Dichloro-2-butene		1	518	µg/Kg	1	1000	<4.93	52	40.6 - 175
1,1-Dichloroethene		1	1030	µg/Kg	1	1000	<5.79	103	68.5 - 137
Methylene chloride		1	1020	µg/Kg	1	1000	15.6	102	76.2 - 135
MTBE		1	956	µg/Kg	1	1000	<4.10	96	58 - 152
trans-1,2-Dichloroethene		1	1030	µg/Kg	1	1000	<6.29	103	79.5 - 124
1,1-Dichloroethane		1	1020	µg/Kg	1	1000	<5.57	102	77.7 - 128
cis-1,2-Dichloroethene		1	1040	µg/Kg	1	1000	<5.26	104	77.9 - 128
2,2-Dichloropropane		1	748	µg/Kg	1	1000	<5.63	75	59.9 - 150
1,2-Dichloroethane (EDC)		1	944	µg/Kg	1	1000	<5.15	94	68.8 - 137
Chloroform		1	1040	µg/Kg	1	1000	<4.16	104	76.6 - 128
1,1,1-Trichloroethane		1	1080	µg/Kg	1	1000	<6.24	108	73.3 - 136
1,1-Dichloropropene		1	1030	µg/Kg	1	1000	<5.91	103	79.5 - 126
Benzene		1	1030	µg/Kg	1	1000	<6.07	103	81.4 - 120
Carbon Tetrachloride		1	1160	µg/Kg	1	1000	<5.11	116	57.5 - 159
1,2-Dichloropropane		1	1010	µg/Kg	1	1000	<5.72	101	76.8 - 130
Trichloroethene (TCE)		1	1190	µg/Kg	1	1000	<6.27	119	72.1 - 137
Dibromomethane (methylene bromide)		1	951	µg/Kg	1	1000	<4.27	95	80 - 127
Bromodichloromethane		1	1040	µg/Kg	1	1000	<7.65	104	78.6 - 133
2-Chloroethyl vinyl ether		1	602	µg/Kg	1	1000	<5.27	60	24.8 - 167
cis-1,3-Dichloropropene		1	978	µg/Kg	1	1000	<5.54	98	81.5 - 133
trans-1,3-Dichloropropene		1	922	µg/Kg	1	1000	<4.16	92	77.4 - 138
Toluene		1	1030	µg/Kg	1	1000	<7.42	103	83.7 - 121
1,1,2-Trichloroethane		1	933	µg/Kg	1	1000	<6.33	93	79.1 - 120
1,3-Dichloropropane		1	934	µg/Kg	1	1000	<6.15	93	78.1 - 121
Dibromochloromethane		1	1030	µg/Kg	1	1000	<6.63	103	84.5 - 129
1,2-Dibromoethane (EDB)		1	926	µg/Kg	1	1000	<6.11	93	80.8 - 121
Tetrachloroethene (PCE)		1	1580	µg/Kg	1	1000	<12.7	158	31.3 - 169
Chlorobenzene		1	1000	µg/Kg	1	1000	<7.83	100	82.8 - 118
1,1,1,2-Tetrachloroethane		1	1090	µg/Kg	1	1000	<4.71	109	81.8 - 128

continued . . .

control spikes continued . . .

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ethylbenzene		1	1040	µg/Kg	1	1000	<7.70	104	83.4 - 117
m,p-Xylene		1	2020	µg/Kg	1	2000	<14.7	101	86.2 - 116
Bromoform		1	988	µg/Kg	1	1000	<5.65	99	71.9 - 138
Styrene		1	966	µg/Kg	1	1000	<7.89	97	86.4 - 121
o-Xylene		1	1030	µg/Kg	1	1000	<7.92	103	87.3 - 117
1,1,2,2-Tetrachloroethane		1	645	µg/Kg	1	1000	<5.15	64	64.4 - 135
2-Chlorotoluene		1	1140	µg/Kg	1	1000	<8.18	114	78.3 - 120
1,2,3-Trichloropropane		1	1170	µg/Kg	1	1000	<7.71	117	62.8 - 133
Isopropylbenzene		1	1230	µg/Kg	1	1000	<9.13	123	79.1 - 124
Bromobenzene		1	1090	µg/Kg	1	1000	<6.72	109	77.9 - 119
n-Propylbenzene		1	1130	µg/Kg	1	1000	<7.57	113	74.6 - 137
1,3,5-Trimethylbenzene		1	1160	µg/Kg	1	1000	<8.63	116	77.6 - 123
tert-Butylbenzene		1	1210	µg/Kg	1	1000	<8.05	121	75.7 - 127
1,2,4-Trimethylbenzene		1	1140	µg/Kg	1	1000	<7.83	114	81.3 - 121
1,4-Dichlorobenzene (para)		1	978	µg/Kg	1	1000	<8.73	98	76.6 - 119
sec-Butylbenzene		1	1130	µg/Kg	1	1000	<7.27	113	70.1 - 132
1,3-Dichlorobenzene (meta)		1	1020	µg/Kg	1	1000	<7.14	102	76.1 - 122
p-Isopropyltoluene			1100	µg/Kg	1	1000	<6.27	110	72.2 - 132
4-Chlorotoluene		1	1070	µg/Kg	1	1000	<9.32	107	81.4 - 118
1,2-Dichlorobenzene (ortho)		1	1000	µg/Kg	1	1000	<9.10	100	77.7 - 120
n-Butylbenzene		1	995	µg/Kg	1	1000	<7.29	100	66 - 134
1,2-Dibromo-3-chloropropane			686	µg/Kg	1	1000	<7.61	69	59 - 133
1,2,3-Trichlorobenzene	Qs	1	490	µg/Kg	1	1000	<7.32	49	60.5 - 143
1,2,4-Trichlorobenzene	Qs	1	546	µg/Kg	1	1000	7.11	55	70.6 - 128
Naphthalene	Qs	1	536	µg/Kg	1	1000	38.8	54	60.4 - 136
Hexachlorobutadiene		1	898	µg/Kg	1	1000	39.8	90	64.8 - 137

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		1	1020	µg/Kg	1	1000	<6.32	102	84.1 - 125	1	20
Dichlorodifluoromethane		1	825	µg/Kg	1	1000	<14.8	82	26.3 - 150	5	20
Chloromethane (methyl chloride)		1	882	µg/Kg	1	1000	<4.71	88	53.3 - 141	3	20
Vinyl Chloride		1	939	µg/Kg	1	1000	<13.4	94	60.8 - 131	4	20
Bromomethane (methyl bromide)		1	930	µg/Kg	1	1000	<6.35	93	30.4 - 169	1	20
Chloroethane		1	897	µg/Kg	1	1000	<9.44	90	51.8 - 147	2	20
Trichlorofluoromethane		1	1030	µg/Kg	1	1000	<14.5	103	34.8 - 161	7	20
Acetone		1	986	µg/Kg	1	1000	<17.8	99	24.1 - 188	2	20
Iodomethane (methyl iodide)		1	1020	µg/Kg	1	1000	<5.41	102	82.4 - 134	3	20
Carbon Disulfide		1	1100	µg/Kg	1	1000	<5.35	110	77.8 - 132	2	20
Acrylonitrile		1	834	µg/Kg	1	1000	<4.14	83	68.8 - 137	0	20
2-Butanone (MEK)		1	838	µg/Kg	1	1000	<9.84	84	53.8 - 140	3	20
4-Methyl-2-pentanone (MIBK)		1	811	µg/Kg	1	1000	<8.20	81	64.9 - 144	3	20
2-Hexanone		1	750	µg/Kg	1	1000	<8.76	75	54.3 - 153	1	20
trans 1,4-Dichloro-2-butene		1	493	µg/Kg	1	1000	<4.93	49	40.6 - 175	5	20
1,1-Dichloroethene		1	991	µg/Kg	1	1000	<5.79	99	68.5 - 137	4	20
Methylene chloride		1	1000	µg/Kg	1	1000	15.6	100	76.2 - 135	2	20

continued . . .

control spikes continued . . .

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
MTBE		1	957	µg/Kg	1	1000	<4.10	96	58 - 152	0	20
trans-1,2-Dichloroethene		1	1010	µg/Kg	1	1000	<6.29	101	79.5 - 124	2	20
1,1-Dichloroethane		1	1010	µg/Kg	1	1000	<5.57	101	77.7 - 128	1	20
cis-1,2-Dichloroethene		1	1030	µg/Kg	1	1000	<5.26	103	77.9 - 128	1	20
2,2-Dichloropropane		1	707	µg/Kg	1	1000	<5.63	71	59.9 - 150	6	20
1,2-Dichloroethane (EDC)		1	928	µg/Kg	1	1000	<5.15	93	68.8 - 137	2	20
Chloroform		1	1030	µg/Kg	1	1000	<4.16	103	76.6 - 128	1	20
1,1,1-Trichloroethane		1	1050	µg/Kg	1	1000	<6.24	105	73.3 - 136	3	20
1,1-Dichloropropene		1	1020	µg/Kg	1	1000	<5.91	102	79.5 - 126	1	20
Benzene		1	1020	µg/Kg	1	1000	<6.07	102	81.4 - 120	1	20
Carbon Tetrachloride		1	1120	µg/Kg	1	1000	<5.11	112	57.5 - 159	4	20
1,2-Dichloropropane		1	1000	µg/Kg	1	1000	<5.72	100	76.8 - 130	1	20
Trichloroethene (TCE)		1	1200	µg/Kg	1	1000	<6.27	120	72.1 - 137	1	20
Dibromomethane (methylene bromide)		1	935	µg/Kg	1	1000	<4.27	94	80 - 127	2	20
Bromodichloromethane		1	1020	µg/Kg	1	1000	<7.65	102	78.6 - 133	2	20
2-Chloroethyl vinyl ether		1	622	µg/Kg	1	1000	<5.27	62	24.8 - 167	3	20
cis-1,3-Dichloropropene		1	950	µg/Kg	1	1000	<5.54	95	81.5 - 133	3	20
trans-1,3-Dichloropropene		1	901	µg/Kg	1	1000	<4.16	90	77.4 - 138	2	20
Toluene		1	1020	µg/Kg	1	1000	<7.42	102	83.7 - 121	1	20
1,1,2-Trichloroethane		1	918	µg/Kg	1	1000	<6.33	92	79.1 - 120	2	20
1,3-Dichloropropane		1	924	µg/Kg	1	1000	<6.15	92	78.1 - 121	1	20
Dibromochloromethane		1	1040	µg/Kg	1	1000	<6.63	104	84.5 - 129	1	20
1,2-Dibromoethane (EDB)		1	912	µg/Kg	1	1000	<6.11	91	80.8 - 121	2	20
Tetrachloroethene (PCE)		1	1560	µg/Kg	1	1000	<12.7	156	31.3 - 169	1	20
Chlorobenzene		1	996	µg/Kg	1	1000	<7.83	100	82.8 - 118	0	20
1,1,1,2-Tetrachloroethane		1	1070	µg/Kg	1	1000	<4.71	107	81.8 - 128	2	20
Ethylbenzene		1	1020	µg/Kg	1	1000	<7.70	102	83.4 - 117	2	20
m,p-Xylene		1	2000	µg/Kg	1	2000	<14.7	100	86.2 - 116	1	20
Bromoform		1	977	µg/Kg	1	1000	<5.65	98	71.9 - 138	1	20
Styrene		1	956	µg/Kg	1	1000	<7.89	96	86.4 - 121	1	20
o-Xylene		1	1020	µg/Kg	1	1000	<7.92	102	87.3 - 117	1	20
1,1,2,2-Tetrachloroethane	Qs	1	640	µg/Kg	1	1000	<5.15	64	64.4 - 135	1	20
2-Chlorotoluene		1	1120	µg/Kg	1	1000	<8.18	112	78.3 - 120	2	20
1,2,3-Trichloropropane		1	1140	µg/Kg	1	1000	<7.71	114	62.8 - 133	3	20
Isopropylbenzene		1	1220	µg/Kg	1	1000	<9.13	122	79.1 - 124	1	20
Bromobenzene		1	1080	µg/Kg	1	1000	<6.72	108	77.9 - 119	1	20
n-Propylbenzene		1	1120	µg/Kg	1	1000	<7.57	112	74.6 - 137	1	20
1,3,5-Trimethylbenzene		1	1140	µg/Kg	1	1000	<8.63	114	77.6 - 123	2	20
tert-Butylbenzene		1	1210	µg/Kg	1	1000	<8.05	121	75.7 - 127	0	20
1,2,4-Trimethylbenzene		1	1120	µg/Kg	1	1000	<7.83	112	81.3 - 121	2	20
1,4-Dichlorobenzene (para)		1	972	µg/Kg	1	1000	<8.73	97	76.6 - 119	1	20
sec-Butylbenzene		1	1100	µg/Kg	1	1000	<7.27	110	70.1 - 132	3	20
1,3-Dichlorobenzene (meta)		1	1010	µg/Kg	1	1000	<7.14	101	76.1 - 122	1	20
p-Isopropyltoluene			1090	µg/Kg	1	1000	<6.27	109	72.2 - 132	1	20
4-Chlorotoluene		1	1060	µg/Kg	1	1000	<9.32	106	81.4 - 118	1	20
1,2-Dichlorobenzene (ortho)		1	987	µg/Kg	1	1000	<9.10	99	77.7 - 120	1	20
n-Butylbenzene		1	975	µg/Kg	1	1000	<7.29	98	66 - 134	2	20

continued . . .

control spikes continued ...

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dibromo-3-chloropropane			717	µg/Kg	1	1000	<7.61	72	59 - 133	4	20
1,2,3-Trichlorobenzene	Qs	1	503	µg/Kg	1	1000	<7.32	50	60.5 - 143	3	20
1,2,4-Trichlorobenzene	Qs	1	540	µg/Kg	1	1000	7.11	54	70.6 - 128	1	20
Naphthalene	Qs	1	554	µg/Kg	1	1000	38.8	55	60.4 - 136	3	20
Hexachlorobutadiene		1	895	µg/Kg	1	1000	39.8	90	64.8 - 137	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane			1010	1000	µg/Kg	1	1000	101	100	70 - 130
Toluene-d8			993	1010	µg/Kg	1	1000	99	101	70 - 130
4-Bromofluorobenzene (4-BFB)			914	915	µg/Kg	1	1000	91	92	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 84158 | Date Analyzed: 2011-08-21 | Analyzed By: BP
Prep Batch: 71448 | QC Preparation: 2011-08-19 | Prepared By: EB

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
C6-C12		1	243	mg/Kg	1	250	<12.9	97	81.6 - 129
>C12-C28		1	231	mg/Kg	1	250	<11.2	92	72.3 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
C6-C12		1	235	mg/Kg	1	250	<12.9	94	81.6 - 129	3	20
>C12-C28		1	233	mg/Kg	1	250	<11.2	93	72.3 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Octane			105	103	mg/Kg	1	100	105	103	55.1 - 140
n-Tricosane			94.0	91.2	mg/Kg	1	100	94	91	65.2 - 142
n-Triacontane			102	98.5	mg/Kg	1	100	102	98	68.8 - 145

Laboratory Control Spike (LCS-1)

QC Batch: 84159 | Date Analyzed: 2011-08-21 | Analyzed By: BP
Prep Batch: 71449 | QC Preparation: 2011-08-19 | Prepared By: EB

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
C6-C12		1	247	mg/Kg	1	250	<12.9	99	81.6 - 129
>C12-C28		1	236	mg/Kg	1	250	<11.2	94	72.3 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
C6-C12		1	244	mg/Kg	1	250	<12.9	98	81.6 - 129	1	20
>C12-C28		1	239	mg/Kg	1	250	<11.2	96	72.3 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Octane			107	106	mg/Kg	1	100	107	106	55.1 - 140
n-Tricosane			97.5	96.8	mg/Kg	1	100	98	97	65.2 - 142
n-Triacontane			111	109	mg/Kg	1	100	111	109	68.8 - 145

Laboratory Control Spike (LCS-1)

QC Batch: 84211 | Date Analyzed: 2011-08-24 | Analyzed By: MN
Prep Batch: 71498 | QC Preparation: 2011-08-23 | Prepared By: MN

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Pyridine		1	1.04	mg/Kg	1	2.67	<0.0360	39	10 - 74.9
N-Nitrosodimethylamine		1	1.18	mg/Kg	1	2.67	<0.0663	44	10.6 - 81.1
2-Picoline		1	1.29	mg/Kg	1	2.67	<0.0564	48	20.9 - 76.8
Methyl methanesulfonate		1	1.15	mg/Kg	1	2.67	<0.0517	43	19.1 - 71.3
Ethyl methanesulfonate		1	1.37	mg/Kg	1	2.67	<0.0564	51	22.4 - 86.3
Phenol		1	1.38	mg/Kg	1	2.67	<0.0440	52	14.4 - 85.2
Aniline		1	1.32	mg/Kg	1	2.67	<0.0521	49	10 - 95.4
bis(2-chloroethyl)ether		1	1.26	mg/Kg	1	2.67	<0.0481	47	13.8 - 95.3
2-Chlorophenol		1	1.24	mg/Kg	1	2.67	<0.0448	46	21.9 - 83.8
1,3-Dichlorobenzene (meta)		1	1.17	mg/Kg	1	2.67	<0.0343	44	25.3 - 80.6
1,4-Dichlorobenzene (para)		1	1.17	mg/Kg	1	2.67	<0.0287	44	19 - 77
Benzyl alcohol		1	1.55	mg/Kg	1	2.67	<0.0254	58	10 - 125
1,2-Dichlorobenzene (ortho)		1	1.17	mg/Kg	1	2.67	<0.0583	44	23.5 - 81.2
2-Methylphenol		1	1.41	mg/Kg	1	2.67	<0.0360	53	19.1 - 83.2
bis(2-chloroisopropyl)ether		1	1.23	mg/Kg	1	2.67	<0.0539	46	17.2 - 84.2
4-Methylphenol / 3-Methylphenol		1	1.49	mg/Kg	1	2.67	<0.0586	56	18.7 - 88.6
Acetophenone		1	1.27	mg/Kg	1	2.67	<0.0339	48	34.1 - 80.5
N-Nitrosodi-n-propylamine		1	1.49	mg/Kg	1	2.67	<0.0529	56	23.3 - 85.4
Hexachloroethane		1	1.15	mg/Kg	1	2.67	<0.0526	43	24.3 - 74.9
Nitrobenzene		1	1.39	mg/Kg	1	2.67	<0.0414	52	29 - 76.7
N-Nitrosopiperidine		1	1.46	mg/Kg	1	2.67	<0.0481	55	27.8 - 97.8
Isophorone		1	1.47	mg/Kg	1	2.67	<0.0540	55	28 - 90

continued ...

control spikes continued ...

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2-Nitrophenol		1	1.36	mg/Kg	1	2.67	<0.0471	51	18 - 111
2,4-Dimethylphenol		1	1.38	mg/Kg	1	2.67	<0.0398	52	32.6 - 88.3
bis(2-chloroethoxy)methane		1	1.33	mg/Kg	1	2.67	<0.0514	50	19.9 - 98.1
Benzoic acid		1	1.98	mg/Kg	1	2.67	<0.0398	74	10 - 119
2,4-Dichlorophenol		1	1.41	mg/Kg	1	2.67	<0.0310	53	35.5 - 90
1,2,4-Trichlorobenzene		1	1.19	mg/Kg	1	2.67	<0.0338	44	32.5 - 81.2
Naphthalene		1	1.24	mg/Kg	1	2.67	<0.0543	46	33.4 - 80.7
4-Chloroaniline		1	1.48	mg/Kg	1	2.67	<0.0410	55	10 - 176
2,6-Dichlorophenol		1	1.36	mg/Kg	1	2.67	<0.0351	51	37.5 - 83.9
Hexachlorobutadiene		1	1.12	mg/Kg	1	2.67	<0.0388	42	28.5 - 80.1
N-Nitroso-di-n-butylamine		1	1.57	mg/Kg	1	2.67	<0.0549	59	27.3 - 97.7
4-Chloro-3-methylphenol		1	1.72	mg/Kg	1	2.67	<0.0266	64	10 - 120
1-Methylnaphthalene			1.37	mg/Kg	1	2.67	<0.0526	51	32.5 - 85
2-Methylnaphthalene		1	1.38	mg/Kg	1	2.67	<0.0482	52	33.7 - 84
1,2,4,5-Tetrachlorobenzene		1	1.21	mg/Kg	1	2.67	<0.0387	45	27 - 91.3
Hexachlorocyclopentadiene		1	1.92	mg/Kg	1	2.67	<0.0978	72	10 - 140
2,4,6-Trichlorophenol		1	1.49	mg/Kg	1	2.67	<0.0444	56	39.3 - 106
2,4,5-Trichlorophenol		1	1.75	mg/Kg	1	2.67	<0.0564	66	42.6 - 103
2-Chloronaphthalene		1	1.28	mg/Kg	1	2.67	<0.0471	48	35.4 - 85.2
1-Chloronaphthalene		1	1.31	mg/Kg	1	2.67	<0.0589	49	30.8 - 90.6
2-Nitroaniline		1	1.89	mg/Kg	1	2.67	<0.0410	71	43.6 - 96.3
Dimethylphthalate		1	1.65	mg/Kg	1	2.67	<0.0620	62	48.1 - 98.9
Acenaphthylene		1	1.39	mg/Kg	1	2.67	<0.0555	52	36.3 - 89.5
2,6-Dinitrotoluene		1	2.03	mg/Kg	1	2.67	<0.0556	76	42 - 117
3-Nitroaniline		1	2.04	mg/Kg	1	2.67	<0.0465	76	38.9 - 114
Acenaphthene		1	1.42	mg/Kg	1	2.67	<0.0558	53	37.5 - 91.6
2,4-Dinitrophenol		1	1.92	mg/Kg	1	2.67	<0.0835	72	10 - 122
Dibenzofuran		1	1.45	mg/Kg	1	2.67	<0.0443	54	46.5 - 90.4
Pentachlorobenzene		1	1.52	mg/Kg	1	2.67	<0.0480	57	43.9 - 89.2
4-Nitrophenol		1	1.86	mg/Kg	1	2.67	<0.0221	70	10 - 124
1-Naphthylamine		1	1.48	mg/Kg	1	2.67	<0.0343	55	14.6 - 119
2,4-Dinitrotoluene		1	2.03	mg/Kg	1	2.67	<0.0631	76	60.8 - 104
2-Naphthylamine		1	1.44	mg/Kg	1	2.67	<0.0504	54	26.2 - 112
2,3,4,6-Tetrachlorophenol		1	1.94	mg/Kg	1	2.67	<0.0211	73	36.4 - 128
Fluorene		1	1.57	mg/Kg	1	2.67	<0.0623	59	51 - 89.2
Diethylphthalate		1	1.71	mg/Kg	1	2.67	<0.0543	64	51.7 - 100
4-Chlorophenyl-phenylether		1	1.54	mg/Kg	1	2.67	<0.0470	58	51.3 - 88.3
4-Nitroaniline		1	2.00	mg/Kg	1	2.67	<0.104	75	52.1 - 124
4,6-Dinitro-2-methylphenol		1	1.94	mg/Kg	1	2.67	<0.0875	73	10 - 162
Diphenylamine		1	1.94	mg/Kg	1	2.67	<0.0564	73	51.6 - 91.4
Diphenylhydrazine			1.59	mg/Kg	1	2.67	<0.0644	60	40.7 - 96.5
4-Bromophenyl-phenylether		1	1.93	mg/Kg	1	2.67	<0.0512	72	42.5 - 100
Phenacetin		1	1.76	mg/Kg	1	2.67	<0.0522	66	60.3 - 86.2
Hexachlorobenzene		1	1.71	mg/Kg	1	2.67	<0.0446	64	43.4 - 101
4-Aminobiphenyl		1	1.98	mg/Kg	1	2.67	<0.0352	74	10.3 - 135
Pentachlorophenol		1	2.24	mg/Kg	1	2.67	<0.0580	84	10 - 142
Pentachloronitrobenzene		1	1.87	mg/Kg	1	2.67	<0.0346	70	46 - 105

continued ...

control spikes continued . . .

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Pronamide		1	1.74	mg/Kg	1	2.67	<0.0580	65	48.4 - 98.5
Phenanthrene		1	1.73	mg/Kg	1	2.67	<0.0536	65	54.2 - 91
Anthracene		1	1.73	mg/Kg	1	2.67	<0.0361	65	51.1 - 94.8
Di-n-butylphthalate		1	1.74	mg/Kg	1	2.67	<0.0529	65	47.1 - 103
Fluoranthene		1	1.70	mg/Kg	1	2.67	<0.0341	64	47.9 - 101
Benzidine		1	2.32	mg/Kg	1	2.67	<0.0686	87	10 - 219
Pyrene		1	1.79	mg/Kg	1	2.67	<0.0390	67	55.4 - 94.3
p-Dimethylaminoazobenzene			1.70	mg/Kg	1	2.67	<0.0525	64	54.4 - 108
Butylbenzylphthalate		1	1.77	mg/Kg	1	2.67	<0.0687	66	47.5 - 108
Benzo(a)anthracene		1	1.68	mg/Kg	1	2.67	<0.0372	63	49.8 - 103
3,3-Dichlorobenzidine		1	1.90	mg/Kg	1	2.67	<0.0490	71	33.7 - 116
Chrysene		1	1.72	mg/Kg	1	2.67	<0.0498	64	19.5 - 151
bis(2-ethylhexyl)phthalate		1	1.73	mg/Kg	1	2.67	<0.0705	65	26.1 - 160
Di-n-octylphthalate		1	1.74	mg/Kg	1	2.67	0.362	52	32.5 - 126
Benzo(b)fluoranthene		1	1.58	mg/Kg	1	2.67	<0.0382	59	33.4 - 90.2
7,12-Dimethylbenz(a)anthracene		1	1.60	mg/Kg	1	2.67	<0.0294	60	37.1 - 84.9
Benzo(k)fluoranthene		1	1.70	mg/Kg	1	2.67	<0.0469	64	50.6 - 77.7
Benzo(a)pyrene		1	1.60	mg/Kg	1	2.67	<0.0445	60	43 - 85.7
3-Methylcholanthrene		1	1.57	mg/Kg	1	2.67	<0.0322	59	14.5 - 105
Dibenzo(a,j)acridine		1	1.57	mg/Kg	1	2.67	<0.0646	59	42.3 - 87.6
Indeno(1,2,3-cd)pyrene		1	1.58	mg/Kg	1	2.67	<0.0430	59	43.8 - 89.5
Dibenzo(a,h)anthracene		1	1.59	mg/Kg	1	2.67	<0.0472	60	17.8 - 129
Benzo(g,h,i)perylene		1	1.56	mg/Kg	1	2.67	<0.0421	58	38.5 - 95.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Pyridine		1	1.10	mg/Kg	1	2.67	<0.0360	41	10 - 74.9	6	20
N-Nitrosodimethylamine		1	1.31	mg/Kg	1	2.67	<0.0663	49	10.6 - 81.1	10	20
2-Picoline		1	1.42	mg/Kg	1	2.67	<0.0564	53	20.9 - 76.8	10	20
Methyl methanesulfonate		1	1.29	mg/Kg	1	2.67	<0.0517	48	19.1 - 71.3	12	20
Ethyl methanesulfonate		1	1.49	mg/Kg	1	2.67	<0.0564	56	22.4 - 86.3	8	20
Phenol		1	1.51	mg/Kg	1	2.67	<0.0440	56	14.4 - 85.2	9	20
Aniline		1	1.44	mg/Kg	1	2.67	<0.0521	54	10 - 95.4	9	20
bis(2-chloroethyl)ether		1	1.38	mg/Kg	1	2.67	<0.0481	52	13.8 - 95.3	9	20
2-Chlorophenol		1	1.40	mg/Kg	1	2.67	<0.0448	52	21.9 - 83.8	12	20
1,3-Dichlorobenzene (meta)		1	1.30	mg/Kg	1	2.67	<0.0343	49	25.3 - 80.6	10	20
1,4-Dichlorobenzene (para)		1	1.32	mg/Kg	1	2.67	<0.0287	49	19 - 77	12	20
Benzyl alcohol		1	1.69	mg/Kg	1	2.67	<0.0254	63	10 - 125	9	20
1,2-Dichlorobenzene (ortho)		1	1.30	mg/Kg	1	2.67	<0.0583	49	23.5 - 81.2	10	20
2-Methylphenol		1	1.52	mg/Kg	1	2.67	<0.0360	57	19.1 - 83.2	8	20
bis(2-chloroisopropyl)ether		1	1.34	mg/Kg	1	2.67	<0.0539	50	17.2 - 84.2	9	20
4-Methylphenol / 3-Methylphenol		1	1.62	mg/Kg	1	2.67	<0.0586	61	18.7 - 88.6	8	20
Acetophenone		1	1.42	mg/Kg	1	2.67	<0.0339	53	34.1 - 80.5	11	20
N-Nitrosodi-n-propylamine		1	1.62	mg/Kg	1	2.67	<0.0529	61	23.3 - 85.4	8	20
Hexachloroethane		1	1.29	mg/Kg	1	2.67	<0.0526	48	24.3 - 74.9	12	20
Nitrobenzene		1	1.57	mg/Kg	1	2.67	<0.0414	59	29 - 76.7	12	20

continued . . .

control spikes continued . . .

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
N-Nitrosopiperidine		1	1.59	mg/Kg	1	2.67	<0.0481	60	27.8 - 97.8	8	20
Isophorone		1	1.61	mg/Kg	1	2.67	<0.0540	60	28 - 90	9	20
2-Nitrophenol	Qr	1	1.73	mg/Kg	1	2.67	<0.0471	65	18 - 111	24	20
2,4-Dimethylphenol		1	1.53	mg/Kg	1	2.67	<0.0398	57	32.6 - 88.3	10	20
bis(2-chloroethoxy)methane		1	1.48	mg/Kg	1	2.67	<0.0514	55	19.9 - 98.1	11	20
Benzoic acid		1	2.24	mg/Kg	1	2.67	<0.0398	84	10 - 119	12	20
2,4-Dichlorophenol		1	1.56	mg/Kg	1	2.67	<0.0310	58	35.5 - 90	10	20
1,2,4-Trichlorobenzene		1	1.35	mg/Kg	1	2.67	<0.0338	50	32.5 - 81.2	13	20
Naphthalene		1	1.39	mg/Kg	1	2.67	<0.0543	52	33.4 - 80.7	11	20
4-Chloroaniline		1	1.64	mg/Kg	1	2.67	<0.0410	61	10 - 176	10	20
2,6-Dichlorophenol		1	1.53	mg/Kg	1	2.67	<0.0351	57	37.5 - 83.9	12	20
Hexachlorobutadiene		1	1.28	mg/Kg	1	2.67	<0.0388	48	28.5 - 80.1	13	20
N-Nitroso-di-n-butylamine		1	1.73	mg/Kg	1	2.67	<0.0549	65	27.3 - 97.7	10	20
4-Chloro-3-methylphenol		1	1.90	mg/Kg	1	2.67	<0.0266	71	10 - 120	10	20
1-Methylnaphthalene			1.52	mg/Kg	1	2.67	<0.0526	57	32.5 - 85	10	20
2-Methylnaphthalene		1	1.50	mg/Kg	1	2.67	<0.0482	56	33.7 - 84	8	20
1,2,4,5-Tetrachlorobenzene		1	1.36	mg/Kg	1	2.67	<0.0387	51	27 - 91.3	12	20
Hexachlorocyclopentadiene		1	2.12	mg/Kg	1	2.67	<0.0978	79	10 - 140	10	20
2,4,6-Trichlorophenol		1	1.75	mg/Kg	1	2.67	<0.0444	66	39.3 - 106	16	20
2,4,5-Trichlorophenol		1	2.06	mg/Kg	1	2.67	<0.0564	77	42.6 - 103	16	20
2-Chloronaphthalene		1	1.45	mg/Kg	1	2.67	<0.0471	54	35.4 - 85.2	12	20
1-Chloronaphthalene		1	1.47	mg/Kg	1	2.67	<0.0589	55	30.8 - 90.6	12	20
2-Nitroaniline		1	2.12	mg/Kg	1	2.67	<0.0410	79	43.6 - 96.3	12	20
Dimethylphthalate		1	1.86	mg/Kg	1	2.67	<0.0620	70	48.1 - 98.9	12	20
Acenaphthylene		1	1.56	mg/Kg	1	2.67	<0.0555	58	36.3 - 89.5	12	20
2,6-Dinitrotoluene		1	2.29	mg/Kg	1	2.67	<0.0556	86	42 - 117	12	20
3-Nitroaniline		1	2.26	mg/Kg	1	2.67	<0.0465	85	38.9 - 114	10	20
Acenaphthene		1	1.60	mg/Kg	1	2.67	<0.0558	60	37.5 - 91.6	12	20
2,4-Dinitrophenol		1	2.14	mg/Kg	1	2.67	<0.0835	80	10 - 122	11	20
Dibenzofuran		1	1.63	mg/Kg	1	2.67	<0.0443	61	46.5 - 90.4	12	20
Pentachlorobenzene		1	1.70	mg/Kg	1	2.67	<0.0480	64	43.9 - 89.2	11	20
4-Nitrophenol		1	2.13	mg/Kg	1	2.67	<0.0221	80	10 - 124	14	20
1-Naphthylamine		1	1.67	mg/Kg	1	2.67	<0.0343	62	14.6 - 119	12	20
2,4-Dinitrotoluene		1	2.29	mg/Kg	1	2.67	<0.0631	86	60.8 - 104	12	20
2-Naphthylamine		1	1.66	mg/Kg	1	2.67	<0.0504	62	26.2 - 112	14	20
2,3,4,6-Tetrachlorophenol		1	2.26	mg/Kg	1	2.67	<0.0211	85	36.4 - 128	15	20
Fluorene		1	1.76	mg/Kg	1	2.67	<0.0623	66	51 - 89.2	11	20
Diethylphthalate		1	1.94	mg/Kg	1	2.67	<0.0543	73	51.7 - 100	13	20
4-Chlorophenyl-phenylether		1	1.73	mg/Kg	1	2.67	<0.0470	65	51.3 - 88.3	12	20
4-Nitroaniline		1	2.18	mg/Kg	1	2.67	<0.104	82	52.1 - 124	9	20
4,6-Dinitro-2-methylphenol	Qr	1	2.39	mg/Kg	1	2.67	<0.0875	90	10 - 162	21	20
Diphenylamine		1	2.19	mg/Kg	1	2.67	<0.0564	82	51.6 - 91.4	12	20
Diphenylhydrazine			1.78	mg/Kg	1	2.67	<0.0644	67	40.7 - 96.5	11	20
4-Bromophenyl-phenylether		1	2.19	mg/Kg	1	2.67	<0.0512	82	42.5 - 100	13	20
Phenacetin		1	2.00	mg/Kg	1	2.67	<0.0522	75	60.3 - 86.2	13	20
Hexachlorobenzene		1	1.94	mg/Kg	1	2.67	<0.0446	73	43.4 - 101	13	20
4-Aminobiphenyl		1	2.26	mg/Kg	1	2.67	<0.0352	85	10.3 - 135	13	20

continued . . .

control spikes continued ...

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Pentachlorophenol		1	2.59	mg/Kg	1	2.67	<0.0580	97	10 - 142	14	20
Pentachloronitrobenzene		1	2.15	mg/Kg	1	2.67	<0.0346	80	46 - 105	14	20
Pronamide		1	1.99	mg/Kg	1	2.67	<0.0580	74	48.4 - 98.5	13	20
Phenanthrene		1	1.95	mg/Kg	1	2.67	<0.0536	73	54.2 - 91	12	20
Anthracene		1	1.96	mg/Kg	1	2.67	<0.0361	73	51.1 - 94.8	12	20
Di-n-butylphthalate		1	1.97	mg/Kg	1	2.67	<0.0529	74	47.1 - 103	12	20
Fluoranthene		1	1.94	mg/Kg	1	2.67	<0.0341	73	47.9 - 101	13	20
Benzidine		1	2.69	mg/Kg	1	2.67	<0.0686	101	10 - 219	15	20
Pyrene		1	2.02	mg/Kg	1	2.67	<0.0390	76	55.4 - 94.3	12	20
p-Dimethylaminoazobenzene			1.96	mg/Kg	1	2.67	<0.0525	73	54.4 - 108	14	20
Butylbenzylphthalate		1	2.00	mg/Kg	1	2.67	<0.0687	75	47.5 - 108	12	20
Benzo(a)anthracene		1	1.88	mg/Kg	1	2.67	<0.0372	70	49.8 - 103	11	20
3,3-Dichlorobenzidine		1	2.14	mg/Kg	1	2.67	<0.0490	80	33.7 - 116	12	20
Chrysene		1	1.92	mg/Kg	1	2.67	<0.0498	72	19.5 - 151	11	20
bis(2-ethylhexyl)phthalate		1	1.96	mg/Kg	1	2.67	<0.0705	73	26.1 - 160	12	20
Di-n-octylphthalate		1	1.98	mg/Kg	1	2.67	0.362	60	32.5 - 126	13	20
Benzo(b)fluoranthene		1	1.76	mg/Kg	1	2.67	<0.0382	66	33.4 - 90.2	11	20
7,12-Dimethylbenz(a)anthracene		1	1.81	mg/Kg	1	2.67	<0.0294	68	37.1 - 84.9	12	20
Benzo(k)fluoranthene		1	2.04	mg/Kg	1	2.67	<0.0469	76	50.6 - 77.7	18	20
Benzo(a)pyrene		1	1.83	mg/Kg	1	2.67	<0.0445	68	43 - 85.7	13	20
3-Methylcholanthrene		1	1.78	mg/Kg	1	2.67	<0.0322	67	14.5 - 105	12	20
Dibenzo(a,j)acridine		1	1.79	mg/Kg	1	2.67	<0.0646	67	42.3 - 87.6	13	20
Indeno(1,2,3-cd)pyrene		1	1.79	mg/Kg	1	2.67	<0.0430	67	43.8 - 89.5	12	20
Dibenzo(a,h)anthracene		1	1.80	mg/Kg	1	2.67	<0.0472	67	17.8 - 129	12	20
Benzo(g,h,i)perylene		1	1.77	mg/Kg	1	2.67	<0.0421	66	38.5 - 95.2	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol			1.18	1.29	mg/Kg	1	2.67	44	48	10 - 88
Phenol-d5			1.33	1.45	mg/Kg	1	2.67	50	54	10 - 100
Nitrobenzene-d5			1.44	1.64	mg/Kg	1	2.67	54	61	10 - 89.7
2-Fluorobiphenyl			1.29	1.45	mg/Kg	1	2.67	48	54	13 - 93
2,4,6-Tribromophenol			1.88	2.29	mg/Kg	1	2.67	70	86	10 - 99.4
Terphenyl-d14			1.76	2.00	mg/Kg	1	2.67	66	75	38.9 - 94.4

Laboratory Control Spike (LCS-1)

QC Batch: 84212 | Date Analyzed: 2011-08-24 | Analyzed By: MN
Prep Batch: 71499 | QC Preparation: 2011-08-23 | Prepared By: MN

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Pyridine		1	1.12	mg/Kg	1	2.67	<0.0360	42	10 - 74.9

continued ...

control spikes continued ...

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
N-Nitrosodimethylamine		1	1.28	mg/Kg	1	2.67	<0.0663	48	10.6 - 81.1
2-Picoline		1	1.34	mg/Kg	1	2.67	<0.0564	50	20.9 - 76.8
Methyl methanesulfonate		1	1.23	mg/Kg	1	2.67	<0.0517	46	19.1 - 71.3
Ethyl methanesulfonate		1	1.35	mg/Kg	1	2.67	<0.0564	50	22.4 - 86.3
Phenol		1	1.27	mg/Kg	1	2.67	<0.0440	48	14.4 - 85.2
Aniline		1	1.35	mg/Kg	1	2.67	<0.0521	50	10 - 95.4
bis(2-chloroethyl)ether		1	1.34	mg/Kg	1	2.67	<0.0481	50	13.8 - 95.3
2-Chlorophenol		1	1.33	mg/Kg	1	2.67	<0.0448	50	21.9 - 83.8
1,3-Dichlorobenzene (meta)		1	1.29	mg/Kg	1	2.67	<0.0343	48	25.3 - 80.6
1,4-Dichlorobenzene (para)		1	1.30	mg/Kg	1	2.67	<0.0287	49	19 - 77
Benzyl alcohol		1	1.54	mg/Kg	1	2.67	<0.0254	58	10 - 125
1,2-Dichlorobenzene (ortho)		1	1.29	mg/Kg	1	2.67	<0.0583	48	23.5 - 81.2
2-Methylphenol		1	1.40	mg/Kg	1	2.67	<0.0360	52	19.1 - 83.2
bis(2-chloroisopropyl)ether		1	1.27	mg/Kg	1	2.67	<0.0539	48	17.2 - 84.2
4-Methylphenol / 3-Methylphenol		1	1.51	mg/Kg	1	2.67	<0.0586	56	18.7 - 88.6
Acetophenone		1	1.41	mg/Kg	1	2.67	<0.0339	53	34.1 - 80.5
N-Nitrosodi-n-propylamine		1	1.49	mg/Kg	1	2.67	<0.0529	56	23.3 - 85.4
Hexachloroethane		1	1.28	mg/Kg	1	2.67	<0.0526	48	24.3 - 74.9
Nitrobenzene		1	1.54	mg/Kg	1	2.67	<0.0414	58	29 - 76.7
N-Nitrosopiperidine		1	1.57	mg/Kg	1	2.67	<0.0481	59	27.8 - 97.8
Isophorone		1	1.58	mg/Kg	1	2.67	<0.0540	59	28 - 90
2-Nitrophenol		1	1.93	mg/Kg	1	2.67	<0.0471	72	18 - 111
2,4-Dimethylphenol		1	1.52	mg/Kg	1	2.67	<0.0398	57	32.6 - 88.3
bis(2-chloroethoxy)methane		1	1.44	mg/Kg	1	2.67	<0.0514	54	19.9 - 98.1
Benzoic acid		1	2.39	mg/Kg	1	2.67	<0.0398	90	10 - 119
2,4-Dichlorophenol		1	1.59	mg/Kg	1	2.67	<0.0310	60	35.5 - 90
1,2,4-Trichlorobenzene		1	1.35	mg/Kg	1	2.67	<0.0338	50	32.5 - 81.2
Naphthalene		1	1.38	mg/Kg	1	2.67	<0.0543	52	33.4 - 80.7
4-Chloroaniline		1	1.60	mg/Kg	1	2.67	<0.0410	60	10 - 176
2,6-Dichlorophenol		1	1.55	mg/Kg	1	2.67	<0.0351	58	37.5 - 83.9
Hexachlorobutadiene		1	1.31	mg/Kg	1	2.67	<0.0388	49	28.5 - 80.1
N-Nitroso-di-n-butylamine		1	1.74	mg/Kg	1	2.67	<0.0549	65	27.3 - 97.7
4-Chloro-3-methylphenol		1	1.92	mg/Kg	1	2.67	<0.0266	72	10 - 120
1-Methylnaphthalene			1.51	mg/Kg	1	2.67	<0.0526	56	32.5 - 85
2-Methylnaphthalene		1	1.51	mg/Kg	1	2.67	<0.0482	56	33.7 - 84
1,2,4,5-Tetrachlorobenzene		1	1.38	mg/Kg	1	2.67	<0.0387	52	27 - 91.3
Hexachlorocyclopentadiene		1	2.32	mg/Kg	1	2.67	<0.0978	87	10 - 140
2,4,6-Trichlorophenol		1	1.88	mg/Kg	1	2.67	<0.0444	70	39.3 - 106
2,4,5-Trichlorophenol		1	2.18	mg/Kg	1	2.67	<0.0564	82	42.6 - 103
2-Chloronaphthalene		1	1.52	mg/Kg	1	2.67	<0.0471	57	35.4 - 85.2
1-Chloronaphthalene		1	1.43	mg/Kg	1	2.67	<0.0589	54	30.8 - 90.6
2-Nitroaniline		1	2.19	mg/Kg	1	2.67	<0.0410	82	43.6 - 96.3
Dimethylphthalate		1	1.96	mg/Kg	1	2.67	<0.0620	73	48.1 - 98.9
Acenaphthylene		1	1.62	mg/Kg	1	2.67	<0.0555	61	36.3 - 89.5
2,6-Dinitrotoluene		1	2.38	mg/Kg	1	2.67	<0.0556	89	42 - 117
3-Nitroaniline		1	2.38	mg/Kg	1	2.67	<0.0465	89	38.9 - 114
Acenaphthene		1	1.66	mg/Kg	1	2.67	<0.0558	62	37.5 - 91.6

continued ...

control spikes continued ...

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2,4-Dinitrophenol		1	2.42	mg/Kg	1	2.67	<0.0835	91	10 - 122
Dibenzofuran		1	1.70	mg/Kg	1	2.67	<0.0443	64	46.5 - 90.4
Pentachlorobenzene		1	1.77	mg/Kg	1	2.67	<0.0480	66	43.9 - 89.2
4-Nitrophenol		1	2.35	mg/Kg	1	2.67	<0.0221	88	10 - 124
1-Naphthylamine		1	1.74	mg/Kg	1	2.67	<0.0343	65	14.6 - 119
2,4-Dinitrotoluene		1	2.38	mg/Kg	1	2.67	<0.0631	89	60.8 - 104
2-Naphthylamine		1	1.71	mg/Kg	1	2.67	<0.0504	64	26.2 - 112
2,3,4,6-Tetrachlorophenol		1	2.57	mg/Kg	1	2.67	<0.0211	96	36.4 - 128
Fluorene		1	1.85	mg/Kg	1	2.67	<0.0623	69	51 - 89.2
Diethylphthalate		1	2.06	mg/Kg	1	2.67	<0.0543	77	51.7 - 100
4-Chlorophenyl-phenylether		1	1.83	mg/Kg	1	2.67	<0.0470	68	51.3 - 88.3
4-Nitroaniline		1	2.30	mg/Kg	1	2.67	<0.104	86	52.1 - 124
4,6-Dinitro-2-methylphenol		1	2.91	mg/Kg	1	2.67	<0.0875	109	10 - 162
Diphenylamine		1	2.18	mg/Kg	1	2.67	<0.0564	82	51.6 - 91.4
Diphenylhydrazine			1.85	mg/Kg	1	2.67	<0.0644	69	40.7 - 96.5
4-Bromophenyl-phenylether		1	2.17	mg/Kg	1	2.67	<0.0512	81	42.5 - 100
Phenacetin		1	2.05	mg/Kg	1	2.67	<0.0522	77	60.3 - 86.2
Hexachlorobenzene		1	1.91	mg/Kg	1	2.67	<0.0446	72	43.4 - 101
4-Aminobiphenyl		1	2.32	mg/Kg	1	2.67	<0.0352	87	10.3 - 135
Pentachlorophenol		1	2.86	mg/Kg	1	2.67	<0.0580	107	10 - 142
Pentachloronitrobenzene		1	2.28	mg/Kg	1	2.67	<0.0346	85	46 - 105
Pronamide		1	2.07	mg/Kg	1	2.67	<0.0580	78	48.4 - 98.5
Phenanthrene		1	1.96	mg/Kg	1	2.67	<0.0536	73	54.2 - 91
Anthracene		1	1.97	mg/Kg	1	2.67	<0.0361	74	51.1 - 94.8
Di-n-butylphthalate		1	2.05	mg/Kg	1	2.67	<0.0529	77	47.1 - 103
Fluoranthene		1	1.97	mg/Kg	1	2.67	<0.0341	74	47.9 - 101
Benzidine		1	2.43	mg/Kg	1	2.67	<0.0686	91	10 - 219
Pyrene		1	2.05	mg/Kg	1	2.67	<0.0390	77	55.4 - 94.3
p-Dimethylaminoazobenzene			2.02	mg/Kg	1	2.67	<0.0525	76	54.4 - 108
Butylbenzylphthalate		1	2.07	mg/Kg	1	2.67	<0.0687	78	47.5 - 108
Benzo(a)anthracene		1	1.91	mg/Kg	1	2.67	<0.0372	72	49.8 - 103
3,3-Dichlorobenzidine		1	2.15	mg/Kg	1	2.67	<0.0490	80	33.7 - 116
Chrysene		1	1.95	mg/Kg	1	2.67	<0.0498	73	19.5 - 151
bis(2-ethylhexyl)phthalate		1	2.03	mg/Kg	1	2.67	<0.0705	76	26.1 - 160
Di-n-octylphthalate		1	2.06	mg/Kg	1	2.67	<0.0680	77	32.5 - 126
Benzo(b)fluoranthene		1	1.89	mg/Kg	1	2.67	<0.0382	71	33.4 - 90.2
7,12-Dimethylbenz(a)anthracene		1	1.91	mg/Kg	1	2.67	<0.0294	72	37.1 - 84.9
Benzo(k)fluoranthene	Qs	1	2.20	mg/Kg	1	2.67	<0.0469	82	50.6 - 77.7
Benzo(a)pyrene		1	1.97	mg/Kg	1	2.67	<0.0445	74	43 - 85.7
3-Methylcholanthrene		1	1.96	mg/Kg	1	2.67	<0.0322	73	14.5 - 105
Dibenzo(a,j)acridine		1	1.97	mg/Kg	1	2.67	<0.0646	74	42.3 - 87.6
Indeno(1,2,3-cd)pyrene		1	1.98	mg/Kg	1	2.67	<0.0430	74	43.8 - 89.5
Dibenzo(a,h)anthracene		1	1.98	mg/Kg	1	2.67	<0.0472	74	17.8 - 129
Benzo(g,h,i)perylene		1	1.96	mg/Kg	1	2.67	<0.0421	73	38.5 - 95.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Pyridine		1	1.07	mg/Kg	1	2.67	<0.0360	40	10 - 74.9	5	20
N-Nitrosodimethylamine		1	1.21	mg/Kg	1	2.67	<0.0663	45	10.6 - 81.1	6	20
2-Picoline		1	1.28	mg/Kg	1	2.67	<0.0564	48	20.9 - 76.8	5	20
Methyl methanesulfonate		1	1.13	mg/Kg	1	2.67	<0.0517	42	19.1 - 71.3	8	20
Ethyl methanesulfonate		1	1.24	mg/Kg	1	2.67	<0.0564	46	22.4 - 86.3	8	20
Phenol		1	1.14	mg/Kg	1	2.67	<0.0440	43	14.4 - 85.2	11	20
Aniline		1	1.24	mg/Kg	1	2.67	<0.0521	46	10 - 95.4	8	20
bis(2-chloroethyl)ether		1	1.23	mg/Kg	1	2.67	<0.0481	46	13.8 - 95.3	9	20
2-Chlorophenol		1	1.24	mg/Kg	1	2.67	<0.0448	46	21.9 - 83.8	7	20
1,3-Dichlorobenzene (meta)		1	1.22	mg/Kg	1	2.67	<0.0343	46	25.3 - 80.6	6	20
1,4-Dichlorobenzene (para)		1	1.21	mg/Kg	1	2.67	<0.0287	45	19 - 77	7	20
Benzyl alcohol		1	1.33	mg/Kg	1	2.67	<0.0254	50	10 - 125	15	20
1,2-Dichlorobenzene (ortho)		1	1.20	mg/Kg	1	2.67	<0.0583	45	23.5 - 81.2	7	20
2-Methylphenol		1	1.26	mg/Kg	1	2.67	<0.0360	47	19.1 - 83.2	10	20
bis(2-chloroisopropyl)ether		1	1.16	mg/Kg	1	2.67	<0.0539	43	17.2 - 84.2	9	20
4-Methylphenol / 3-Methylphenol		1	1.29	mg/Kg	1	2.67	<0.0586	48	18.7 - 88.6	16	20
Acetophenone		1	1.34	mg/Kg	1	2.67	<0.0339	50	34.1 - 80.5	5	20
N-Nitrosodi-n-propylamine		1	1.27	mg/Kg	1	2.67	<0.0529	48	23.3 - 85.4	16	20
Hexachloroethane		1	1.23	mg/Kg	1	2.67	<0.0526	46	24.3 - 74.9	4	20
Nitrobenzene		1	1.47	mg/Kg	1	2.67	<0.0414	55	29 - 76.7	5	20
N-Nitrosopiperidine		1	1.42	mg/Kg	1	2.67	<0.0481	53	27.8 - 97.8	10	20
Isophorone		1	1.43	mg/Kg	1	2.67	<0.0540	54	28 - 90	10	20
2-Nitrophenol		1	1.86	mg/Kg	1	2.67	<0.0471	70	18 - 111	4	20
2,4-Dimethylphenol		1	1.37	mg/Kg	1	2.67	<0.0398	51	32.6 - 88.3	10	20
bis(2-chloroethoxy)methane		1	1.33	mg/Kg	1	2.67	<0.0514	50	19.9 - 98.1	8	20
Benzoic acid		1	2.26	mg/Kg	1	2.67	<0.0398	85	10 - 119	6	20
2,4-Dichlorophenol		1	1.42	mg/Kg	1	2.67	<0.0310	53	35.5 - 90	11	20
1,2,4-Trichlorobenzene		1	1.29	mg/Kg	1	2.67	<0.0338	48	32.5 - 81.2	4	20
Naphthalene		1	1.28	mg/Kg	1	2.67	<0.0543	48	33.4 - 80.7	8	20
4-Chloroaniline		1	1.42	mg/Kg	1	2.67	<0.0410	53	10 - 176	12	20
2,6-Dichlorophenol		1	1.40	mg/Kg	1	2.67	<0.0351	52	37.5 - 83.9	10	20
Hexachlorobutadiene		1	1.27	mg/Kg	1	2.67	<0.0388	48	28.5 - 80.1	3	20
N-Nitroso-di-n-butylamine		1	1.48	mg/Kg	1	2.67	<0.0549	55	27.3 - 97.7	16	20
4-Chloro-3-methylphenol		1	1.66	mg/Kg	1	2.67	<0.0266	62	10 - 120	14	20
1-Methylnaphthalene			1.33	mg/Kg	1	2.67	<0.0526	50	32.5 - 85	13	20
2-Methylnaphthalene		1	1.33	mg/Kg	1	2.67	<0.0482	50	33.7 - 84	13	20
1,2,4,5-Tetrachlorobenzene		1	1.33	mg/Kg	1	2.67	<0.0387	50	27 - 91.3	4	20
Hexachlorocyclopentadiene		1	2.33	mg/Kg	1	2.67	<0.0978	87	10 - 140	0	20
2,4,6-Trichlorophenol		1	1.77	mg/Kg	1	2.67	<0.0444	66	39.3 - 106	6	20
2,4,5-Trichlorophenol		1	2.07	mg/Kg	1	2.67	<0.0564	78	42.6 - 103	5	20
2-Chloronaphthalene		1	1.37	mg/Kg	1	2.67	<0.0471	51	35.4 - 85.2	10	20
1-Chloronaphthalene		1	1.42	mg/Kg	1	2.67	<0.0589	53	30.8 - 90.6	1	20
2-Nitroaniline		1	2.12	mg/Kg	1	2.67	<0.0410	79	43.6 - 96.3	3	20
Dimethylphthalate		1	1.86	mg/Kg	1	2.67	<0.0620	70	48.1 - 98.9	5	20
Acenaphthylene		1	1.51	mg/Kg	1	2.67	<0.0555	56	36.3 - 89.5	7	20
2,6-Dinitrotoluene		1	2.35	mg/Kg	1	2.67	<0.0556	88	42 - 117	1	20
3-Nitroaniline		1	2.33	mg/Kg	1	2.67	<0.0465	87	38.9 - 114	2	20
Acenaphthene		1	1.55	mg/Kg	1	2.67	<0.0558	58	37.5 - 91.6	7	20

continued ...

control spikes continued . . .

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
2,4-Dinitrophenol		1	2.45	mg/Kg	1	2.67	<0.0835	92	10 - 122	1	20
Dibenzofuran		1	1.61	mg/Kg	1	2.67	<0.0443	60	46.5 - 90.4	5	20
Pentachlorobenzene		1	1.67	mg/Kg	1	2.67	<0.0480	62	43.9 - 89.2	6	20
4-Nitrophenol		1	2.42	mg/Kg	1	2.67	<0.0221	91	10 - 124	3	20
1-Naphthylamine		1	1.70	mg/Kg	1	2.67	<0.0343	64	14.6 - 119	2	20
2,4-Dinitrotoluene		1	2.35	mg/Kg	1	2.67	<0.0631	88	60.8 - 104	1	20
2-Naphthylamine		1	1.68	mg/Kg	1	2.67	<0.0504	63	26.2 - 112	2	20
2,3,4,6-Tetrachlorophenol		1	2.50	mg/Kg	1	2.67	<0.0211	94	36.4 - 128	3	20
Fluorene		1	1.76	mg/Kg	1	2.67	<0.0623	66	51 - 89.2	5	20
Diethylphthalate		1	2.02	mg/Kg	1	2.67	<0.0543	76	51.7 - 100	2	20
4-Chlorophenyl-phenylether		1	1.71	mg/Kg	1	2.67	<0.0470	64	51.3 - 88.3	7	20
4-Nitroaniline		1	2.32	mg/Kg	1	2.67	<0.104	87	52.1 - 124	1	20
4,6-Dinitro-2-methylphenol		1	2.76	mg/Kg	1	2.67	<0.0875	103	10 - 162	5	20
Diphenylamine		1	2.00	mg/Kg	1	2.67	<0.0564	75	51.6 - 91.4	9	20
Diphenylhydrazine			1.75	mg/Kg	1	2.67	<0.0644	66	40.7 - 96.5	6	20
4-Bromophenyl-phenylether		1	1.98	mg/Kg	1	2.67	<0.0512	74	42.5 - 100	9	20
Phenacetin		1	1.98	mg/Kg	1	2.67	<0.0522	74	60.3 - 86.2	4	20
Hexachlorobenzene		1	1.78	mg/Kg	1	2.67	<0.0446	67	43.4 - 101	7	20
4-Aminobiphenyl		1	2.21	mg/Kg	1	2.67	<0.0352	83	10.3 - 135	5	20
Pentachlorophenol		1	2.76	mg/Kg	1	2.67	<0.0580	103	10 - 142	4	20
Pentachloronitrobenzene		1	2.16	mg/Kg	1	2.67	<0.0346	81	46 - 105	5	20
Pronamide		1	1.96	mg/Kg	1	2.67	<0.0580	73	48.4 - 98.5	5	20
Phenanthrene		1	1.86	mg/Kg	1	2.67	<0.0536	70	54.2 - 91	5	20
Anthracene		1	1.86	mg/Kg	1	2.67	<0.0361	70	51.1 - 94.8	6	20
Di-n-butylphthalate		1	1.98	mg/Kg	1	2.67	<0.0529	74	47.1 - 103	4	20
Fluoranthene		1	1.91	mg/Kg	1	2.67	<0.0341	72	47.9 - 101	3	20
Benzidine		1	2.67	mg/Kg	1	2.67	<0.0686	100	10 - 219	9	20
Pyrene		1	1.97	mg/Kg	1	2.67	<0.0390	74	55.4 - 94.3	4	20
p-Dimethylaminoazobenzene			1.96	mg/Kg	1	2.67	<0.0525	73	54.4 - 108	3	20
Butylbenzylphthalate		1	1.97	mg/Kg	1	2.67	<0.0687	74	47.5 - 108	5	20
Benzo(a)anthracene		1	1.83	mg/Kg	1	2.67	<0.0372	68	49.8 - 103	4	20
3,3-Dichlorobenzidine		1	2.06	mg/Kg	1	2.67	<0.0490	77	33.7 - 116	4	20
Chrysene		1	1.84	mg/Kg	1	2.67	<0.0498	69	19.5 - 151	6	20
bis(2-ethylhexyl)phthalate		1	1.94	mg/Kg	1	2.67	<0.0705	73	26.1 - 160	4	20
Di-n-octylphthalate		1	1.96	mg/Kg	1	2.67	<0.0680	73	32.5 - 126	5	20
Benzo(b)fluoranthene		1	1.78	mg/Kg	1	2.67	<0.0382	67	33.4 - 90.2	6	20
7,12-Dimethylbenz(a)anthracene		1	1.80	mg/Kg	1	2.67	<0.0294	67	37.1 - 84.9	6	20
Benzo(k)fluoranthene		1	2.02	mg/Kg	1	2.67	<0.0469	76	50.6 - 77.7	8	20
Benzo(a)pyrene		1	1.85	mg/Kg	1	2.67	<0.0445	69	43 - 85.7	6	20
3-Methylcholanthrene		1	1.81	mg/Kg	1	2.67	<0.0322	68	14.5 - 105	8	20
Dibenzo(a,j)acridine		1	1.85	mg/Kg	1	2.67	<0.0646	69	42.3 - 87.6	6	20
Indeno(1,2,3-cd)pyrene		1	1.85	mg/Kg	1	2.67	<0.0430	69	43.8 - 89.5	7	20
Dibenzo(a,h)anthracene		1	1.84	mg/Kg	1	2.67	<0.0472	69	17.8 - 129	7	20
Benzo(g,h,i)perylene		1	1.85	mg/Kg	1	2.67	<0.0421	69	38.5 - 95.2	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol			1.25	1.18	mg/Kg	1	2.67	47	44	10 - 88
Phenol-d5			1.36	1.22	mg/Kg	1	2.67	51	46	10 - 100
Nitrobenzene-d5			1.62	1.55	mg/Kg	1	2.67	61	58	10 - 89.7
2-Fluorobiphenyl			1.47	1.40	mg/Kg	1	2.67	55	52	13 - 93
2,4,6-Tribromophenol			2.60	2.55	mg/Kg	1	2.67	97	96	10 - 99.4
Terphenyl-d14			2.04	1.96	mg/Kg	1	2.67	76	73	38.9 - 94.4

Laboratory Control Spike (LCS-1)

QC Batch: 84229 | Date Analyzed: 2011-08-24 | Analyzed By: DS
Prep Batch: 71517 | QC Preparation: 2011-08-24 | Prepared By: DS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Aroclor 1260 (PCB-1260)		1	0.0554	mg/Kg	1	0.0640	<0.00121	86	41.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Aroclor 1260 (PCB-1260)		1	0.0548	mg/Kg	1	0.0640	<0.00121	86	41.3 - 118	1	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Deca chlorobiphenyl			0.0121	0.0119	mg/Kg	1	0.0167	72	71	58.7 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 84230 | Date Analyzed: 2011-08-24 | Analyzed By: DS
Prep Batch: 71517 | QC Preparation: 2011-08-24 | Prepared By: DS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Aroclor 1260 (PCB-1260)		1	0.0536	mg/Kg	1	0.0640	<0.00121	84	41.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Aroclor 1260 (PCB-1260)		1	0.0530	mg/Kg	1	0.0640	<0.00121	83	41.3 - 118	1	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Deca chlorobiphenyl			0.0104	0.0105	mg/Kg	1	0.0167	62	63	58.7 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 84256 | Date Analyzed: 2011-08-25 | Analyzed By: TP
Prep Batch: 71528 | QC Preparation: 2011-08-25 | Prepared By: TP

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury		1	0.265	mg/Kg	1	0.250	<0.00198	106	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury		1	0.259	mg/Kg	1	0.250	<0.00198	104	80 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 84257 | Date Analyzed: 2011-08-25 | Analyzed By: TP
Prep Batch: 71528 | QC Preparation: 2011-08-25 | Prepared By: TP

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury		1	0.265	mg/Kg	1	0.250	<0.00198	106	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury		1	0.259	mg/Kg	1	0.250	<0.00198	104	80 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 84305 | Date Analyzed: 2011-08-29 | Analyzed By: RR
Prep Batch: 71521 | QC Preparation: 2011-08-25 | Prepared By: KV

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver		1	12.3	mg/Kg	1	12.5	<0.0665	98	85 - 115
Total Arsenic		1	45.5	mg/Kg	1	50.0	<0.191	91	85 - 115
Total Barium		1	96.6	mg/Kg	1	100	<0.0163	97	85 - 115
Total Cadmium		1	25.6	mg/Kg	1	25.0	<0.0222	102	85 - 115
Total Chromium		1	9.79	mg/Kg	1	10.0	<0.0477	98	85 - 115
Total Lead		1	49.3	mg/Kg	1	50.0	<0.0905	99	85 - 115
Total Selenium		1	45.1	mg/Kg	1	50.0	<0.298	90	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver		1	12.4	mg/Kg	1	12.5	<0.0665	99	85 - 115	1	20
Total Arsenic		1	47.1	mg/Kg	1	50.0	<0.191	94	85 - 115	3	20
Total Barium		1	101	mg/Kg	1	100	<0.0163	101	85 - 115	4	20
Total Cadmium		1	25.7	mg/Kg	1	25.0	<0.0222	103	85 - 115	0	20
Total Chromium		1	9.95	mg/Kg	1	10.0	<0.0477	100	85 - 115	2	20
Total Lead		1	51.0	mg/Kg	1	50.0	<0.0905	102	85 - 115	3	20
Total Selenium		1	47.8	mg/Kg	1	50.0	<0.298	96	85 - 115	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 275023

QC Batch: 84100 Date Analyzed: 2011-08-19 Analyzed By: KB
Prep Batch: 71410 QC Preparation: 2011-08-19 Prepared By: KB

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		1	1260	µg/Kg	1	1000	<6.32	126	34.3 - 179
Dichlorodifluoromethane		1	867	µg/Kg	1	1000	<14.8	87	10 - 172
Chloromethane (methyl chloride)		1	973	µg/Kg	1	1000	<4.71	97	10 - 209
Vinyl Chloride		1	1060	µg/Kg	1	1000	<13.4	106	10 - 185
Bromomethane (methyl bromide)		1	347	µg/Kg	1	1000	<6.35	35	10 - 60.4
Chloroethane		1	241	µg/Kg	1	1000	<9.44	24	10 - 41.2
Trichlorofluoromethane		1	920	µg/Kg	1	1000	<14.5	92	10 - 179
Acetone		1	846	µg/Kg	1	1000	<17.8	85	10 - 158
Iodomethane (methyl iodide)		1	1290	µg/Kg	1	1000	<5.41	129	14.3 - 180
Carbon Disulfide		1	1390	µg/Kg	1	1000	<5.35	139	12.4 - 169
Acrylonitrile		1	1020	µg/Kg	1	1000	<4.14	102	13.5 - 169
2-Butanone (MEK)		1	888	µg/Kg	1	1000	<9.84	89	15 - 153
4-Methyl-2-pentanone (MIBK)		1	938	µg/Kg	1	1000	<8.20	94	24.5 - 153
2-Hexanone		1	761	µg/Kg	1	1000	<8.76	76	16 - 133
trans 1,4-Dichloro-2-butene		1	715	µg/Kg	1	1000	<4.93	72	10 - 175
1,1-Dichloroethene		1	1300	µg/Kg	1	1000	<5.79	130	21.3 - 204
Methylene chloride		1	1280	µg/Kg	1	1000	15.6	126	29.6 - 183
MTBE		1	1060	µg/Kg	1	1000	<4.10	106	10 - 231

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matrix spikes continued ...

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
trans-1,2-Dichloroethene		1	1300	µg/Kg	1	1000	<6.29	130	34.8 - 179
1,1-Dichloroethane		1	1210	µg/Kg	1	1000	<5.57	121	27.5 - 185
cis-1,2-Dichloroethene		1	1310	µg/Kg	1	1000	<5.26	131	35.1 - 181
2,2-Dichloropropane		1	844	µg/Kg	1	1000	<5.63	84	10 - 151
1,2-Dichloroethane (EDC)		1	981	µg/Kg	1	1000	<5.15	98	14.8 - 178
Chloroform		1	1170	µg/Kg	1	1000	<4.16	117	26.3 - 182
1,1,1-Trichloroethane		1	1110	µg/Kg	1	1000	<6.24	111	17.1 - 168
1,1-Dichloropropene		1	1240	µg/Kg	1	1000	<5.91	124	26.8 - 187
Benzene		1	1270	µg/Kg	1	1000	<6.07	127	22.1 - 195
Carbon Tetrachloride		1	1060	µg/Kg	1	1000	<5.11	106	16.1 - 167
1,2-Dichloropropane		1	1240	µg/Kg	1	1000	<5.72	124	33.8 - 184
Trichloroethene (TCE)		1	1420	µg/Kg	1	1000	<6.27	142	24 - 242
Dibromomethane (methylene bromide)		1	1070	µg/Kg	1	1000	<4.27	107	27.3 - 170
Bromodichloromethane		1	1040	µg/Kg	1	1000	<7.65	104	19.3 - 174
2-Chloroethyl vinyl ether		1	1170	µg/Kg	1	1000	<5.27	117	17.8 - 166
cis-1,3-Dichloropropene		1	1140	µg/Kg	1	1000	<5.54	114	28 - 184
trans-1,3-Dichloropropene		1	1070	µg/Kg	1	1000	<4.16	107	19.8 - 185
Toluene		1	1280	µg/Kg	1	1000	<7.42	128	27.8 - 194
1,1,2-Trichloroethane		1	1020	µg/Kg	1	1000	<6.33	102	33.2 - 163
1,3-Dichloropropane		1	1030	µg/Kg	1	1000	<6.15	103	31 - 168
Dibromochloromethane		1	960	µg/Kg	1	1000	<6.63	96	17.4 - 163
1,2-Dibromoethane (EDB)		1	1060	µg/Kg	1	1000	<6.11	106	26.1 - 167
Tetrachloroethene (PCE)		1	1910	µg/Kg	1	1000	<12.7	191	19 - 251
Chlorobenzene		1	1250	µg/Kg	1	1000	<7.83	125	37 - 179
1,1,1,2-Tetrachloroethane		1	1130	µg/Kg	1	1000	<4.71	113	23.9 - 180
Ethylbenzene		1	1270	µg/Kg	1	1000	<7.70	127	29.1 - 191
m,p-Xylene		1	2480	µg/Kg	1	2000	<14.7	124	33.8 - 188
Bromoform		1	809	µg/Kg	1	1000	<5.65	81	10 - 145
Styrene		1	1260	µg/Kg	1	1000	<7.89	126	36.3 - 186
o-Xylene		1	1240	µg/Kg	1	1000	<7.92	124	31.2 - 188
1,1,2,2-Tetrachloroethane		1	742	µg/Kg	1	1000	<5.15	74	10 - 158
2-Chlorotoluene		1	1320	µg/Kg	1	1000	<8.18	132	32.8 - 183
1,2,3-Trichloropropane		1	1150	µg/Kg	1	1000	<7.71	115	22.7 - 157
Isopropylbenzene		1	1450	µg/Kg	1	1000	<9.13	145	38.3 - 191
Bromobenzene		1	1220	µg/Kg	1	1000	<6.72	122	31.8 - 172
n-Propylbenzene		1	1420	µg/Kg	1	1000	<7.57	142	40.1 - 190
1,3,5-Trimethylbenzene		1	1400	µg/Kg	1	1000	<8.63	140	36.9 - 190
tert-Butylbenzene		1	1510	µg/Kg	1	1000	<8.05	151	38.5 - 198
1,2,4-Trimethylbenzene		1	1420	µg/Kg	1	1000	<7.83	142	36.7 - 194
1,4-Dichlorobenzene (para)		1	1240	µg/Kg	1	1000	<8.73	124	38.3 - 178
sec-Butylbenzene		1	1500	µg/Kg	1	1000	<7.27	150	41.6 - 201
1,3-Dichlorobenzene (meta)		1	1320	µg/Kg	1	1000	<7.14	132	39.4 - 181
p-Isopropyltoluene			1540	µg/Kg	1	1000	<6.27	154	37.3 - 209
4-Chlorotoluene		1	1310	µg/Kg	1	1000	<9.32	131	36.2 - 183
1,2-Dichlorobenzene (ortho)		1	1190	µg/Kg	1	1000	<9.10	119	39.4 - 172
n-Butylbenzene		1	1530	µg/Kg	1	1000	<7.29	153	34.1 - 211
1,2-Dibromo-3-chloropropane			610	µg/Kg	1	1000	<7.61	61	12.4 - 120

continued ...

matrix spikes continued . . .

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2,3-Trichlorobenzene		1	617	µg/Kg	1	1000	<7.32	62	14.1 - 174
1,2,4-Trichlorobenzene		1	842	µg/Kg	1	1000	<6.66	84	21.5 - 196
Naphthalene		1	502	µg/Kg	1	1000	<7.66	50	10 - 162
Hexachlorobutadiene		1	1300	µg/Kg	1	1000	<12.3	130	33.5 - 215

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		1	1060	µg/Kg	1	1000	<6.32	106	34.3 - 179	17	20
Dichlorodifluoromethane	Qr	1	698	µg/Kg	1	1000	<14.8	70	10 - 172	22	20
Chloromethane (methyl chloride)		1	797	µg/Kg	1	1000	<4.71	80	10 - 209	20	20
Vinyl Chloride		1	888	µg/Kg	1	1000	<13.4	89	10 - 185	18	20
Bromomethane (methyl bromide)	Qr	1	270	µg/Kg	1	1000	<6.35	27	10 - 60.4	25	20
Chloroethane	Qr	1	188	µg/Kg	1	1000	<9.44	19	10 - 41.2	25	20
Trichlorofluoromethane	Qr	1	734	µg/Kg	1	1000	<14.5	73	10 - 179	22	20
Acetone		1	851	µg/Kg	1	1000	<17.8	85	10 - 158	1	20
Iodomethane (methyl iodide)		1	1090	µg/Kg	1	1000	<5.41	109	14.3 - 180	17	20
Carbon Disulfide		1	1170	µg/Kg	1	1000	<5.35	117	12.4 - 169	17	20
Acrylonitrile		1	845	µg/Kg	1	1000	<4.14	84	13.5 - 169	19	20
2-Butanone (MEK)		1	763	µg/Kg	1	1000	<9.84	76	15 - 153	15	20
4-Methyl-2-pentanone (MIBK)		1	786	µg/Kg	1	1000	<8.20	79	24.5 - 153	18	20
2-Hexanone		1	638	µg/Kg	1	1000	<8.76	64	16 - 133	18	20
trans 1,4-Dichloro-2-butene		1	588	µg/Kg	1	1000	<4.93	59	10 - 175	20	20
1,1-Dichloroethene		1	1100	µg/Kg	1	1000	<5.79	110	21.3 - 204	17	20
Methylene chloride		1	1080	µg/Kg	1	1000	15.6	106	29.6 - 183	17	20
MTBE		1	893	µg/Kg	1	1000	<4.10	89	10 - 231	17	20
trans-1,2-Dichloroethene		1	1100	µg/Kg	1	1000	<6.29	110	34.8 - 179	17	20
1,1-Dichloroethane		1	1000	µg/Kg	1	1000	<5.57	100	27.5 - 185	19	20
cis-1,2-Dichloroethene		1	1110	µg/Kg	1	1000	<5.26	111	35.1 - 181	16	20
2,2-Dichloropropane		1	705	µg/Kg	1	1000	<5.63	70	10 - 151	18	20
1,2-Dichloroethane (EDC)		1	814	µg/Kg	1	1000	<5.15	81	14.8 - 178	19	20
Chloroform		1	965	µg/Kg	1	1000	<4.16	96	26.3 - 182	19	20
1,1,1-Trichloroethane		1	919	µg/Kg	1	1000	<6.24	92	17.1 - 168	19	20
1,1-Dichloropropene		1	1030	µg/Kg	1	1000	<5.91	103	26.8 - 187	18	20
Benzene		1	1080	µg/Kg	1	1000	<6.07	108	22.1 - 195	16	20
Carbon Tetrachloride		1	900	µg/Kg	1	1000	<5.11	90	16.1 - 167	16	20
1,2-Dichloropropane		1	1040	µg/Kg	1	1000	<5.72	104	33.8 - 184	18	20
Trichloroethene (TCE)		1	1200	µg/Kg	1	1000	<6.27	120	24 - 242	17	20
Dibromomethane (methylene bromide)		1	898	µg/Kg	1	1000	<4.27	90	27.3 - 170	18	20
Bromodichloromethane		1	869	µg/Kg	1	1000	<7.65	87	19.3 - 174	18	20
2-Chloroethyl vinyl ether		1	1010	µg/Kg	1	1000	<5.27	101	17.8 - 166	15	20
cis-1,3-Dichloropropene		1	943	µg/Kg	1	1000	<5.54	94	28 - 184	19	20
trans-1,3-Dichloropropene		1	882	µg/Kg	1	1000	<4.16	88	19.8 - 185	19	20
Toluene		1	1070	µg/Kg	1	1000	<7.42	107	27.8 - 194	18	20
1,1,2-Trichloroethane		1	870	µg/Kg	1	1000	<6.33	87	33.2 - 163	16	20
1,3-Dichloropropane		1	869	µg/Kg	1	1000	<6.15	87	31 - 168	17	20
Dibromochloromethane		1	801	µg/Kg	1	1000	<6.63	80	17.4 - 163	18	20

continued . . .

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dibromoethane (EDB)		1	882	µg/Kg	1	1000	<6.11	88	26.1 - 167	18	20
Tetrachloroethene (PCE)		1	1600	µg/Kg	1	1000	<12.7	160	19 - 251	18	20
Chlorobenzene		1	1050	µg/Kg	1	1000	<7.83	105	37 - 179	17	20
1,1,1,2-Tetrachloroethane		1	943	µg/Kg	1	1000	<4.71	94	23.9 - 180	18	20
Ethylbenzene		1	1070	µg/Kg	1	1000	<7.70	107	29.1 - 191	17	20
m,p-Xylene		1	2080	µg/Kg	1	2000	<14.7	104	33.8 - 188	18	20
Bromoform		1	673	µg/Kg	1	1000	<5.65	67	10 - 145	18	20
Styrene		1	1060	µg/Kg	1	1000	<7.89	106	36.3 - 186	17	20
o-Xylene		1	1040	µg/Kg	1	1000	<7.92	104	31.2 - 188	18	20
1,1,2,2-Tetrachloroethane		1	628	µg/Kg	1	1000	<5.15	63	10 - 158	17	20
2-Chlorotoluene		1	1110	µg/Kg	1	1000	<8.18	111	32.8 - 183	17	20
1,2,3-Trichloropropane		1	956	µg/Kg	1	1000	<7.71	96	22.7 - 157	18	20
Isopropylbenzene		1	1220	µg/Kg	1	1000	<9.13	122	38.3 - 191	17	20
Bromobenzene		1	1010	µg/Kg	1	1000	<6.72	101	31.8 - 172	19	20
n-Propylbenzene		1	1210	µg/Kg	1	1000	<7.57	121	40.1 - 190	16	20
1,3,5-Trimethylbenzene		1	1180	µg/Kg	1	1000	<8.63	118	36.9 - 190	17	20
tert-Butylbenzene		1	1290	µg/Kg	1	1000	<8.05	129	38.5 - 198	16	20
1,2,4-Trimethylbenzene		1	1200	µg/Kg	1	1000	<7.83	120	36.7 - 194	17	20
1,4-Dichlorobenzene (para)		1	1070	µg/Kg	1	1000	<8.73	107	38.3 - 178	15	20
sec-Butylbenzene		1	1280	µg/Kg	1	1000	<7.27	128	41.6 - 201	16	20
1,3-Dichlorobenzene (meta)		1	1130	µg/Kg	1	1000	<7.14	113	39.4 - 181	16	20
p-Isopropyltoluene			1310	µg/Kg	1	1000	<6.27	131	37.3 - 209	16	20
4-Chlorotoluene		1	1100	µg/Kg	1	1000	<9.32	110	36.2 - 183	17	20
1,2-Dichlorobenzene (ortho)		1	1020	µg/Kg	1	1000	<9.10	102	39.4 - 172	15	20
n-Butylbenzene		1	1350	µg/Kg	1	1000	<7.29	135	34.1 - 211	12	20
1,2-Dibromo-3-chloropropane			522	µg/Kg	1	1000	<7.61	52	12.4 - 120	16	20
1,2,3-Trichlorobenzene		1	685	µg/Kg	1	1000	<7.32	68	14.1 - 174	10	20
1,2,4-Trichlorobenzene		1	847	µg/Kg	1	1000	<6.66	85	21.5 - 196	1	20
Naphthalene		1	579	µg/Kg	1	1000	<7.66	58	10 - 162	14	20
Hexachlorobutadiene		1	1260	µg/Kg	1	1000	<12.3	126	33.5 - 215	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane			925	925	µg/Kg	1	1000	92	92	70 - 130
Toluene-d8			963	958	µg/Kg	1	1000	96	96	70 - 130
4-Bromofluorobenzene (4-BFB)			906	908	µg/Kg	1	1000	91	91	70 - 130

Matrix Spike (MS-1) Spiked Sample: 275016

QC Batch: 84122 | Date Analyzed: 2011-08-22 | Analyzed By: RR
Prep Batch: 71419 | QC Preparation: 2011-08-22 | Prepared By: KV

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver		1	12.4	mg/Kg	1	12.5	<0.0369	99	75 - 125
Total Arsenic		1	54.7	mg/Kg	1	50.0	2.49	104	75 - 125
Total Barium		1	265	mg/Kg	1	100	156	109	75 - 125
Total Cadmium		1	25.7	mg/Kg	1	25.0	<0.0558	103	75 - 125
Total Chromium		1	22.4	mg/Kg	1	10.0	12.3	101	75 - 125
Total Lead		1	80.5	mg/Kg	1	50.0	28.3	104	75 - 125
Total Selenium		1	52.0	mg/Kg	1	50.0	<0.212	104	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver		1	12.3	mg/Kg	1	12.5	<0.0369	98	75 - 125	1	20
Total Arsenic		1	54.2	mg/Kg	1	50.0	2.49	103	75 - 125	1	20
Total Barium		1	253	mg/Kg	1	100	156	97	75 - 125	5	20
Total Cadmium		1	26.1	mg/Kg	1	25.0	<0.0558	104	75 - 125	2	20
Total Chromium		1	22.7	mg/Kg	1	10.0	12.3	104	75 - 125	1	20
Total Lead		1	78.6	mg/Kg	1	50.0	28.3	101	75 - 125	2	20
Total Selenium		1	51.6	mg/Kg	1	50.0	<0.212	103	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 274986

QC Batch: 84158 Date Analyzed: 2011-08-21 Analyzed By: BP
Prep Batch: 71448 QC Preparation: 2011-08-19 Prepared By: EB

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
C6-C12	Qs	1	7610	mg/Kg	1	250	7440	68	75 - 114
>C12-C28		1	625	mg/Kg	1	250	474	60	50.8 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
C6-C12	Qs	1	7600	mg/Kg	1	250	7440	64	75 - 114	0	20
>C12-C28		1	626	mg/Kg	1	250	474	61	50.8 - 119	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Octane	Qsr		144	144	mg/Kg	1	100	144	144	55.1 - 140
n-Tricosane			92.0	91.8	mg/Kg	1	100	92	92	65.2 - 142
n-Triacontane			101	100	mg/Kg	1	100	101	100	68.8 - 145

Matrix Spike (MS-1) Spiked Sample: 275027

QC Batch: 84159 | Date Analyzed: 2011-08-21 | Analyzed By: BP
Prep Batch: 71449 | QC Preparation: 2011-08-19 | Prepared By: EB

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
C6-C12		1	284	mg/Kg	1	250	<12.9	114	75 - 114
>C12-C28		1	267	mg/Kg	1	250	<11.2	107	50.8 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
C6-C12	Qs	1	286	mg/Kg	1	250	<12.9	114	75 - 114	1	20
>C12-C28		1	267	mg/Kg	1	250	<11.2	107	50.8 - 119	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Octane			104	103	mg/Kg	1	100	104	103	55.1 - 140
n-Tricosane			91.2	91.1	mg/Kg	1	100	91	91	65.2 - 142
n-Triacontane			104	103	mg/Kg	1	100	104	103	68.8 - 145

Matrix Spike (MS-1) Spiked Sample: 275031

QC Batch: 84211 | Date Analyzed: 2011-08-24 | Analyzed By: MN
Prep Batch: 71498 | QC Preparation: 2011-08-23 | Prepared By: MN

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Pyridine		1	1.10	mg/Kg	1	2.67	<0.0360	41	10 - 74.9
N-Nitrosodimethylamine		1	1.23	mg/Kg	1	2.67	<0.0663	46	10.6 - 81.1
2-Picoline		1	1.35	mg/Kg	1	2.67	<0.0564	50	20.9 - 76.8
Methyl methanesulfonate		1	1.22	mg/Kg	1	2.67	<0.0517	46	19.1 - 71.3
Ethyl methanesulfonate		1	1.43	mg/Kg	1	2.67	<0.0564	54	22.4 - 86.3
Phenol		1	1.28	mg/Kg	1	2.67	<0.0440	48	14.4 - 85.2
Aniline		1	1.37	mg/Kg	1	2.67	<0.0521	51	10 - 95.4
bis(2-chloroethyl)ether		1	1.32	mg/Kg	1	2.67	<0.0481	49	13.8 - 95.3
2-Chlorophenol		1	1.32	mg/Kg	1	2.67	<0.0448	49	21.9 - 83.8
1,3-Dichlorobenzene (meta)		1	1.24	mg/Kg	1	2.67	<0.0343	46	25.3 - 80.6
1,4-Dichlorobenzene (para)		1	1.24	mg/Kg	1	2.67	<0.0287	46	19 - 77
Benzyl alcohol		1	1.61	mg/Kg	1	2.67	<0.0254	60	10 - 125
1,2-Dichlorobenzene (ortho)		1	1.24	mg/Kg	1	2.67	<0.0583	46	23.5 - 81.2
2-Methylphenol		1	1.46	mg/Kg	1	2.67	<0.0360	55	19.1 - 83.2
bis(2-chloroisopropyl)ether		1	1.28	mg/Kg	1	2.67	<0.0539	48	17.2 - 84.2
4-Methylphenol / 3-Methylphenol		1	1.56	mg/Kg	1	2.67	<0.0586	58	18.7 - 88.6

continued ...

matrix spikes continued ...

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Acetophenone		1	1.35	mg/Kg	1	2.67	<0.0339	50	34.1 - 80.5
N-Nitrosodi-n-propylamine		1	1.56	mg/Kg	1	2.67	<0.0529	58	23.3 - 85.4
Hexachloroethane		1	1.24	mg/Kg	1	2.67	<0.0526	46	24.3 - 74.9
Nitrobenzene		1	1.49	mg/Kg	1	2.67	<0.0414	56	29 - 76.7
N-Nitrosopiperidine		1	1.54	mg/Kg	1	2.67	<0.0481	58	27.8 - 97.8
Isophorone		1	1.55	mg/Kg	1	2.67	<0.0540	58	28 - 90
2-Nitrophenol		1	1.76	mg/Kg	1	2.67	<0.0471	66	18 - 111
2,4-Dimethylphenol		1	1.46	mg/Kg	1	2.67	<0.0398	55	32.6 - 88.3
bis(2-chloroethoxy)methane		1	1.40	mg/Kg	1	2.67	<0.0514	52	19.9 - 98.1
Benzoic acid		1	1.48	mg/Kg	1	2.67	<0.0398	55	10 - 119
2,4-Dichlorophenol		1	1.52	mg/Kg	1	2.67	<0.0310	57	35.5 - 90
1,2,4-Trichlorobenzene		1	1.29	mg/Kg	1	2.67	<0.0338	48	32.5 - 81.2
Naphthalene		1	1.32	mg/Kg	1	2.67	<0.0543	49	33.4 - 80.7
4-Chloroaniline		1	1.57	mg/Kg	1	2.67	<0.0410	59	10 - 176
2,6-Dichlorophenol		1	1.49	mg/Kg	1	2.67	<0.0351	56	37.5 - 83.9
Hexachlorobutadiene		1	1.20	mg/Kg	1	2.67	<0.0388	45	28.5 - 80.1
N-Nitroso-di-n-butylamine		1	1.67	mg/Kg	1	2.67	<0.0549	62	27.3 - 97.7
4-Chloro-3-methylphenol		1	1.76	mg/Kg	1	2.67	<0.0266	66	10 - 120
1-Methylnaphthalene			1.47	mg/Kg	1	2.67	<0.0526	55	32.5 - 85
2-Methylnaphthalene		1	1.45	mg/Kg	1	2.67	<0.0482	54	33.7 - 84
1,2,4,5-Tetrachlorobenzene		1	1.32	mg/Kg	1	2.67	<0.0387	49	27 - 91.3
Hexachlorocyclopentadiene		1	1.94	mg/Kg	1	2.67	<0.0978	73	10 - 140
2,4,6-Trichlorophenol		1	1.68	mg/Kg	1	2.67	<0.0444	63	39.3 - 106
2,4,5-Trichlorophenol		1	1.82	mg/Kg	1	2.67	<0.0564	68	42.6 - 103
2-Chloronaphthalene		1	1.39	mg/Kg	1	2.67	<0.0471	52	35.4 - 85.2
1-Chloronaphthalene		1	1.42	mg/Kg	1	2.67	<0.0589	53	30.8 - 90.6
2-Nitroaniline		1	1.97	mg/Kg	1	2.67	<0.0410	74	43.6 - 96.3
Dimethylphthalate		1	1.68	mg/Kg	1	2.67	<0.0620	63	48.1 - 98.9
Acenaphthylene		1	1.49	mg/Kg	1	2.67	<0.0555	56	36.3 - 89.5
2,6-Dinitrotoluene		1	2.12	mg/Kg	1	2.67	<0.0556	79	42 - 117
3-Nitroaniline		1	2.04	mg/Kg	1	2.67	<0.0465	76	38.9 - 114
Acenaphthene		1	1.51	mg/Kg	1	2.67	<0.0558	56	37.5 - 91.6
2,4-Dinitrophenol		1	1.89	mg/Kg	1	2.67	<0.0835	71	10 - 122
Dibenzofuran		1	1.53	mg/Kg	1	2.67	<0.0443	57	46.5 - 90.4
Pentachlorobenzene		1	1.60	mg/Kg	1	2.67	<0.0480	60	43.9 - 89.2
4-Nitrophenol		1	1.94	mg/Kg	1	2.67	<0.0221	73	10 - 124
1-Naphthylamine		1	1.48	mg/Kg	1	2.67	<0.0343	55	14.6 - 119
2,4-Dinitrotoluene		1	2.12	mg/Kg	1	2.67	<0.0631	79	60.8 - 104
2-Naphthylamine		1	1.46	mg/Kg	1	2.67	<0.0504	55	26.2 - 112
2,3,4,6-Tetrachlorophenol		1	2.11	mg/Kg	1	2.67	<0.0211	79	36.4 - 128
Fluorene		1	1.61	mg/Kg	1	2.67	<0.0623	60	51 - 89.2
Diethylphthalate		1	1.69	mg/Kg	1	2.67	<0.0543	63	51.7 - 100
4-Chlorophenyl-phenylether		1	1.60	mg/Kg	1	2.67	<0.0470	60	51.3 - 88.3
4-Nitroaniline		1	1.96	mg/Kg	1	2.67	<0.104	73	52.1 - 124
4,6-Dinitro-2-methylphenol		1	2.20	mg/Kg	1	2.67	<0.0875	82	10 - 162
Diphenylamine		1	1.99	mg/Kg	1	2.67	<0.0564	74	51.6 - 91.4
Diphenylhydrazine			1.60	mg/Kg	1	2.67	<0.0644	60	40.7 - 96.5

continued ...

matrix spikes continued . . .

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
4-Bromophenyl-phenylether		1	2.00	mg/Kg	1	2.67	<0.0512	75	42.5 - 100
Phenacetin		1	1.77	mg/Kg	1	2.67	<0.0522	66	60.3 - 86.2
Hexachlorobenzene		1	1.74	mg/Kg	1	2.67	<0.0446	65	43.4 - 101
4-Aminobiphenyl		1	1.93	mg/Kg	1	2.67	<0.0352	72	10.3 - 135
Pentachlorophenol		1	2.39	mg/Kg	1	2.67	<0.0580	90	10 - 142
Pentachloronitrobenzene		1	1.96	mg/Kg	1	2.67	<0.0346	73	46 - 105
Pronamide		1	1.76	mg/Kg	1	2.67	<0.0580	66	48.4 - 98.5
Phenanthrene		1	1.75	mg/Kg	1	2.67	<0.0536	66	54.2 - 91
Anthracene		1	1.74	mg/Kg	1	2.67	<0.0361	65	51.1 - 94.8
Di-n-butylphthalate		1	1.75	mg/Kg	1	2.67	<0.0529	66	47.1 - 103
Fluoranthene		1	1.75	mg/Kg	1	2.67	<0.0341	66	47.9 - 101
Benzidine		1	2.99	mg/Kg	1	2.67	<0.0686	112	10 - 219
Pyrene		1	1.76	mg/Kg	1	2.67	<0.0390	66	55.4 - 94.3
p-Dimethylaminoazobenzene			1.74	mg/Kg	1	2.67	<0.0525	65	54.4 - 108
Butylbenzylphthalate		1	1.76	mg/Kg	1	2.67	<0.0687	66	47.5 - 108
Benzo(a)anthracene		1	1.65	mg/Kg	1	2.67	<0.0372	62	49.8 - 103
3,3-Dichlorobenzidine		1	1.90	mg/Kg	1	2.67	<0.0490	71	33.7 - 116
Chrysene		1	1.70	mg/Kg	1	2.67	<0.0498	64	19.5 - 151
bis(2-ethylhexyl)phthalate		1	1.72	mg/Kg	1	2.67	<0.0705	64	26.1 - 160
Di-n-octylphthalate		1	1.75	mg/Kg	1	2.67	<0.0680	66	32.5 - 126
Benzo(b)fluoranthene		1	1.52	mg/Kg	1	2.67	<0.0382	57	33.4 - 90.2
7,12-Dimethylbenz(a)anthracene		1	1.60	mg/Kg	1	2.67	<0.0294	60	37.1 - 84.9
Benzo(k)fluoranthene		1	1.77	mg/Kg	1	2.67	<0.0469	66	50.6 - 77.7
Benzo(a)pyrene		1	1.60	mg/Kg	1	2.67	<0.0445	60	43 - 85.7
3-Methylcholanthrene		1	1.57	mg/Kg	1	2.67	<0.0322	59	14.5 - 105
Dibenzo(a,j)acridine		1	1.58	mg/Kg	1	2.67	<0.0646	59	42.3 - 87.6
Indeno(1,2,3-cd)pyrene		1	1.57	mg/Kg	1	2.67	<0.0430	59	43.8 - 89.5
Dibenzo(a,h)anthracene		1	1.57	mg/Kg	1	2.67	<0.0472	59	17.8 - 129
Benzo(g,h,i)perylene		1	1.55	mg/Kg	1	2.67	<0.0421	58	38.5 - 95.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Pyridine		1	1.03	mg/Kg	1	2.67	<0.0360	38	10 - 74.9	7	20
N-Nitrosodimethylamine		1	1.18	mg/Kg	1	2.67	<0.0663	44	10.6 - 81.1	4	20
2-Picoline		1	1.28	mg/Kg	1	2.67	<0.0564	48	20.9 - 76.8	5	20
Methyl methanesulfonate		1	1.16	mg/Kg	1	2.67	<0.0517	43	19.1 - 71.3	5	20
Ethyl methanesulfonate		1	1.32	mg/Kg	1	2.67	<0.0564	49	22.4 - 86.3	8	20
Phenol		1	1.35	mg/Kg	1	2.67	<0.0440	50	14.4 - 85.2	5	20
Aniline		1	1.30	mg/Kg	1	2.67	<0.0521	49	10 - 95.4	5	20
bis(2-chloroethyl)ether		1	1.24	mg/Kg	1	2.67	<0.0481	46	13.8 - 95.3	6	20
2-Chlorophenol		1	1.27	mg/Kg	1	2.67	<0.0448	48	21.9 - 83.8	4	20
1,3-Dichlorobenzene (meta)		1	1.20	mg/Kg	1	2.67	<0.0343	45	25.3 - 80.6	3	20
1,4-Dichlorobenzene (para)		1	1.19	mg/Kg	1	2.67	<0.0287	44	19 - 77	4	20
Benzyl alcohol		1	1.50	mg/Kg	1	2.67	<0.0254	56	10 - 125	7	20
1,2-Dichlorobenzene (ortho)		1	1.19	mg/Kg	1	2.67	<0.0583	44	23.5 - 81.2	4	20
2-Methylphenol		1	1.37	mg/Kg	1	2.67	<0.0360	51	19.1 - 83.2	6	20

continued . . .

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
bis(2-chloroisopropyl)ether		1	1.19	mg/Kg	1	2.67	<0.0539	44	17.2 - 84.2	7	20
4-Methylphenol / 3-Methylphenol		1	1.45	mg/Kg	1	2.67	<0.0586	54	18.7 - 88.6	7	20
Acetophenone		1	1.31	mg/Kg	1	2.67	<0.0339	49	34.1 - 80.5	3	20
N-Nitrosodi-n-propylamine		1	1.45	mg/Kg	1	2.67	<0.0529	54	23.3 - 85.4	7	20
Hexachloroethane		1	1.18	mg/Kg	1	2.67	<0.0526	44	24.3 - 74.9	5	20
Nitrobenzene		1	1.43	mg/Kg	1	2.67	<0.0414	54	29 - 76.7	4	20
N-Nitrosopiperidine		1	1.47	mg/Kg	1	2.67	<0.0481	55	27.8 - 97.8	5	20
Isophorone		1	1.49	mg/Kg	1	2.67	<0.0540	56	28 - 90	4	20
2-Nitrophenol		1	1.77	mg/Kg	1	2.67	<0.0471	66	18 - 111	1	20
2,4-Dimethylphenol		1	1.42	mg/Kg	1	2.67	<0.0398	53	32.6 - 88.3	3	20
bis(2-chloroethoxy)methane		1	1.36	mg/Kg	1	2.67	<0.0514	51	19.9 - 98.1	3	20
Benzoic acid		1	1.53	mg/Kg	1	2.67	<0.0398	57	10 - 119	3	20
2,4-Dichlorophenol		1	1.48	mg/Kg	1	2.67	<0.0310	55	35.5 - 90	3	20
1,2,4-Trichlorobenzene		1	1.25	mg/Kg	1	2.67	<0.0338	47	32.5 - 81.2	3	20
Naphthalene		1	1.28	mg/Kg	1	2.67	<0.0543	48	33.4 - 80.7	3	20
4-Chloroaniline		1	1.53	mg/Kg	1	2.67	<0.0410	57	10 - 176	3	20
2,6-Dichlorophenol		1	1.46	mg/Kg	1	2.67	<0.0351	55	37.5 - 83.9	2	20
Hexachlorobutadiene		1	1.18	mg/Kg	1	2.67	<0.0388	44	28.5 - 80.1	2	20
N-Nitroso-di-n-butylamine		1	1.64	mg/Kg	1	2.67	<0.0549	61	27.3 - 97.7	2	20
4-Chloro-3-methylphenol		1	1.74	mg/Kg	1	2.67	<0.0266	65	10 - 120	1	20
1-Methylnaphthalene			1.42	mg/Kg	1	2.67	<0.0526	53	32.5 - 85	4	20
2-Methylnaphthalene		1	1.41	mg/Kg	1	2.67	<0.0482	53	33.7 - 84	3	20
1,2,4,5-Tetrachlorobenzene		1	1.26	mg/Kg	1	2.67	<0.0387	47	27 - 91.3	5	20
Hexachlorocyclopentadiene		1	1.95	mg/Kg	1	2.67	<0.0978	73	10 - 140	0	20
2,4,6-Trichlorophenol		1	1.65	mg/Kg	1	2.67	<0.0444	62	39.3 - 106	2	20
2,4,5-Trichlorophenol		1	1.84	mg/Kg	1	2.67	<0.0564	69	42.6 - 103	1	20
2-Chloronaphthalene		1	1.34	mg/Kg	1	2.67	<0.0471	50	35.4 - 85.2	4	20
1-Chloronaphthalene		1	1.38	mg/Kg	1	2.67	<0.0589	52	30.8 - 90.6	3	20
2-Nitroaniline		1	1.94	mg/Kg	1	2.67	<0.0410	73	43.6 - 96.3	2	20
Dimethylphthalate		1	1.68	mg/Kg	1	2.67	<0.0620	63	48.1 - 98.9	0	20
Acenaphthylene		1	1.47	mg/Kg	1	2.67	<0.0555	55	36.3 - 89.5	1	20
2,6-Dinitrotoluene		1	2.15	mg/Kg	1	2.67	<0.0556	80	42 - 117	1	20
3-Nitroaniline		1	2.06	mg/Kg	1	2.67	<0.0465	77	38.9 - 114	1	20
Acenaphthene		1	1.49	mg/Kg	1	2.67	<0.0558	56	37.5 - 91.6	1	20
2,4-Dinitrophenol		1	1.98	mg/Kg	1	2.67	<0.0835	74	10 - 122	5	20
Dibenzofuran		1	1.52	mg/Kg	1	2.67	<0.0443	57	46.5 - 90.4	1	20
Pentachlorobenzene		1	1.59	mg/Kg	1	2.67	<0.0480	60	43.9 - 89.2	1	20
4-Nitrophenol		1	2.00	mg/Kg	1	2.67	<0.0221	75	10 - 124	3	20
1-Naphthylamine		1	1.50	mg/Kg	1	2.67	<0.0343	56	14.6 - 119	1	20
2,4-Dinitrotoluene		1	2.15	mg/Kg	1	2.67	<0.0631	80	60.8 - 104	1	20
2-Naphthylamine		1	1.48	mg/Kg	1	2.67	<0.0504	55	26.2 - 112	1	20
2,3,4,6-Tetrachlorophenol		1	2.17	mg/Kg	1	2.67	<0.0211	81	36.4 - 128	3	20
Fluorene		1	1.62	mg/Kg	1	2.67	<0.0623	61	51 - 89.2	1	20
Diethylphthalate		1	1.71	mg/Kg	1	2.67	<0.0543	64	51.7 - 100	1	20
4-Chlorophenyl-phenylether		1	1.58	mg/Kg	1	2.67	<0.0470	59	51.3 - 88.3	1	20
4-Nitroaniline		1	1.97	mg/Kg	1	2.67	<0.104	74	52.1 - 124	0	20
4,6-Dinitro-2-methylphenol		1	2.24	mg/Kg	1	2.67	<0.0875	84	10 - 162	2	20

continued ...

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Diphenylamine		1	1.90	mg/Kg	1	2.67	<0.0564	71	51.6 - 91.4	5	20
Diphenylhydrazine			1.59	mg/Kg	1	2.67	<0.0644	60	40.7 - 96.5	1	20
4-Bromophenyl-phenylether		1	1.92	mg/Kg	1	2.67	<0.0512	72	42.5 - 100	4	20
Phenacetin		1	1.70	mg/Kg	1	2.67	<0.0522	64	60.3 - 86.2	4	20
Hexachlorobenzene		1	1.66	mg/Kg	1	2.67	<0.0446	62	43.4 - 101	5	20
4-Aminobiphenyl		1	1.94	mg/Kg	1	2.67	<0.0352	73	10.3 - 135	0	20
Pentachlorophenol		1	2.39	mg/Kg	1	2.67	<0.0580	90	10 - 142	0	20
Pentachloronitrobenzene		1	1.88	mg/Kg	1	2.67	<0.0346	70	46 - 105	4	20
Pronamide		1	1.70	mg/Kg	1	2.67	<0.0580	64	48.4 - 98.5	4	20
Phenanthrene		1	1.67	mg/Kg	1	2.67	<0.0536	62	54.2 - 91	5	20
Anthracene		1	1.67	mg/Kg	1	2.67	<0.0361	62	51.1 - 94.8	4	20
Di-n-butylphthalate		1	1.69	mg/Kg	1	2.67	<0.0529	63	47.1 - 103	4	20
Fluoranthene		1	1.67	mg/Kg	1	2.67	<0.0341	62	47.9 - 101	5	20
Benzidine		1	2.93	mg/Kg	1	2.67	<0.0686	110	10 - 219	2	20
Pyrene		1	1.71	mg/Kg	1	2.67	<0.0390	64	55.4 - 94.3	3	20
p-Dimethylaminoazobenzene			1.68	mg/Kg	1	2.67	<0.0525	63	54.4 - 108	4	20
Butylbenzylphthalate		1	1.72	mg/Kg	1	2.67	<0.0687	64	47.5 - 108	2	20
Benzo(a)anthracene		1	1.60	mg/Kg	1	2.67	<0.0372	60	49.8 - 103	3	20
3,3-Dichlorobenzidine		1	1.85	mg/Kg	1	2.67	<0.0490	69	33.7 - 116	3	20
Chrysene		1	1.64	mg/Kg	1	2.67	<0.0498	61	19.5 - 151	4	20
bis(2-ethylhexyl)phthalate		1	1.68	mg/Kg	1	2.67	<0.0705	63	26.1 - 160	2	20
Di-n-octylphthalate		1	1.71	mg/Kg	1	2.67	<0.0680	64	32.5 - 126	2	20
Benzo(b)fluoranthene		1	1.54	mg/Kg	1	2.67	<0.0382	58	33.4 - 90.2	1	20
7,12-Dimethylbenz(a)anthracene		1	1.56	mg/Kg	1	2.67	<0.0294	58	37.1 - 84.9	2	20
Benzo(k)fluoranthene		1	1.65	mg/Kg	1	2.67	<0.0469	62	50.6 - 77.7	7	20
Benzo(a)pyrene		1	1.56	mg/Kg	1	2.67	<0.0445	58	43 - 85.7	2	20
3-Methylcholanthrene		1	1.54	mg/Kg	1	2.67	<0.0322	58	14.5 - 105	2	20
Dibenzo(a,j)acridine		1	1.55	mg/Kg	1	2.67	<0.0646	58	42.3 - 87.6	2	20
Indeno(1,2,3-cd)pyrene		1	1.55	mg/Kg	1	2.67	<0.0430	58	43.8 - 89.5	1	20
Dibenzo(a,h)anthracene		1	1.55	mg/Kg	1	2.67	<0.0472	58	17.8 - 129	1	20
Benzo(g,h,i)perylene		1	1.53	mg/Kg	1	2.67	<0.0421	57	38.5 - 95.2	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol			1.22	1.17	mg/Kg	1	2.67	46	44	10 - 88
Phenol-d5			1.40	1.31	mg/Kg	1	2.67	52	49	10 - 100
Nitrobenzene-d5			1.55	1.51	mg/Kg	1	2.67	58	56	10 - 89.7
2-Fluorobiphenyl			1.41	1.35	mg/Kg	1	2.67	53	50	13 - 93
2,4,6-Tribromophenol			2.01	2.04	mg/Kg	1	2.67	75	76	10 - 99.4
Terphenyl-d14			1.74	1.70	mg/Kg	1	2.67	65	64	38.9 - 94.4

Matrix Spike (MS-1) Spiked Sample: 275012

QC Batch: 84212 | Date Analyzed: 2011-08-24 | Analyzed By: MN
Prep Batch: 71499 | QC Preparation: 2011-08-23 | Prepared By: MN

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Pyridine		1	0.998	mg/Kg	10	2.67	<0.360	37	10 - 74.9
N-Nitrosodimethylamine		1	1.36	mg/Kg	10	2.67	<0.663	51	10.6 - 81.1
2-Picoline		1	1.42	mg/Kg	10	2.67	<0.564	53	20.9 - 76.8
Methyl methanesulfonate		1	1.39	mg/Kg	10	2.67	<0.517	52	19.1 - 71.3
Ethyl methanesulfonate		1	1.72	mg/Kg	10	2.67	<0.564	64	22.4 - 86.3
Phenol		1	1.74	mg/Kg	10	2.67	<0.440	65	14.4 - 85.2
Aniline		1	1.56	mg/Kg	10	2.67	<0.521	58	10 - 95.4
bis(2-chloroethyl)ether		1	1.65	mg/Kg	10	2.67	<0.481	62	13.8 - 95.3
2-Chlorophenol		1	1.62	mg/Kg	10	2.67	<0.448	61	21.9 - 83.8
1,3-Dichlorobenzene (meta)		1	1.58	mg/Kg	10	2.67	<0.343	59	25.3 - 80.6
1,4-Dichlorobenzene (para)		1	1.55	mg/Kg	10	2.67	<0.287	58	19 - 77
Benzyl alcohol		1	1.78	mg/Kg	1	2.67	<0.0254	67	10 - 125
1,2-Dichlorobenzene (ortho)		1	1.60	mg/Kg	1	2.67	<0.0583	60	23.5 - 81.2
2-Methylphenol		1	1.74	mg/Kg	10	2.67	<0.360	65	19.1 - 83.2
bis(2-chloroisopropyl)ether		1	1.58	mg/Kg	10	2.67	<0.539	59	17.2 - 84.2
4-Methylphenol / 3-Methylphenol		1	1.77	mg/Kg	10	2.67	<0.586	66	18.7 - 88.6
Acetophenone		1	1.83	mg/Kg	10	2.67	<0.339	68	34.1 - 80.5
N-Nitrosodi-n-propylamine		1	1.89	mg/Kg	10	2.67	<0.529	71	23.3 - 85.4
Hexachloroethane		1	1.40	mg/Kg	10	2.67	<0.526	52	24.3 - 74.9
Nitrobenzene		1	1.97	mg/Kg	10	2.67	<0.414	74	29 - 76.7
N-Nitrosopiperidine		1	1.85	mg/Kg	10	2.67	<0.481	69	27.8 - 97.8
Isophorone		1	1.92	mg/Kg	10	2.67	<0.540	72	28 - 90
2-Nitrophenol		1	1.88	mg/Kg	10	2.67	<0.471	70	18 - 111
2,4-Dimethylphenol		1	1.82	mg/Kg	10	2.67	<0.398	68	32.6 - 88.3
bis(2-chloroethoxy)methane		1	1.74	mg/Kg	10	2.67	<0.514	65	19.9 - 98.1
Benzoic acid		1	1.64	mg/Kg	1	2.67	<0.0398	61	10 - 119
2,4-Dichlorophenol		1	1.78	mg/Kg	10	2.67	<0.310	67	35.5 - 90
1,2,4-Trichlorobenzene		1	1.72	mg/Kg	10	2.67	<0.338	64	32.5 - 81.2
Naphthalene	Qs	1	2.05	mg/Kg	10	2.67	1.68	14	33.4 - 80.7
4-Chloroaniline		1	1.78	mg/Kg	10	2.67	<0.410	67	10 - 176
2,6-Dichlorophenol		1	1.91	mg/Kg	10	2.67	<0.351	72	37.5 - 83.9
Hexachlorobutadiene		1	1.64	mg/Kg	10	2.67	<0.388	61	28.5 - 80.1
N-Nitroso-di-n-butylamine		1	1.94	mg/Kg	10	2.67	<0.549	73	27.3 - 97.7
4-Chloro-3-methylphenol		1	1.98	mg/Kg	10	2.67	<0.266	74	10 - 120
1-Methylnaphthalene			1.98	mg/Kg	10	2.67	<0.526	74	32.5 - 85
2-Methylnaphthalene		1	1.96	mg/Kg	10	2.67	<0.482	73	33.7 - 84
1,2,4,5-Tetrachlorobenzene		1	1.68	mg/Kg	10	2.67	<0.387	63	27 - 91.3
Hexachlorocyclopentadiene		1	3.38	mg/Kg	10	2.67	<0.978	126	10 - 140
2,4,6-Trichlorophenol		1	1.88	mg/Kg	10	2.67	<0.444	70	39.3 - 106
2,4,5-Trichlorophenol		1	2.11	mg/Kg	10	2.67	<0.564	79	42.6 - 103
2-Chloronaphthalene		1	1.82	mg/Kg	10	2.67	<0.471	68	35.4 - 85.2
1-Chloronaphthalene		1	1.81	mg/Kg	10	2.67	<0.589	68	30.8 - 90.6
2-Nitroaniline	Qs	1	2.74	mg/Kg	10	2.67	<0.410	103	43.6 - 96.3

continued ...

matrix spikes continued ...

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dimethylphthalate		1	2.02	mg/Kg	10	2.67	<0.620	76	48.1 - 98.9
Acenaphthylene		1	2.19	mg/Kg	10	2.67	0.63	58	36.3 - 89.5
2,6-Dinitrotoluene	Qs	1	3.56	mg/Kg	10	2.67	<0.556	133	42 - 117
3-Nitroaniline	Qs	1	3.79	mg/Kg	10	2.67	<0.465	142	38.9 - 114
Acenaphthene	Qs	1	2.29	mg/Kg	10	2.67	2.44	-4	37.5 - 91.6
2,4-Dinitrophenol		1	2.44	mg/Kg	10	2.67	<0.835	91	10 - 122
Dibenzofuran	Qs	1	2.26	mg/Kg	10	2.67	1.98	10	46.5 - 90.4
Pentachlorobenzene		1	1.94	mg/Kg	10	2.67	<0.480	73	43.9 - 89.2
4-Nitrophenol		1	3.14	mg/Kg	10	2.67	<0.221	118	10 - 124
1-Naphthylamine		1	1.62	mg/Kg	10	2.67	<0.343	61	14.6 - 119
2,4-Dinitrotoluene	Qs	1	3.56	mg/Kg	10	2.67	<0.631	133	60.8 - 104
2-Naphthylamine		1	1.46	mg/Kg	10	2.67	<0.504	55	26.2 - 112
2,3,4,6-Tetrachlorophenol	Qs	1	3.44	mg/Kg	10	2.67	<0.211	129	36.4 - 128
Fluorene	Qs	1	2.52	mg/Kg	10	2.67	2.99	-16	51 - 89.2
Diethylphthalate		1	2.12	mg/Kg	10	2.67	<0.543	79	51.7 - 100
4-Chlorophenyl-phenylether		1	2.08	mg/Kg	10	2.67	<0.470	78	51.3 - 88.3
4-Nitroaniline		1	3.04	mg/Kg	10	2.67	<1.04	114	52.1 - 124
4,6-Dinitro-2-methylphenol		1	1.58	mg/Kg	10	2.67	<0.875	59	10 - 162
Diphenylamine	Qs	1	2.49	mg/Kg	10	2.67	<0.564	93	51.6 - 91.4
Diphenylhydrazine			2.05	mg/Kg	10	2.67	<0.644	77	40.7 - 96.5
4-Bromophenyl-phenylether		1	2.35	mg/Kg	10	2.67	<0.512	88	42.5 - 100
Phenacetin		1	1.89	mg/Kg	10	2.67	<0.522	71	60.3 - 86.2
Hexachlorobenzene		1	2.06	mg/Kg	10	2.67	<0.446	77	43.4 - 101
4-Aminobiphenyl		1	1.75	mg/Kg	10	2.67	<0.352	66	10.3 - 135
Pentachlorophenol		1	3.48	mg/Kg	10	2.67	<0.580	130	10 - 142
Pentachloronitrobenzene		1	2.16	mg/Kg	10	2.67	<0.346	81	46 - 105
Pronamide		1	2.04	mg/Kg	10	2.67	<0.580	76	48.4 - 98.5
Phenanthrene	Qs	1	8.09	mg/Kg	10	2.67	29.3	-794	54.2 - 91
Anthracene	Qs	1	2.90	mg/Kg	10	2.67	4.78	-70	51.1 - 94.8
Di-n-butylphthalate		1	2.00	mg/Kg	10	2.67	<0.529	75	47.1 - 103
Fluoranthene	Qs	1	11.0	mg/Kg	10	2.67	32.2	-794	47.9 - 101
Benzidine	Qs	1	<0.686	mg/Kg	10	2.67	<0.686	0	10 - 219
Pyrene	Qs	1	10.9	mg/Kg	10	2.67	31.3	-764	55.4 - 94.3
p-Dimethylaminoazobenzene			1.96	mg/Kg	10	2.67	<0.525	73	54.4 - 108
Butylbenzylphthalate		1	2.03	mg/Kg	10	2.67	<0.687	76	47.5 - 108
Benzo(a)anthracene	Qs	1	5.37	mg/Kg	10	2.67	13.5	-304	49.8 - 103
3,3-Dichlorobenzidine		1	1.30	mg/Kg	10	2.67	<0.490	49	33.7 - 116
Chrysene	Qs	1	8.20	mg/Kg	10	2.67	21.6	-500	19.5 - 151
bis(2-ethylhexyl)phthalate		1	2.06	mg/Kg	10	2.67	<0.705	77	26.1 - 160
Di-n-octylphthalate		1	1.93	mg/Kg	10	2.67	<0.680	72	32.5 - 126
Benzo(b)fluoranthene	Qs	1	6.67	mg/Kg	10	2.67	21.8	-565	33.4 - 90.2
7,12-Dimethylbenz(a)anthracene		1	1.45	mg/Kg	10	2.67	<0.294	54	37.1 - 84.9
Benzo(k)fluoranthene		1	3.95	mg/Kg	10	2.67	2.13	68	50.6 - 77.7
Benzo(a)pyrene		1	5.36	mg/Kg	10	2.67	3.28	78	43 - 85.7
3-Methylcholanthrene		1	1.83	mg/Kg	10	2.67	<0.322	68	14.5 - 105
Dibenzo(a,j)acridine		1	1.89	mg/Kg	10	2.67	<0.646	71	42.3 - 87.6
Indeno(1,2,3-cd)pyrene	Qs	1	4.66	mg/Kg	10	2.67	8.82	-154	43.8 - 89.5

continued ...

matrix spikes continued ...

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dibenzo(a,h)anthracene		1	2.90	mg/Kg	10	2.67	1.02	70	17.8 - 129
Benzo(g,h,i)perylene	Qs	1	4.76	mg/Kg	10	2.67	9.05	-159	38.5 - 95.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Pyridine		1	1.12	mg/Kg	10	2.67	<0.360	42	10 - 74.9	12	20
N-Nitrosodimethylamine		1	1.50	mg/Kg	10	2.67	<0.663	56	10.6 - 81.1	10	20
2-Picoline		1	1.66	mg/Kg	10	2.67	<0.564	62	20.9 - 76.8	16	20
Methyl methanesulfonate		1	1.56	mg/Kg	10	2.67	<0.517	58	19.1 - 71.3	12	20
Ethyl methanesulfonate		1	1.78	mg/Kg	10	2.67	<0.564	67	22.4 - 86.3	3	20
Phenol		1	1.89	mg/Kg	10	2.67	<0.440	71	14.4 - 85.2	8	20
Aniline		1	1.77	mg/Kg	10	2.67	<0.521	66	10 - 95.4	13	20
bis(2-chloroethyl)ether		1	1.89	mg/Kg	10	2.67	<0.481	71	13.8 - 95.3	14	20
2-Chlorophenol		1	1.83	mg/Kg	10	2.67	<0.448	68	21.9 - 83.8	12	20
1,3-Dichlorobenzene (meta)		1	1.72	mg/Kg	10	2.67	<0.343	64	25.3 - 80.6	8	20
1,4-Dichlorobenzene (para)		1	1.74	mg/Kg	10	2.67	<0.287	65	19 - 77	12	20
Benzyl alcohol		1	1.93	mg/Kg	1	2.67	<0.0254	72	10 - 125	8	20
1,2-Dichlorobenzene (ortho)		1	1.79	mg/Kg	1	2.67	<0.0583	67	23.5 - 81.2	11	20
2-Methylphenol		1	1.96	mg/Kg	10	2.67	<0.360	73	19.1 - 83.2	12	20
bis(2-chloroisopropyl)ether		1	1.81	mg/Kg	10	2.67	<0.539	68	17.2 - 84.2	14	20
4-Methylphenol / 3-Methylphenol		1	1.96	mg/Kg	10	2.67	<0.586	73	18.7 - 88.6	10	20
Acetophenone		1	2.05	mg/Kg	10	2.67	<0.339	77	34.1 - 80.5	11	20
N-Nitrosodi-n-propylamine		1	2.08	mg/Kg	10	2.67	<0.529	78	23.3 - 85.4	10	20
Hexachloroethane		1	1.59	mg/Kg	10	2.67	<0.526	60	24.3 - 74.9	13	20
Nitrobenzene	Qs	1	2.25	mg/Kg	10	2.67	<0.414	84	29 - 76.7	13	20
N-Nitrosopiperidine		1	2.12	mg/Kg	10	2.67	<0.481	79	27.8 - 97.8	14	20
Isophorone		1	2.20	mg/Kg	10	2.67	<0.540	82	28 - 90	14	20
2-Nitrophenol		1	2.19	mg/Kg	10	2.67	<0.471	82	18 - 111	15	20
2,4-Dimethylphenol		1	2.03	mg/Kg	10	2.67	<0.398	76	32.6 - 88.3	11	20
bis(2-chloroethoxy)methane		1	1.98	mg/Kg	10	2.67	<0.514	74	19.9 - 98.1	13	20
Benzoic acid		1	1.59	mg/Kg	1	2.67	<0.0398	60	10 - 119	3	20
2,4-Dichlorophenol		1	2.01	mg/Kg	10	2.67	<0.310	75	35.5 - 90	12	20
1,2,4-Trichlorobenzene		1	1.90	mg/Kg	10	2.67	<0.338	71	32.5 - 81.2	10	20
Naphthalene	Qs	1	2.32	mg/Kg	10	2.67	1.68	24	33.4 - 80.7	12	20
4-Chloroaniline		1	1.96	mg/Kg	10	2.67	<0.410	73	10 - 176	10	20
2,6-Dichlorophenol		1	2.05	mg/Kg	10	2.67	<0.351	77	37.5 - 83.9	7	20
Hexachlorobutadiene		1	1.89	mg/Kg	10	2.67	<0.388	71	28.5 - 80.1	14	20
N-Nitroso-di-n-butylamine		1	2.20	mg/Kg	10	2.67	<0.549	82	27.3 - 97.7	13	20
4-Chloro-3-methylphenol		1	2.15	mg/Kg	10	2.67	<0.266	80	10 - 120	8	20
1-Methylnaphthalene			2.20	mg/Kg	10	2.67	<0.526	82	32.5 - 85	10	20
2-Methylnaphthalene		1	2.17	mg/Kg	10	2.67	<0.482	81	33.7 - 84	10	20
1,2,4,5-Tetrachlorobenzene		1	1.88	mg/Kg	10	2.67	<0.387	70	27 - 91.3	11	20
Hexachlorocyclopentadiene		1	3.64	mg/Kg	10	2.67	<0.978	136	10 - 140	7	20
2,4,6-Trichlorophenol		1	2.10	mg/Kg	10	2.67	<0.444	79	39.3 - 106	11	20
2,4,5-Trichlorophenol		1	2.31	mg/Kg	10	2.67	<0.564	86	42.6 - 103	9	20
2-Chloronaphthalene		1	1.97	mg/Kg	10	2.67	<0.471	74	35.4 - 85.2	8	20

continued ...

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1-Chloronaphthalene		1	2.02	mg/Kg	10	2.67	<0.589	76	30.8 - 90.6	11	20
2-Nitroaniline	Qs	1	3.00	mg/Kg	10	2.67	<0.410	112	43.6 - 96.3	9	20
Dimethylphthalate		1	2.25	mg/Kg	10	2.67	<0.620	84	48.1 - 98.9	11	20
Acenaphthylene		1	2.45	mg/Kg	10	2.67	0.63	68	36.3 - 89.5	11	20
2,6-Dinitrotoluene	Qs	1	3.86	mg/Kg	10	2.67	<0.556	144	42 - 117	8	20
3-Nitroaniline	Qs	1	4.14	mg/Kg	10	2.67	<0.465	155	38.9 - 114	9	20
Acenaphthene	Qs	1	2.54	mg/Kg	10	2.67	2.44	4	37.5 - 91.6	10	20
2,4-Dinitrophenol		1	2.69	mg/Kg	10	2.67	<0.835	101	10 - 122	10	20
Dibenzofuran	Qs	1	2.51	mg/Kg	10	2.67	1.98	20	46.5 - 90.4	10	20
Pentachlorobenzene		1	2.19	mg/Kg	10	2.67	<0.480	82	43.9 - 89.2	12	20
4-Nitrophenol	Qs	1	3.52	mg/Kg	10	2.67	<0.221	132	10 - 124	11	20
1-Naphthylamine		1	1.73	mg/Kg	10	2.67	<0.343	65	14.6 - 119	7	20
2,4-Dinitrotoluene	Qs	1	3.86	mg/Kg	10	2.67	<0.631	144	60.8 - 104	8	20
2-Naphthylamine		1	1.72	mg/Kg	10	2.67	<0.504	64	26.2 - 112	16	20
2,3,4,6-Tetrachlorophenol	Qs	1	3.85	mg/Kg	10	2.67	<0.211	144	36.4 - 128	11	20
Fluorene	Qs	1	2.76	mg/Kg	10	2.67	2.99	-7	51 - 89.2	9	20
Diethylphthalate		1	2.34	mg/Kg	10	2.67	<0.543	88	51.7 - 100	10	20
4-Chlorophenyl-phenylether		1	2.32	mg/Kg	10	2.67	<0.470	87	51.3 - 88.3	11	20
4-Nitroaniline	Qs	1	3.35	mg/Kg	10	2.67	<1.04	125	52.1 - 124	10	20
4,6-Dinitro-2-methylphenol		1	1.84	mg/Kg	10	2.67	<0.875	69	10 - 162	15	20
Diphenylamine	Qs	1	2.79	mg/Kg	10	2.67	<0.564	104	51.6 - 91.4	11	20
Diphenylhydrazine			2.31	mg/Kg	10	2.67	<0.644	86	40.7 - 96.5	12	20
4-Bromophenyl-phenylether		1	2.66	mg/Kg	10	2.67	<0.512	100	42.5 - 100	12	20
Phenacetin		1	2.18	mg/Kg	10	2.67	<0.522	82	60.3 - 86.2	14	20
Hexachlorobenzene		1	2.31	mg/Kg	10	2.67	<0.446	86	43.4 - 101	11	20
4-Aminobiphenyl		1	1.96	mg/Kg	10	2.67	<0.352	73	10.3 - 135	11	20
Pentachlorophenol	Qs	1	3.89	mg/Kg	10	2.67	<0.580	146	10 - 142	11	20
Pentachloronitrobenzene		1	2.35	mg/Kg	10	2.67	<0.346	88	46 - 105	8	20
Pronamide		1	2.26	mg/Kg	10	2.67	<0.580	85	48.4 - 98.5	10	20
Phenanthrene	Qs	1	9.05	mg/Kg	10	2.67	29.3	-758	54.2 - 91	11	20
Anthracene	Qs	1	3.25	mg/Kg	10	2.67	4.78	-57	51.1 - 94.8	11	20
Di-n-butylphthalate		1	2.24	mg/Kg	10	2.67	<0.529	84	47.1 - 103	11	20
Fluoranthene	Qs	1	12.5	mg/Kg	10	2.67	32.2	-736	47.9 - 101	13	20
Benzidine	Qs	1	<0.686	mg/Kg	10	2.67	<0.686	0	10 - 219	0	20
Pyrene	Qs	1	12.1	mg/Kg	10	2.67	31.3	-719	55.4 - 94.3	10	20
p-Dimethylaminoazobenzene			2.14	mg/Kg	10	2.67	<0.525	80	54.4 - 108	9	20
Butylbenzylphthalate		1	2.29	mg/Kg	10	2.67	<0.687	86	47.5 - 108	12	20
Benzo(a)anthracene	Qs	1	5.99	mg/Kg	10	2.67	13.5	-281	49.8 - 103	11	20
3,3-Dichlorobenzidine		1	1.37	mg/Kg	10	2.67	<0.490	51	33.7 - 116	5	20
Chrysene	Qs	1	9.19	mg/Kg	10	2.67	21.6	-463	19.5 - 151	11	20
bis(2-ethylhexyl)phthalate		1	2.32	mg/Kg	10	2.67	<0.705	87	26.1 - 160	12	20
Di-n-octylphthalate		1	2.18	mg/Kg	10	2.67	<0.680	82	32.5 - 126	12	20
Benzo(b)fluoranthene	Qs	1	7.56	mg/Kg	10	2.67	21.8	-533	33.4 - 90.2	12	20
7,12-Dimethylbenz(a)anthracene		1	1.52	mg/Kg	10	2.67	<0.294	57	37.1 - 84.9	5	20
Benzo(k)fluoranthene	Qs	1	4.36	mg/Kg	10	2.67	2.13	84	50.6 - 77.7	10	20
Benzo(a)pyrene	Qs	1	5.96	mg/Kg	10	2.67	3.28	100	43 - 85.7	11	20
3-Methylcholanthrene		1	2.05	mg/Kg	10	2.67	<0.322	77	14.5 - 105	11	20

continued ...

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dibenzo(a,j)acridine		1	2.11	mg/Kg	10	2.67	<0.646	79	42.3 - 87.6	11	20
Indeno(1,2,3-cd)pyrene	Qs	1	5.21	mg/Kg	10	2.67	8.82	-135	43.8 - 89.5	11	20
Dibenzo(a,h)anthracene		1	2.70	mg/Kg	10	2.67	1.02	63	17.8 - 129	7	20
Benzo(g,h,i)perylene	Qs	1	5.31	mg/Kg	10	2.67	9.05	-140	38.5 - 95.2	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol			1.27	1.47	mg/Kg	10	2.67	48	55	10 - 88
Phenol-d5			1.65	1.86	mg/Kg	10	2.67	62	70	10 - 100
Nitrobenzene-d5			1.97	2.26	mg/Kg	10	2.67	74	85	10 - 89.7
2-Fluorobiphenyl			1.78	2.00	mg/Kg	10	2.67	67	75	13 - 93
2,4,6-Tribromophenol			2.27	2.66	mg/Kg	10	2.67	85	100	10 - 99.4
Terphenyl-d14			2.20	2.46	mg/Kg	10	2.67	82	92	38.9 - 94.4

Matrix Spike (MS-1) Spiked Sample: 274891

QC Batch: 84229 | Date Analyzed: 2011-08-24 | Analyzed By: DS
Prep Batch: 71517 | QC Preparation: 2011-08-24 | Prepared By: DS

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Aroclor 1260 (PCB-1260)		1	0.0795	mg/Kg	1	0.0640	<0.00121	124	10 - 210

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Aroclor 1260 (PCB-1260)		1	0.0832	mg/Kg	1	0.0640	<0.00121	130	10 - 210	4	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Deca chlorobiphenyl			0.0161	0.0166	mg/Kg	1	0.0167	96	99	58.7 - 121

Matrix Spike (MS-1) Spiked Sample: 275033

QC Batch: 84230 | Date Analyzed: 2011-08-24 | Analyzed By: DS
Prep Batch: 71517 | QC Preparation: 2011-08-24 | Prepared By: DS

continued ...

matrix spikes continued ...

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Aroclor 1260 (PCB-1260)		1	0.0724	mg/Kg	1	0.0640	<0.00121	113	10 - 210

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Aroclor 1260 (PCB-1260)		1	0.0726	mg/Kg	1	0.0640	<0.00121	113	10 - 210	0	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Deca chlorobiphenyl			0.0149	0.0147	mg/Kg	1	0.0167	89	88	58.7 - 121

Matrix Spike (MS-1) Spiked Sample: 275017

QC Batch: 84256 | Date Analyzed: 2011-08-25 | Analyzed By: TP
Prep Batch: 71528 | QC Preparation: 2011-08-25 | Prepared By: TP

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury		1	0.266	mg/Kg	1	0.250	0.00828	103	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury		1	0.266	mg/Kg	1	0.250	0.00828	103	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 275268

QC Batch: 84257 | Date Analyzed: 2011-08-25 | Analyzed By: TP
Prep Batch: 71528 | QC Preparation: 2011-08-25 | Prepared By: TP

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury		1	0.272	mg/Kg	1	0.250	0.0121	104	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury		1	0.267	mg/Kg	1	0.250	0.0121	102	80 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 275031

QC Batch: 84305 | Date Analyzed: 2011-08-29 | Analyzed By: RR
Prep Batch: 71521 | QC Preparation: 2011-08-25 | Prepared By: KV

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver		1	11.3	mg/Kg	1	12.5	<0.0665	90	75 - 125
Total Arsenic		1	56.7	mg/Kg	1	50.0	6.09	101	75 - 125
Total Barium		1	280	mg/Kg	1	100	183	97	75 - 125
Total Cadmium		1	24.7	mg/Kg	1	25.0	<0.0222	99	75 - 125
Total Chromium		1	22.6	mg/Kg	1	10.0	12.2	104	75 - 125
Total Lead		1	53.6	mg/Kg	1	50.0	5.43	96	75 - 125
Total Selenium		1	51.0	mg/Kg	1	50.0	<0.298	102	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver		1	11.6	mg/Kg	1	12.5	<0.0665	93	75 - 125	3	20
Total Arsenic		1	54.0	mg/Kg	1	50.0	6.09	96	75 - 125	5	20
Total Barium		1	285	mg/Kg	1	100	183	102	75 - 125	2	20
Total Cadmium		1	24.1	mg/Kg	1	25.0	<0.0222	96	75 - 125	2	20
Total Chromium		1	22.5	mg/Kg	1	10.0	12.2	103	75 - 125	0	20
Total Lead		1	53.1	mg/Kg	1	50.0	5.43	95	75 - 125	1	20
Total Selenium		1	48.3	mg/Kg	1	50.0	<0.298	97	75 - 125	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 84100 | Date Analyzed: 2011-08-19 | Analyzed By: KB

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		1	µg/Kg	50.0	50.8	102	80 - 120	2011-08-19
Dichlorodifluoromethane		1	µg/Kg	50.0	43.5	87	80 - 120	2011-08-19
Chloromethane (methyl chloride)		1	µg/Kg	50.0	43.0	86	80 - 120	2011-08-19
Vinyl Chloride		1	µg/Kg	50.0	46.3	93	80 - 120	2011-08-19
Bromomethane (methyl bromide)		1	µg/Kg	50.0	44.3	89	80 - 120	2011-08-19
Chloroethane		1	µg/Kg	50.0	43.8	88	80 - 120	2011-08-19
Trichlorofluoromethane		1	µg/Kg	50.0	49.9	100	80 - 120	2011-08-19
Acetone		1	µg/Kg	50.0	40.4	81	80 - 120	2011-08-19
Iodomethane (methyl iodide)		1	µg/Kg	50.0	49.9	100	80 - 120	2011-08-19
Carbon Disulfide		1	µg/Kg	50.0	52.0	104	80 - 120	2011-08-19
Acrylonitrile		1	µg/Kg	50.0	44.9	90	80 - 120	2011-08-19
2-Butanone (MEK)		1	µg/Kg	50.0	40.6	81	80 - 120	2011-08-19
4-Methyl-2-pentanone (MIBK)		1	µg/Kg	50.0	47.8	96	80 - 120	2011-08-19
2-Hexanone	Qc	1	µg/Kg	50.0	37.7	75	80 - 120	2011-08-19
trans 1,4-Dichloro-2-butene	Qc	1	µg/Kg	50.0	37.2	74	80 - 120	2011-08-19
1,1-Dichloroethene		1	µg/Kg	50.0	50.6	101	80 - 120	2011-08-19
Methylene chloride		1	µg/Kg	50.0	51.0	102	80 - 120	2011-08-19
MTBE		1	µg/Kg	50.0	50.6	101	80 - 120	2011-08-19
trans-1,2-Dichloroethene		1	µg/Kg	50.0	50.5	101	80 - 120	2011-08-19
1,1-Dichloroethane		1	µg/Kg	50.0	51.4	103	80 - 120	2011-08-19
cis-1,2-Dichloroethene		1	µg/Kg	50.0	52.2	104	80 - 120	2011-08-19
2,2-Dichloropropane		1	µg/Kg	50.0	53.2	106	80 - 120	2011-08-19
1,2-Dichloroethane (EDC)		1	µg/Kg	50.0	47.6	95	80 - 120	2011-08-19
Chloroform		1	µg/Kg	50.0	50.3	101	80 - 120	2011-08-19
1,1,1-Trichloroethane		1	µg/Kg	50.0	52.1	104	80 - 120	2011-08-19
1,1-Dichloropropene		1	µg/Kg	50.0	52.2	104	80 - 120	2011-08-19
Benzene		1	µg/Kg	50.0	51.3	103	80 - 120	2011-08-19
Carbon Tetrachloride		1	µg/Kg	50.0	56.4	113	80 - 120	2011-08-19
1,2-Dichloropropane		1	µg/Kg	50.0	51.6	103	80 - 120	2011-08-19
Trichloroethene (TCE)		1	µg/Kg	50.0	52.0	104	80 - 120	2011-08-19
Dibromomethane (methylene bromide)		1	µg/Kg	50.0	49.8	100	80 - 120	2011-08-19
Bromodichloromethane		1	µg/Kg	50.0	51.5	103	80 - 120	2011-08-19
2-Chloroethyl vinyl ether		1	µg/Kg	50.0	40.8	82	80 - 120	2011-08-19
cis-1,3-Dichloropropene		1	µg/Kg	50.0	52.6	105	80 - 120	2011-08-19
trans-1,3-Dichloropropene		1	µg/Kg	50.0	51.6	103	80 - 120	2011-08-19
Toluene		1	µg/Kg	50.0	51.5	103	80 - 120	2011-08-19
1,1,2-Trichloroethane		1	µg/Kg	50.0	49.0	98	80 - 120	2011-08-19
1,3-Dichloropropane		1	µg/Kg	50.0	49.0	98	80 - 120	2011-08-19
Dibromochloromethane		1	µg/Kg	50.0	53.3	107	80 - 120	2011-08-19

continued . . .

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2-Dibromoethane (EDB)		1	µg/Kg	50.0	48.7	97	80 - 120	2011-08-19
Tetrachloroethene (PCE)		1	µg/Kg	50.0	48.0	96	80 - 120	2011-08-19
Chlorobenzene		1	µg/Kg	50.0	50.2	100	80 - 120	2011-08-19
1,1,1,2-Tetrachloroethane		1	µg/Kg	50.0	54.2	108	80 - 120	2011-08-19
Ethylbenzene		1	µg/Kg	50.0	51.4	103	80 - 120	2011-08-19
m,p-Xylene		1	µg/Kg	100	101	101	80 - 120	2011-08-19
Bromoform		1	µg/Kg	50.0	52.6	105	80 - 120	2011-08-19
Styrene		1	µg/Kg	50.0	49.0	98	80 - 120	2011-08-19
o-Xylene		1	µg/Kg	50.0	51.2	102	80 - 120	2011-08-19
1,1,2,2-Tetrachloroethane		1	µg/Kg	50.0	45.2	90	80 - 120	2011-08-19
2-Chlorotoluene		1	µg/Kg	50.0	54.6	109	80 - 120	2011-08-19
1,2,3-Trichloropropane		1	µg/Kg	50.0	59.3	119	80 - 120	2011-08-19
Isopropylbenzene		1	µg/Kg	50.0	58.8	118	80 - 120	2011-08-19
Bromobenzene		1	µg/Kg	50.0	53.1	106	80 - 120	2011-08-19
n-Propylbenzene		1	µg/Kg	50.0	55.3	111	80 - 120	2011-08-19
1,3,5-Trimethylbenzene		1	µg/Kg	50.0	55.4	111	80 - 120	2011-08-19
tert-Butylbenzene		1	µg/Kg	50.0	58.4	117	80 - 120	2011-08-19
1,2,4-Trimethylbenzene		1	µg/Kg	50.0	54.3	109	80 - 120	2011-08-19
1,4-Dichlorobenzene (para)		1	µg/Kg	50.0	48.5	97	80 - 120	2011-08-19
sec-Butylbenzene		1	µg/Kg	50.0	54.8	110	80 - 120	2011-08-19
1,3-Dichlorobenzene (meta)		1	µg/Kg	50.0	50.7	101	80 - 120	2011-08-19
p-Isopropyltoluene			µg/Kg	50.0	54.8	110	80 - 120	2011-08-19
4-Chlorotoluene		1	µg/Kg	50.0	52.1	104	80 - 120	2011-08-19
1,2-Dichlorobenzene (ortho)		1	µg/Kg	50.0	49.9	100	80 - 120	2011-08-19
n-Butylbenzene		1	µg/Kg	50.0	51.1	102	80 - 120	2011-08-19
1,2-Dibromo-3-chloropropane			µg/Kg	50.0	42.1	84	80 - 120	2011-08-19
1,2,3-Trichlorobenzene	Qc	1	µg/Kg	50.0	31.4	63	80 - 120	2011-08-19
1,2,4-Trichlorobenzene	Qc	1	µg/Kg	50.0	33.3	67	80 - 120	2011-08-19
Naphthalene	Qc	1	µg/Kg	50.0	32.9	66	80 - 120	2011-08-19
Hexachlorobutadiene		1	µg/Kg	50.0	46.5	93	80 - 120	2011-08-19

Standard (CCV-2)

QC Batch: 84100 | Date Analyzed: 2011-08-19 | Analyzed By: KB

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		1	µg/Kg	50.0	51.4	103	80 - 120	2011-08-19
Dichlorodifluoromethane		1	µg/Kg	50.0	41.7	83	80 - 120	2011-08-19
Chloromethane (methyl chloride)		1	µg/Kg	50.0	44.9	90	80 - 120	2011-08-19
Vinyl Chloride		1	µg/Kg	50.0	47.1	94	80 - 120	2011-08-19
Bromomethane (methyl bromide)		1	µg/Kg	50.0	43.7	87	80 - 120	2011-08-19
Chloroethane		1	µg/Kg	50.0	43.4	87	80 - 120	2011-08-19

continued ...

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Trichlorofluoromethane		1	µg/Kg	50.0	49.0	98	80 - 120	2011-08-19
Acetone	Qc	1	µg/Kg	50.0	39.1	78	80 - 120	2011-08-19
Iodomethane (methyl iodide)		1	µg/Kg	50.0	52.2	104	80 - 120	2011-08-19
Carbon Disulfide		1	µg/Kg	50.0	56.9	114	80 - 120	2011-08-19
Acrylonitrile	Qc	1	µg/Kg	50.0	39.0	78	80 - 120	2011-08-19
2-Butanone (MEK)	Qc	1	µg/Kg	50.0	37.1	74	80 - 120	2011-08-19
4-Methyl-2-pentanone (MIBK)		1	µg/Kg	50.0	40.0	80	80 - 120	2011-08-19
2-Hexanone	Qc	1	µg/Kg	50.0	28.6	57	80 - 120	2011-08-19
trans 1,4-Dichloro-2-butene	Qc	1	µg/Kg	50.0	20.7	41	80 - 120	2011-08-19
1,1-Dichloroethene		1	µg/Kg	50.0	50.8	102	80 - 120	2011-08-19
Methylene chloride		1	µg/Kg	50.0	51.0	102	80 - 120	2011-08-19
MTBE		1	µg/Kg	50.0	45.8	92	80 - 120	2011-08-19
trans-1,2-Dichloroethene		1	µg/Kg	50.0	50.9	102	80 - 120	2011-08-19
1,1-Dichloroethane		1	µg/Kg	50.0	49.6	99	80 - 120	2011-08-19
cis-1,2-Dichloroethene		1	µg/Kg	50.0	52.2	104	80 - 120	2011-08-19
2,2-Dichloropropane	Qc	1	µg/Kg	50.0	31.7	63	80 - 120	2011-08-19
1,2-Dichloroethane (EDC)		1	µg/Kg	50.0	42.6	85	80 - 120	2011-08-19
Chloroform		1	µg/Kg	50.0	48.7	97	80 - 120	2011-08-19
1,1,1-Trichloroethane		1	µg/Kg	50.0	48.7	97	80 - 120	2011-08-19
1,1-Dichloropropene		1	µg/Kg	50.0	50.0	100	80 - 120	2011-08-19
Benzene		1	µg/Kg	50.0	51.2	102	80 - 120	2011-08-19
Carbon Tetrachloride		1	µg/Kg	50.0	49.4	99	80 - 120	2011-08-19
1,2-Dichloropropane		1	µg/Kg	50.0	49.6	99	80 - 120	2011-08-19
Trichloroethene (TCE)		1	µg/Kg	50.0	55.1	110	80 - 120	2011-08-19
Dibromomethane (methylene bromide)		1	µg/Kg	50.0	44.8	90	80 - 120	2011-08-19
Bromodichloromethane		1	µg/Kg	50.0	46.5	93	80 - 120	2011-08-19
2-Chloroethyl vinyl ether	Qc	1	µg/Kg	50.0	28.1	56	80 - 120	2011-08-19
cis-1,3-Dichloropropene		1	µg/Kg	50.0	45.7	91	80 - 120	2011-08-19
trans-1,3-Dichloropropene		1	µg/Kg	50.0	41.7	83	80 - 120	2011-08-19
Toluene		1	µg/Kg	50.0	50.5	101	80 - 120	2011-08-19
1,1,2-Trichloroethane		1	µg/Kg	50.0	45.8	92	80 - 120	2011-08-19
1,3-Dichloropropane		1	µg/Kg	50.0	45.2	90	80 - 120	2011-08-19
Dibromochloromethane		1	µg/Kg	50.0	46.4	93	80 - 120	2011-08-19
1,2-Dibromoethane (EDB)		1	µg/Kg	50.0	44.7	89	80 - 120	2011-08-19
Tetrachloroethene (PCE)	Qc	1	µg/Kg	50.0	70.7	141	80 - 120	2011-08-19
Chlorobenzene		1	µg/Kg	50.0	49.5	99	80 - 120	2011-08-19
1,1,1,2-Tetrachloroethane		1	µg/Kg	50.0	50.4	101	80 - 120	2011-08-19
Ethylbenzene		1	µg/Kg	50.0	50.2	100	80 - 120	2011-08-19
m,p-Xylene		1	µg/Kg	100	97.8	98	80 - 120	2011-08-19
Bromoform		1	µg/Kg	50.0	40.1	80	80 - 120	2011-08-19
Styrene		1	µg/Kg	50.0	47.7	95	80 - 120	2011-08-19
o-Xylene		1	µg/Kg	50.0	49.4	99	80 - 120	2011-08-19
1,1,2,2-Tetrachloroethane	Qc	1	µg/Kg	50.0	35.9	72	80 - 120	2011-08-19
2-Chlorotoluene		1	µg/Kg	50.0	56.9	114	80 - 120	2011-08-19
1,2,3-Trichloropropane		1	µg/Kg	50.0	56.0	112	80 - 120	2011-08-19
Isopropylbenzene	Qc	1	µg/Kg	50.0	62.8	126	80 - 120	2011-08-19

continued ...

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromobenzene		1	µg/Kg	50.0	53.9	108	80 - 120	2011-08-19
n-Propylbenzene		1	µg/Kg	50.0	57.5	115	80 - 120	2011-08-19
1,3,5-Trimethylbenzene		1	µg/Kg	50.0	57.7	115	80 - 120	2011-08-19
tert-Butylbenzene	Qc	1	µg/Kg	50.0	61.7	123	80 - 120	2011-08-19
1,2,4-Trimethylbenzene		1	µg/Kg	50.0	55.7	111	80 - 120	2011-08-19
1,4-Dichlorobenzene (para)		1	µg/Kg	50.0	48.8	98	80 - 120	2011-08-19
sec-Butylbenzene		1	µg/Kg	50.0	56.2	112	80 - 120	2011-08-19
1,3-Dichlorobenzene (meta)		1	µg/Kg	50.0	51.7	103	80 - 120	2011-08-19
p-Isopropyltoluene			µg/Kg	50.0	55.0	110	80 - 120	2011-08-19
4-Chlorotoluene		1	µg/Kg	50.0	53.3	107	80 - 120	2011-08-19
1,2-Dichlorobenzene (ortho)		1	µg/Kg	50.0	48.9	98	80 - 120	2011-08-19
n-Butylbenzene		1	µg/Kg	50.0	47.9	96	80 - 120	2011-08-19
1,2-Dibromo-3-chloropropane	Qc		µg/Kg	50.0	26.8	54	80 - 120	2011-08-19
1,2,3-Trichlorobenzene	Qc	1	µg/Kg	50.0	17.5	35	80 - 120	2011-08-19
1,2,4-Trichlorobenzene	Qc	1	µg/Kg	50.0	21.4	43	80 - 120	2011-08-19
Naphthalene	Qc	1	µg/Kg	50.0	18.9	38	80 - 120	2011-08-19
Hexachlorobutadiene		1	µg/Kg	50.0	40.0	80	80 - 120	2011-08-19

Standard (ICV-1)

QC Batch: 84122 Date Analyzed: 2011-08-22 Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		1	mg/Kg	0.125	0.123	98	90 - 110	2011-08-22
Total Arsenic		1	mg/Kg	1.00	1.02	102	90 - 110	2011-08-22
Total Barium		1	mg/Kg	1.00	0.983	98	90 - 110	2011-08-22
Total Cadmium		1	mg/Kg	1.00	1.02	102	90 - 110	2011-08-22
Total Chromium		1	mg/Kg	1.00	1.02	102	90 - 110	2011-08-22
Total Lead		1	mg/Kg	1.00	1.00	100	90 - 110	2011-08-22
Total Selenium		1	mg/Kg	1.00	1.03	103	90 - 110	2011-08-22

Standard (CCV-1)

QC Batch: 84122 Date Analyzed: 2011-08-22 Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		1	mg/Kg	0.125	0.128	102	90 - 110	2011-08-22
Total Arsenic		1	mg/Kg	1.00	0.986	99	90 - 110	2011-08-22

continued ...

standard continued . . .

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		1	mg/Kg	1.00	1.03	103	90 - 110	2011-08-22
Total Cadmium		1	mg/Kg	1.00	1.04	104	90 - 110	2011-08-22
Total Chromium		1	mg/Kg	1.00	1.04	104	90 - 110	2011-08-22
Total Lead		1	mg/Kg	1.00	1.02	102	90 - 110	2011-08-22
Total Selenium		1	mg/Kg	1.00	0.978	98	90 - 110	2011-08-22

Standard (CCV-1)

QC Batch: 84125 | Date Analyzed: 2011-08-20 | Analyzed By: KB

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		1	µg/Kg	50.0	52.3	105	80 - 120	2011-08-20
Dichlorodifluoromethane		1	µg/Kg	50.0	42.4	85	80 - 120	2011-08-20
Chloromethane (methyl chloride)		1	µg/Kg	50.0	43.8	88	80 - 120	2011-08-20
Vinyl Chloride		1	µg/Kg	50.0	47.0	94	80 - 120	2011-08-20
Bromomethane (methyl bromide)		1	µg/Kg	50.0	46.4	93	80 - 120	2011-08-20
Chloroethane		1	µg/Kg	50.0	45.7	91	80 - 120	2011-08-20
Trichlorofluoromethane		1	µg/Kg	50.0	54.1	108	80 - 120	2011-08-20
Acetone	Qc	1	µg/Kg	50.0	33.6	67	80 - 120	2011-08-20
Iodomethane (methyl iodide)		1	µg/Kg	50.0	52.2	104	80 - 120	2011-08-20
Carbon Disulfide		1	µg/Kg	50.0	56.9	114	80 - 120	2011-08-20
Acrylonitrile		1	µg/Kg	50.0	42.8	86	80 - 120	2011-08-20
2-Butanone (MEK)	Qc	1	µg/Kg	50.0	36.1	72	80 - 120	2011-08-20
4-Methyl-2-pentanone (MIBK)		1	µg/Kg	50.0	41.6	83	80 - 120	2011-08-20
2-Hexanone	Qc	1	µg/Kg	50.0	30.6	61	80 - 120	2011-08-20
trans 1,4-Dichloro-2-butene	Qc	1	µg/Kg	50.0	26.2	52	80 - 120	2011-08-20
1,1-Dichloroethene		1	µg/Kg	50.0	50.5	101	80 - 120	2011-08-20
Methylene chloride		1	µg/Kg	50.0	51.2	102	80 - 120	2011-08-20
MTBE		1	µg/Kg	50.0	48.9	98	80 - 120	2011-08-20
trans-1,2-Dichloroethene		1	µg/Kg	50.0	51.4	103	80 - 120	2011-08-20
1,1-Dichloroethane		1	µg/Kg	50.0	52.4	105	80 - 120	2011-08-20
cis-1,2-Dichloroethene		1	µg/Kg	50.0	52.8	106	80 - 120	2011-08-20
2,2-Dichloropropane	Qc	1	µg/Kg	50.0	38.4	77	80 - 120	2011-08-20
1,2-Dichloroethane (EDC)		1	µg/Kg	50.0	48.6	97	80 - 120	2011-08-20
Chloroform		1	µg/Kg	50.0	53.0	106	80 - 120	2011-08-20
1,1,1-Trichloroethane		1	µg/Kg	50.0	54.8	110	80 - 120	2011-08-20
1,1-Dichloropropene		1	µg/Kg	50.0	52.4	105	80 - 120	2011-08-20
Benzene		1	µg/Kg	50.0	51.7	103	80 - 120	2011-08-20
Carbon Tetrachloride		1	µg/Kg	50.0	57.7	115	80 - 120	2011-08-20
1,2-Dichloropropane		1	µg/Kg	50.0	51.6	103	80 - 120	2011-08-20
Trichloroethene (TCE)		1	µg/Kg	50.0	57.0	114	80 - 120	2011-08-20
Dibromomethane (methylene bromide)		1	µg/Kg	50.0	48.6	97	80 - 120	2011-08-20

continued . . .

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromodichloromethane		1	µg/Kg	50.0	52.8	106	80 - 120	2011-08-20
2-Chloroethyl vinyl ether	Qc	1	µg/Kg	50.0	31.6	63	80 - 120	2011-08-20
cis-1,3-Dichloropropene		1	µg/Kg	50.0	49.1	98	80 - 120	2011-08-20
trans-1,3-Dichloropropene		1	µg/Kg	50.0	47.1	94	80 - 120	2011-08-20
Toluene		1	µg/Kg	50.0	51.3	103	80 - 120	2011-08-20
1,1,2-Trichloroethane		1	µg/Kg	50.0	47.9	96	80 - 120	2011-08-20
1,3-Dichloropropane		1	µg/Kg	50.0	47.3	95	80 - 120	2011-08-20
Dibromochloromethane		1	µg/Kg	50.0	52.5	105	80 - 120	2011-08-20
1,2-Dibromoethane (EDB)		1	µg/Kg	50.0	46.5	93	80 - 120	2011-08-20
Tetrachloroethene (PCE)	Qc	1	µg/Kg	50.0	79.6	159	80 - 120	2011-08-20
Chlorobenzene		1	µg/Kg	50.0	50.8	102	80 - 120	2011-08-20
1,1,1,2-Tetrachloroethane		1	µg/Kg	50.0	55.3	111	80 - 120	2011-08-20
Ethylbenzene		1	µg/Kg	50.0	52.0	104	80 - 120	2011-08-20
m,p-Xylene		1	µg/Kg	100	103	103	80 - 120	2011-08-20
Bromoform		1	µg/Kg	50.0	50.3	101	80 - 120	2011-08-20
Styrene		1	µg/Kg	50.0	49.1	98	80 - 120	2011-08-20
o-Xylene		1	µg/Kg	50.0	52.2	104	80 - 120	2011-08-20
1,1,2,2-Tetrachloroethane	Qc	1	µg/Kg	50.0	36.3	73	80 - 120	2011-08-20
2-Chlorotoluene		1	µg/Kg	50.0	57.1	114	80 - 120	2011-08-20
1,2,3-Trichloropropane		1	µg/Kg	50.0	58.2	116	80 - 120	2011-08-20
Isopropylbenzene	Qc	1	µg/Kg	50.0	61.4	123	80 - 120	2011-08-20
Bromobenzene		1	µg/Kg	50.0	54.4	109	80 - 120	2011-08-20
n-Propylbenzene		1	µg/Kg	50.0	56.5	113	80 - 120	2011-08-20
1,3,5-Trimethylbenzene		1	µg/Kg	50.0	57.3	115	80 - 120	2011-08-20
tert-Butylbenzene	Qc	1	µg/Kg	50.0	60.5	121	80 - 120	2011-08-20
1,2,4-Trimethylbenzene		1	µg/Kg	50.0	56.1	112	80 - 120	2011-08-20
1,4-Dichlorobenzene (para)		1	µg/Kg	50.0	48.0	96	80 - 120	2011-08-20
sec-Butylbenzene		1	µg/Kg	50.0	55.3	111	80 - 120	2011-08-20
1,3-Dichlorobenzene (meta)		1	µg/Kg	50.0	50.7	101	80 - 120	2011-08-20
p-Isopropyltoluene			µg/Kg	50.0	54.8	110	80 - 120	2011-08-20
4-Chlorotoluene		1	µg/Kg	50.0	53.6	107	80 - 120	2011-08-20
1,2-Dichlorobenzene (ortho)		1	µg/Kg	50.0	49.0	98	80 - 120	2011-08-20
n-Butylbenzene		1	µg/Kg	50.0	48.2	96	80 - 120	2011-08-20
1,2-Dibromo-3-chloropropane	Qc		µg/Kg	50.0	33.3	67	80 - 120	2011-08-20
1,2,3-Trichlorobenzene	Qc	1	µg/Kg	50.0	21.7	43	80 - 120	2011-08-20
1,2,4-Trichlorobenzene	Qc	1	µg/Kg	50.0	24.4	49	80 - 120	2011-08-20
Naphthalene	Qc	1	µg/Kg	50.0	22.2	44	80 - 120	2011-08-20
Hexachlorobutadiene		1	µg/Kg	50.0	43.2	86	80 - 120	2011-08-20

Standard (CCV-2)

QC Batch: 84158 | Date Analyzed: 2011-08-21 | Analyzed By: BP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		1	mg/Kg	250	237	95	75 - 125	2011-08-21
>C12-C28		1	mg/Kg	250	230	92	75 - 125	2011-08-21

Standard (CCV-3)

QC Batch: 84158 Date Analyzed: 2011-08-21 Analyzed By: BP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		1	mg/Kg	250	237	95	75 - 125	2011-08-21
>C12-C28		1	mg/Kg	250	226	90	75 - 125	2011-08-21

Standard (CCV-1)

QC Batch: 84159 Date Analyzed: 2011-08-21 Analyzed By: BP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		1	mg/Kg	250	237	95	75 - 125	2011-08-21
>C12-C28		1	mg/Kg	250	226	90	75 - 125	2011-08-21

Standard (CCV-2)

QC Batch: 84159 Date Analyzed: 2011-08-21 Analyzed By: BP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		1	mg/Kg	250	239	96	75 - 125	2011-08-21
>C12-C28		1	mg/Kg	250	232	93	75 - 125	2011-08-21

Standard (CCV-3)

QC Batch: 84159 Date Analyzed: 2011-08-21 Analyzed By: BP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		1	mg/Kg	250	247	99	75 - 125	2011-08-21
>C12-C28		1	mg/Kg	250	234	94	75 - 125	2011-08-21

Standard (CCV-1)

QC Batch: 84211 Date Analyzed: 2011-08-24 Analyzed By: MN

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pyridine		1	mg/Kg	60.0	55.8	93	80 - 120	2011-08-24
N-Nitrosodimethylamine		1	mg/Kg	60.0	55.8	93	80 - 120	2011-08-24
2-Picoline		1	mg/Kg	60.0	58.2	97	80 - 120	2011-08-24
Methyl methanesulfonate		1	mg/Kg	60.0	52.6	88	80 - 120	2011-08-24
Ethyl methanesulfonate		1	mg/Kg	60.0	54.7	91	80 - 120	2011-08-24
Phenol		1	mg/Kg	60.0	50.5	84	80 - 120	2011-08-24
Aniline		1	mg/Kg	60.0	55.0	92	80 - 120	2011-08-24
bis(2-chloroethyl)ether		1	mg/Kg	60.0	55.2	92	80 - 120	2011-08-24
2-Chlorophenol		1	mg/Kg	60.0	50.1	84	80 - 120	2011-08-24
1,3-Dichlorobenzene (meta)		1	mg/Kg	60.0	54.1	90	80 - 120	2011-08-24
1,4-Dichlorobenzene (para)		1	mg/Kg	60.0	53.9	90	80 - 120	2011-08-24
Benzyl alcohol		1	mg/Kg	60.0	53.7	90	80 - 120	2011-08-24
1,2-Dichlorobenzene (ortho)		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
2-Methylphenol		1	mg/Kg	60.0	48.8	81	80 - 120	2011-08-24
bis(2-chloroisopropyl)ether		1	mg/Kg	60.0	53.5	89	80 - 120	2011-08-24
4-Methylphenol / 3-Methylphenol		1	mg/Kg	60.0	50.3	84	80 - 120	2011-08-24
Acetophenone		1	mg/Kg	60.0	55.5	92	80 - 120	2011-08-24
N-Nitrosodi-n-propylamine		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
Hexachloroethane		1	mg/Kg	60.0	54.0	90	80 - 120	2011-08-24
Nitrobenzene		1	mg/Kg	60.0	60.4	101	80 - 120	2011-08-24
N-Nitrosopiperidine		1	mg/Kg	60.0	57.2	95	80 - 120	2011-08-24
Isophorone		1	mg/Kg	60.0	56.5	94	80 - 120	2011-08-24
2-Nitrophenol	Qc	1	mg/Kg	60.0	39.6	66	80 - 120	2011-08-24
2,4-Dimethylphenol		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
bis(2-chloroethoxy)methane		1	mg/Kg	60.0	55.8	93	80 - 120	2011-08-24
Benzoic acid		1	mg/Kg	60.0	65.0	108	80 - 120	2011-08-24
2,4-Dichlorophenol		1	mg/Kg	60.0	53.4	89	80 - 120	2011-08-24
1,2,4-Trichlorobenzene		1	mg/Kg	60.0	54.1	90	80 - 120	2011-08-24
Naphthalene		1	mg/Kg	60.0	53.9	90	80 - 120	2011-08-24
4-Chloroaniline		1	mg/Kg	60.0	54.9	92	80 - 120	2011-08-24
2,6-Dichlorophenol		1	mg/Kg	60.0	49.4	82	80 - 120	2011-08-24
Hexachlorobutadiene		1	mg/Kg	60.0	54.2	90	80 - 120	2011-08-24
N-Nitroso-di-n-butylamine		1	mg/Kg	60.0	57.4	96	80 - 120	2011-08-24
4-Chloro-3-methylphenol		1	mg/Kg	60.0	54.3	90	80 - 120	2011-08-24
1-Methylnaphthalene			mg/Kg	60.0	52.6	88	80 - 120	2011-08-24

continued . . .

standard continued . . .

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
2-Methylnaphthalene		1	mg/Kg	60.0	53.1	88	80 - 120	2011-08-24
1,2,4,5-Tetrachlorobenzene		1	mg/Kg	60.0	51.4	86	80 - 120	2011-08-24
Hexachlorocyclopentadiene		1	mg/Kg	60.0	62.3	104	80 - 120	2011-08-24
2,4,6-Trichlorophenol		1	mg/Kg	60.0	48.3	80	80 - 120	2011-08-24
2,4,5-Trichlorophenol		1	mg/Kg	60.0	60.1	100	80 - 120	2011-08-24
2-Chloronaphthalene		1	mg/Kg	60.0	51.0	85	80 - 120	2011-08-24
1-Chloronaphthalene		1	mg/Kg	60.0	53.2	89	80 - 120	2011-08-24
2-Nitroaniline		1	mg/Kg	60.0	61.5	102	80 - 120	2011-08-24
Dimethylphthalate		1	mg/Kg	60.0	57.5	96	80 - 120	2011-08-24
Acenaphthylene		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
2,6-Dinitrotoluene		1	mg/Kg	60.0	64.1	107	80 - 120	2011-08-24
3-Nitroaniline		1	mg/Kg	60.0	65.4	109	80 - 120	2011-08-24
Acenaphthene		1	mg/Kg	60.0	54.4	91	80 - 120	2011-08-24
2,4-Dinitrophenol		1	mg/Kg	60.0	58.9	98	80 - 120	2011-08-24
Dibenzofuran		1	mg/Kg	60.0	53.5	89	80 - 120	2011-08-24
Pentachlorobenzene		1	mg/Kg	60.0	55.6	93	80 - 120	2011-08-24
4-Nitrophenol		1	mg/Kg	60.0	54.5	91	80 - 120	2011-08-24
1-Naphthylamine		1	mg/Kg	60.0	60.7	101	80 - 120	2011-08-24
2,4-Dinitrotoluene		1	mg/Kg	60.0	64.1	107	80 - 120	2011-08-24
2-Naphthylamine		1	mg/Kg	60.0	59.8	100	80 - 120	2011-08-24
2,3,4,6-Tetrachlorophenol		1	mg/Kg	60.0	52.3	87	80 - 120	2011-08-24
Fluorene		1	mg/Kg	60.0	56.3	94	80 - 120	2011-08-24
Diethylphthalate		1	mg/Kg	60.0	58.9	98	80 - 120	2011-08-24
4-Chlorophenyl-phenylether		1	mg/Kg	60.0	55.5	92	80 - 120	2011-08-24
4-Nitroaniline		1	mg/Kg	60.0	64.3	107	80 - 120	2011-08-24
4,6-Dinitro-2-methylphenol	Qc	1	mg/Kg	60.0	46.6	78	80 - 120	2011-08-24
Diphenylamine		1	mg/Kg	60.0	59.2	99	80 - 120	2011-08-24
Diphenylhydrazine			mg/Kg	60.0	57.3	96	80 - 120	2011-08-24
4-Bromophenyl-phenylether		1	mg/Kg	60.0	59.8	100	80 - 120	2011-08-24
Phenacetin		1	mg/Kg	60.0	50.7	84	80 - 120	2011-08-24
Hexachlorobenzene		1	mg/Kg	60.0	52.9	88	80 - 120	2011-08-24
4-Aminobiphenyl		1	mg/Kg	60.0	56.6	94	80 - 120	2011-08-24
Pentachlorophenol		1	mg/Kg	60.0	56.5	94	80 - 120	2011-08-24
Pentachloronitrobenzene		1	mg/Kg	60.0	55.4	92	80 - 120	2011-08-24
Pronamide		1	mg/Kg	60.0	53.3	89	80 - 120	2011-08-24
Phenanthrene		1	mg/Kg	60.0	52.9	88	80 - 120	2011-08-24
Anthracene		1	mg/Kg	60.0	53.2	89	80 - 120	2011-08-24
Di-n-butylphthalate		1	mg/Kg	60.0	52.7	88	80 - 120	2011-08-24
Fluoranthene		1	mg/Kg	60.0	51.8	86	80 - 120	2011-08-24
Benzidine		1	mg/Kg	60.0	61.8	103	80 - 120	2011-08-24
Pyrene		1	mg/Kg	60.0	59.9	100	80 - 120	2011-08-24
p-Dimethylaminoazobenzene			mg/Kg	60.0	54.3	90	80 - 120	2011-08-24
Butylbenzylphthalate		1	mg/Kg	60.0	57.1	95	80 - 120	2011-08-24
Benzo(a)anthracene		1	mg/Kg	60.0	53.8	90	80 - 120	2011-08-24
3,3-Dichlorobenzidine		1	mg/Kg	60.0	56.8	95	80 - 120	2011-08-24
Chrysene		1	mg/Kg	60.0	54.9	92	80 - 120	2011-08-24

continued . . .

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
bis(2-ethylhexyl)phthalate		1	mg/Kg	60.0	55.2	92	80 - 120	2011-08-24
Di-n-octylphthalate		1	mg/Kg	60.0	55.3	92	80 - 120	2011-08-24
Benzo(b)fluoranthene		1	mg/Kg	60.0	51.0	85	80 - 120	2011-08-24
7,12-Dimethylbenz(a)anthracene		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
Benzo(k)fluoranthene		1	mg/Kg	60.0	57.3	96	80 - 120	2011-08-24
Benzo(a)pyrene		1	mg/Kg	60.0	52.0	87	80 - 120	2011-08-24
3-Methylcholanthrene		1	mg/Kg	60.0	50.5	84	80 - 120	2011-08-24
Dibenzo(a,j)acridine		1	mg/Kg	60.0	51.9	86	80 - 120	2011-08-24
Indeno(1,2,3-cd)pyrene		1	mg/Kg	60.0	51.0	85	80 - 120	2011-08-24
Dibenzo(a,h)anthracene		1	mg/Kg	60.0	51.2	85	80 - 120	2011-08-24
Benzo(g,h,i)perylene		1	mg/Kg	60.0	50.7	84	80 - 120	2011-08-24

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol			51.8	mg/Kg	1	60.0	86	-
Phenol-d5			50.9	mg/Kg	1	60.0	85	-
Nitrobenzene-d5			62.1	mg/Kg	1	60.0	104	-
2-Fluorobiphenyl			52.4	mg/Kg	1	60.0	87	-
2,4,6-Tribromophenol			52.0	mg/Kg	1	60.0	87	-
Terphenyl-d14			58.3	mg/Kg	1	60.0	97	-

Standard (CCV-2)

QC Batch: 84212 Date Analyzed: 2011-08-24 Analyzed By: MN

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pyridine		1	mg/Kg	60.0	54.2	90	80 - 120	2011-08-24
N-Nitrosodimethylamine		1	mg/Kg	60.0	54.1	90	80 - 120	2011-08-24
2-Picoline		1	mg/Kg	60.0	55.2	92	80 - 120	2011-08-24
Methyl methanesulfonate		1	mg/Kg	60.0	52.0	87	80 - 120	2011-08-24
Ethyl methanesulfonate		1	mg/Kg	60.0	52.2	87	80 - 120	2011-08-24
Phenol	Qc	1	mg/Kg	60.0	46.8	78	80 - 120	2011-08-24
Aniline		1	mg/Kg	60.0	53.3	89	80 - 120	2011-08-24
bis(2-chloroethyl)ether		1	mg/Kg	60.0	55.0	92	80 - 120	2011-08-24
2-Chlorophenol		1	mg/Kg	60.0	52.4	87	80 - 120	2011-08-24
1,3-Dichlorobenzene (meta)		1	mg/Kg	60.0	54.4	91	80 - 120	2011-08-24
1,4-Dichlorobenzene (para)		1	mg/Kg	60.0	53.3	89	80 - 120	2011-08-24
Benzyl alcohol		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
1,2-Dichlorobenzene (ortho)		1	mg/Kg	60.0	52.6	88	80 - 120	2011-08-24
2-Methylphenol		1	mg/Kg	60.0	50.2	84	80 - 120	2011-08-24
bis(2-chloroisopropyl)ether		1	mg/Kg	60.0	48.8	81	80 - 120	2011-08-24
4-Methylphenol / 3-Methylphenol		1	mg/Kg	60.0	51.0	85	80 - 120	2011-08-24

continued ...

standard continued . . .

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Acetophenone		1	mg/Kg	60.0	54.2	90	80 - 120	2011-08-24
N-Nitrosodi-n-propylamine		1	mg/Kg	60.0	49.5	82	80 - 120	2011-08-24
Hexachloroethane		1	mg/Kg	60.0	55.3	92	80 - 120	2011-08-24
Nitrobenzene		1	mg/Kg	60.0	59.7	100	80 - 120	2011-08-24
N-Nitrosopiperidine		1	mg/Kg	60.0	56.2	94	80 - 120	2011-08-24
Isophorone		1	mg/Kg	60.0	54.0	90	80 - 120	2011-08-24
2-Nitrophenol		1	mg/Kg	60.0	71.6	119	80 - 120	2011-08-24
2,4-Dimethylphenol		1	mg/Kg	60.0	52.6	88	80 - 120	2011-08-24
bis(2-chloroethoxy)methane		1	mg/Kg	60.0	52.6	88	80 - 120	2011-08-24
Benzoic acid	Qc	1	mg/Kg	60.0	82.5	138	80 - 120	2011-08-24
2,4-Dichlorophenol		1	mg/Kg	60.0	54.6	91	80 - 120	2011-08-24
1,2,4-Trichlorobenzene		1	mg/Kg	60.0	54.6	91	80 - 120	2011-08-24
Naphthalene		1	mg/Kg	60.0	53.4	89	80 - 120	2011-08-24
4-Chloroaniline		1	mg/Kg	60.0	54.5	91	80 - 120	2011-08-24
2,6-Dichlorophenol		1	mg/Kg	60.0	54.6	91	80 - 120	2011-08-24
Hexachlorobutadiene		1	mg/Kg	60.0	54.3	90	80 - 120	2011-08-24
N-Nitroso-di-n-butylamine		1	mg/Kg	60.0	54.8	91	80 - 120	2011-08-24
4-Chloro-3-methylphenol		1	mg/Kg	60.0	56.7	94	80 - 120	2011-08-24
1-Methylnaphthalene			mg/Kg	60.0	53.2	89	80 - 120	2011-08-24
2-Methylnaphthalene		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
1,2,4,5-Tetrachlorobenzene		1	mg/Kg	60.0	49.8	83	80 - 120	2011-08-24
Hexachlorocyclopentadiene		1	mg/Kg	60.0	67.7	113	80 - 120	2011-08-24
2,4,6-Trichlorophenol		1	mg/Kg	60.0	59.1	98	80 - 120	2011-08-24
2,4,5-Trichlorophenol		1	mg/Kg	60.0	66.6	111	80 - 120	2011-08-24
2-Chloronaphthalene		1	mg/Kg	60.0	51.0	85	80 - 120	2011-08-24
1-Chloronaphthalene		1	mg/Kg	60.0	48.9	82	80 - 120	2011-08-24
2-Nitroaniline		1	mg/Kg	60.0	67.9	113	80 - 120	2011-08-24
Dimethylphthalate		1	mg/Kg	60.0	59.6	99	80 - 120	2011-08-24
Acenaphthylene		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
2,6-Dinitrotoluene	Qc	1	mg/Kg	60.0	75.2	125	80 - 120	2011-08-24
3-Nitroaniline		1	mg/Kg	60.0	71.5	119	80 - 120	2011-08-24
Acenaphthene		1	mg/Kg	60.0	54.3	90	80 - 120	2011-08-24
2,4-Dinitrophenol	Qc	1	mg/Kg	60.0	79.1	132	80 - 120	2011-08-24
Dibenzofuran		1	mg/Kg	60.0	54.5	91	80 - 120	2011-08-24
Pentachlorobenzene		1	mg/Kg	60.0	57.6	96	80 - 120	2011-08-24
4-Nitrophenol		1	mg/Kg	60.0	67.0	112	80 - 120	2011-08-24
1-Naphthylamine		1	mg/Kg	60.0	61.9	103	80 - 120	2011-08-24
2,4-Dinitrotoluene	Qc	1	mg/Kg	60.0	75.2	125	80 - 120	2011-08-24
2-Naphthylamine		1	mg/Kg	60.0	62.7	104	80 - 120	2011-08-24
2,3,4,6-Tetrachlorophenol	Qc	1	mg/Kg	60.0	74.7	124	80 - 120	2011-08-24
Fluorene		1	mg/Kg	60.0	58.6	98	80 - 120	2011-08-24
Diethylphthalate		1	mg/Kg	60.0	60.8	101	80 - 120	2011-08-24
4-Chlorophenyl-phenylether		1	mg/Kg	60.0	55.9	93	80 - 120	2011-08-24
4-Nitroaniline		1	mg/Kg	60.0	65.3	109	80 - 120	2011-08-24
4,6-Dinitro-2-methylphenol	Qc	1	mg/Kg	60.0	81.4	136	80 - 120	2011-08-24
Diphenylamine		1	mg/Kg	60.0	59.9	100	80 - 120	2011-08-24

continued . . .

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Diphenylhydrazine			mg/Kg	60.0	56.1	94	80 - 120	2011-08-24
4-Bromophenyl-phenylether		1	mg/Kg	60.0	60.0	100	80 - 120	2011-08-24
Phenacetin		1	mg/Kg	60.0	50.4	84	80 - 120	2011-08-24
Hexachlorobenzene		1	mg/Kg	60.0	53.4	89	80 - 120	2011-08-24
4-Aminobiphenyl		1	mg/Kg	60.0	60.2	100	80 - 120	2011-08-24
Pentachlorophenol	Qc	1	mg/Kg	60.0	77.2	129	80 - 120	2011-08-24
Pentachloronitrobenzene		1	mg/Kg	60.0	60.4	101	80 - 120	2011-08-24
Pronamide		1	mg/Kg	60.0	52.2	87	80 - 120	2011-08-24
Phenanthrene		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
Anthracene		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
Di-n-butylphthalate		1	mg/Kg	60.0	51.9	86	80 - 120	2011-08-24
Fluoranthene		1	mg/Kg	60.0	48.4	81	80 - 120	2011-08-24
Benzidine	Qc	1	mg/Kg	60.0	81.9	136	80 - 120	2011-08-24
Pyrene		1	mg/Kg	60.0	66.0	110	80 - 120	2011-08-24
p-Dimethylaminoazobenzene			mg/Kg	60.0	58.0	97	80 - 120	2011-08-24
Butylbenzylphthalate		1	mg/Kg	60.0	60.6	101	80 - 120	2011-08-24
Benzo(a)anthracene		1	mg/Kg	60.0	55.4	92	80 - 120	2011-08-24
3,3-Dichlorobenzidine		1	mg/Kg	60.0	61.3	102	80 - 120	2011-08-24
Chrysene		1	mg/Kg	60.0	53.7	90	80 - 120	2011-08-24
bis(2-ethylhexyl)phthalate		1	mg/Kg	60.0	56.6	94	80 - 120	2011-08-24
Di-n-octylphthalate		1	mg/Kg	60.0	55.0	92	80 - 120	2011-08-24
Benzo(b)fluoranthene		1	mg/Kg	60.0	52.2	87	80 - 120	2011-08-24
7,12-Dimethylbenz(a)anthracene		1	mg/Kg	60.0	52.2	87	80 - 120	2011-08-24
Benzo(k)fluoranthene		1	mg/Kg	60.0	54.7	91	80 - 120	2011-08-24
Benzo(a)pyrene		1	mg/Kg	60.0	52.5	88	80 - 120	2011-08-24
3-Methylcholanthrene		1	mg/Kg	60.0	49.8	83	80 - 120	2011-08-24
Dibenzo(a,j)acridine		1	mg/Kg	60.0	53.7	90	80 - 120	2011-08-24
Indeno(1,2,3-cd)pyrene		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
Dibenzo(a,h)anthracene		1	mg/Kg	60.0	52.3	87	80 - 120	2011-08-24
Benzo(g,h,i)perylene		1	mg/Kg	60.0	52.7	88	80 - 120	2011-08-24

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol			55.3	mg/Kg	1	60.0	92	-
Phenol-d5			51.2	mg/Kg	1	60.0	85	-
Nitrobenzene-d5			64.4	mg/Kg	1	60.0	107	-
2-Fluorobiphenyl			50.0	mg/Kg	1	60.0	83	-
2,4,6-Tribromophenol			74.6	mg/Kg	1	60.0	124	-
Terphenyl-d14			63.2	mg/Kg	1	60.0	105	-

Standard (CCV-3)

QC Batch: 84212 | Date Analyzed: 2011-08-24 | Analyzed By: MN

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pyridine		1	mg/Kg	60.0	50.8	85	80 - 120	2011-08-24
N-Nitrosodimethylamine		1	mg/Kg	60.0	55.0	92	80 - 120	2011-08-24
2-Picoline		1	mg/Kg	60.0	55.7	93	80 - 120	2011-08-24
Methyl methanesulfonate		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
Ethyl methanesulfonate		1	mg/Kg	60.0	54.4	91	80 - 120	2011-08-24
Phenol		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
Aniline		1	mg/Kg	60.0	55.1	92	80 - 120	2011-08-24
bis(2-chloroethyl)ether		1	mg/Kg	60.0	53.7	90	80 - 120	2011-08-24
2-Chlorophenol		1	mg/Kg	60.0	53.8	90	80 - 120	2011-08-24
1,3-Dichlorobenzene (meta)		1	mg/Kg	60.0	55.1	92	80 - 120	2011-08-24
1,4-Dichlorobenzene (para)		1	mg/Kg	60.0	55.1	92	80 - 120	2011-08-24
Benzyl alcohol		1	mg/Kg	60.0	55.6	93	80 - 120	2011-08-24
1,2-Dichlorobenzene (ortho)		1	mg/Kg	60.0	53.6	89	80 - 120	2011-08-24
2-Methylphenol		1	mg/Kg	60.0	51.0	85	80 - 120	2011-08-24
bis(2-chloroisopropyl)ether		1	mg/Kg	60.0	50.5	84	80 - 120	2011-08-24
4-Methylphenol / 3-Methylphenol		1	mg/Kg	60.0	52.9	88	80 - 120	2011-08-24
Acetophenone		1	mg/Kg	60.0	54.1	90	80 - 120	2011-08-24
N-Nitrosodi-n-propylamine		1	mg/Kg	60.0	52.2	87	80 - 120	2011-08-24
Hexachloroethane		1	mg/Kg	60.0	57.2	95	80 - 120	2011-08-24
Nitrobenzene		1	mg/Kg	60.0	59.2	99	80 - 120	2011-08-24
N-Nitrosopiperidine		1	mg/Kg	60.0	57.6	96	80 - 120	2011-08-24
Isophorone		1	mg/Kg	60.0	57.1	95	80 - 120	2011-08-24
2-Nitrophenol	Qc	1	mg/Kg	60.0	76.4	127	80 - 120	2011-08-24
2,4-Dimethylphenol		1	mg/Kg	60.0	55.1	92	80 - 120	2011-08-24
bis(2-chloroethoxy)methane		1	mg/Kg	60.0	54.6	91	80 - 120	2011-08-24
Benzoic acid	Qc	1	mg/Kg	60.0	84.0	140	80 - 120	2011-08-24
2,4-Dichlorophenol		1	mg/Kg	60.0	60.7	101	80 - 120	2011-08-24
1,2,4-Trichlorobenzene		1	mg/Kg	60.0	54.5	91	80 - 120	2011-08-24
Naphthalene		1	mg/Kg	60.0	53.8	90	80 - 120	2011-08-24
4-Chloroaniline		1	mg/Kg	60.0	57.1	95	80 - 120	2011-08-24
2,6-Dichlorophenol		1	mg/Kg	60.0	56.8	95	80 - 120	2011-08-24
Hexachlorobutadiene		1	mg/Kg	60.0	56.6	94	80 - 120	2011-08-24
N-Nitroso-di-n-butylamine		1	mg/Kg	60.0	59.1	98	80 - 120	2011-08-24
4-Chloro-3-methylphenol		1	mg/Kg	60.0	63.6	106	80 - 120	2011-08-24
1-Methylnaphthalene			mg/Kg	60.0	55.4	92	80 - 120	2011-08-24
2-Methylnaphthalene		1	mg/Kg	60.0	55.6	93	80 - 120	2011-08-24
1,2,4,5-Tetrachlorobenzene		1	mg/Kg	60.0	48.7	81	80 - 120	2011-08-24
Hexachlorocyclopentadiene		1	mg/Kg	60.0	68.7	114	80 - 120	2011-08-24
2,4,6-Trichlorophenol		1	mg/Kg	60.0	60.0	100	80 - 120	2011-08-24
2,4,5-Trichlorophenol		1	mg/Kg	60.0	71.0	118	80 - 120	2011-08-24
2-Chloronaphthalene		1	mg/Kg	60.0	50.3	84	80 - 120	2011-08-24
1-Chloronaphthalene		1	mg/Kg	60.0	50.5	84	80 - 120	2011-08-24
2-Nitroaniline		1	mg/Kg	60.0	69.1	115	80 - 120	2011-08-24
Dimethylphthalate		1	mg/Kg	60.0	59.8	100	80 - 120	2011-08-24
Acenaphthylene		1	mg/Kg	60.0	53.5	89	80 - 120	2011-08-24
2,6-Dinitrotoluene	Qc	1	mg/Kg	60.0	76.2	127	80 - 120	2011-08-24
3-Nitroaniline	Qc	1	mg/Kg	60.0	74.1	124	80 - 120	2011-08-24

continued . . .

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Acenaphthene		1	mg/Kg	60.0	54.6	91	80 - 120	2011-08-24
2,4-Dinitrophenol	Qc	1	mg/Kg	60.0	76.5	128	80 - 120	2011-08-24
Dibenzofuran		1	mg/Kg	60.0	55.2	92	80 - 120	2011-08-24
Pentachlorobenzene		1	mg/Kg	60.0	58.1	97	80 - 120	2011-08-24
4-Nitrophenol		1	mg/Kg	60.0	63.4	106	80 - 120	2011-08-24
1-Naphthylamine		1	mg/Kg	60.0	62.7	104	80 - 120	2011-08-24
2,4-Dinitrotoluene	Qc	1	mg/Kg	60.0	76.2	127	80 - 120	2011-08-24
2-Naphthylamine		1	mg/Kg	60.0	61.1	102	80 - 120	2011-08-24
2,3,4,6-Tetrachlorophenol	Qc	1	mg/Kg	60.0	79.6	133	80 - 120	2011-08-24
Fluorene		1	mg/Kg	60.0	59.7	100	80 - 120	2011-08-24
Diethylphthalate		1	mg/Kg	60.0	61.8	103	80 - 120	2011-08-24
4-Chlorophenyl-phenylether		1	mg/Kg	60.0	58.3	97	80 - 120	2011-08-24
4-Nitroaniline		1	mg/Kg	60.0	66.2	110	80 - 120	2011-08-24
4,6-Dinitro-2-methylphenol	Qc	1	mg/Kg	60.0	83.4	139	80 - 120	2011-08-24
Diphenylamine		1	mg/Kg	60.0	60.0	100	80 - 120	2011-08-24
Diphenylhydrazine			mg/Kg	60.0	58.8	98	80 - 120	2011-08-24
4-Bromophenyl-phenylether		1	mg/Kg	60.0	61.7	103	80 - 120	2011-08-24
Phenacetin		1	mg/Kg	60.0	49.8	83	80 - 120	2011-08-24
Hexachlorobenzene		1	mg/Kg	60.0	53.8	90	80 - 120	2011-08-24
4-Aminobiphenyl		1	mg/Kg	60.0	59.3	99	80 - 120	2011-08-24
Pentachlorophenol	Qc	1	mg/Kg	60.0	72.5	121	80 - 120	2011-08-24
Pentachloronitrobenzene		1	mg/Kg	60.0	59.5	99	80 - 120	2011-08-24
Pronamide	Qc	1	mg/Kg	60.0	46.8	78	80 - 120	2011-08-24
Phenanthrene		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
Anthracene		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
Di-n-butylphthalate		1	mg/Kg	60.0	51.0	85	80 - 120	2011-08-24
Fluoranthene	Qc	1	mg/Kg	60.0	46.8	78	80 - 120	2011-08-24
Benzidine		1	mg/Kg	60.0	66.7	111	80 - 120	2011-08-24
Pyrene		1	mg/Kg	60.0	64.5	108	80 - 120	2011-08-24
p-Dimethylaminoazobenzene			mg/Kg	60.0	58.6	98	80 - 120	2011-08-24
Butylbenzylphthalate		1	mg/Kg	60.0	59.7	100	80 - 120	2011-08-24
Benzo(a)anthracene		1	mg/Kg	60.0	55.7	93	80 - 120	2011-08-24
3,3-Dichlorobenzidine		1	mg/Kg	60.0	57.4	96	80 - 120	2011-08-24
Chrysene		1	mg/Kg	60.0	54.6	91	80 - 120	2011-08-24
bis(2-ethylhexyl)phthalate		1	mg/Kg	60.0	57.3	96	80 - 120	2011-08-24
Di-n-octylphthalate		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
Benzo(b)fluoranthene		1	mg/Kg	60.0	51.6	86	80 - 120	2011-08-24
7,12-Dimethylbenz(a)anthracene		1	mg/Kg	60.0	50.6	84	80 - 120	2011-08-24
Benzo(k)fluoranthene		1	mg/Kg	60.0	53.9	90	80 - 120	2011-08-24
Benzo(a)pyrene		1	mg/Kg	60.0	52.5	88	80 - 120	2011-08-24
3-Methylcholanthrene	Qc	1	mg/Kg	60.0	42.7	71	80 - 120	2011-08-24
Dibenzo(a,j)acridine		1	mg/Kg	60.0	53.5	89	80 - 120	2011-08-24
Indeno(1,2,3-cd)pyrene		1	mg/Kg	60.0	53.6	89	80 - 120	2011-08-24
Dibenzo(a,h)anthracene		1	mg/Kg	60.0	53.8	90	80 - 120	2011-08-24
Benzo(g,h,i)perylene		1	mg/Kg	60.0	53.2	89	80 - 120	2011-08-24

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol			56.7	mg/Kg	1	60.0	94	-
Phenol-d5			52.1	mg/Kg	1	60.0	87	-
Nitrobenzene-d5			64.2	mg/Kg	1	60.0	107	-
2-Fluorobiphenyl			49.6	mg/Kg	1	60.0	83	-
2,4,6-Tribromophenol			81.3	mg/Kg	1	60.0	136	-
Terphenyl-d14			62.6	mg/Kg	1	60.0	104	-

Standard (CCV-1)

QC Batch: 84229 Date Analyzed: 2011-08-24 Analyzed By: DS

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Aroclor 1242 (PCB-1242)		1	mg/L	0.400	0.378	94	85 - 115	2011-08-24
Aroclor 1254 (PCB-1254)		1	mg/L	0.400	0.420	105	85 - 115	2011-08-24
Aroclor 1260 (PCB-1260)		1	mg/L	0.400	0.410	102	85 - 115	2011-08-24

Standard (CCV-2)

QC Batch: 84229 Date Analyzed: 2011-08-24 Analyzed By: DS

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Aroclor 1242 (PCB-1242)		1	mg/L	0.400	0.412	103	85 - 115	2011-08-24
Aroclor 1254 (PCB-1254)		1	mg/L	0.400	0.390	98	85 - 115	2011-08-24
Aroclor 1260 (PCB-1260)		1	mg/L	0.400	0.402	100	85 - 115	2011-08-24

Standard (CCV-1)

QC Batch: 84230 Date Analyzed: 2011-08-24 Analyzed By: DS

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Aroclor 1242 (PCB-1242)		1	mg/L	0.400	0.412	103	85 - 115	2011-08-24
Aroclor 1254 (PCB-1254)		1	mg/L	0.400	0.390	98	85 - 115	2011-08-24
Aroclor 1260 (PCB-1260)		1	mg/L	0.400	0.402	100	85 - 115	2011-08-24

Standard (CCV-2)

QC Batch: 84230 | Date Analyzed: 2011-08-24 | Analyzed By: DS

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Aroclor 1242 (PCB-1242)		1	mg/L	0.400	0.412	103	85 - 115	2011-08-24
Aroclor 1254 (PCB-1254)		1	mg/L	0.400	0.412	103	85 - 115	2011-08-24
Aroclor 1260 (PCB-1260)		1	mg/L	0.400	0.417	104	85 - 115	2011-08-24

Standard (CCV-1)

QC Batch: 84256 | Date Analyzed: 2011-08-25 | Analyzed By: TP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		1	mg/L	0.0100	0.0102	102	80 - 120	2011-08-25

Standard (CCV-2)

QC Batch: 84256 | Date Analyzed: 2011-08-25 | Analyzed By: TP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		1	mg/L	0.0100	0.0105	105	80 - 120	2011-08-25

Standard (CCV-1)

QC Batch: 84257 | Date Analyzed: 2011-08-25 | Analyzed By: TP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		1	mg/L	0.0100	0.0102	102	80 - 120	2011-08-25

Standard (CCV-2)

QC Batch: 84257 | Date Analyzed: 2011-08-25 | Analyzed By: TP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		1	mg/L	0.0100	0.0104	104	80 - 120	2011-08-25

Standard (ICV-1)

QC Batch: 84305 Date Analyzed: 2011-08-29 Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		1	mg/Kg	0.125	0.128	102	90 - 110	2011-08-29
Total Arsenic		1	mg/Kg	1.00	0.982	98	90 - 110	2011-08-29
Total Barium		1	mg/Kg	1.00	1.01	101	90 - 110	2011-08-29
Total Cadmium		1	mg/Kg	1.00	1.05	105	90 - 110	2011-08-29
Total Chromium		1	mg/Kg	1.00	1.01	101	90 - 110	2011-08-29
Total Lead		1	mg/Kg	1.00	0.986	99	90 - 110	2011-08-29
Total Selenium		1	mg/Kg	1.00	0.976	98	90 - 110	2011-08-29

Standard (CCV-1)

QC Batch: 84305 Date Analyzed: 2011-08-29 Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		1	mg/Kg	0.125	0.121	97	90 - 110	2011-08-29
Total Arsenic		1	mg/Kg	1.00	0.928	93	90 - 110	2011-08-29
Total Barium		1	mg/Kg	1.00	1.01	101	90 - 110	2011-08-29
Total Cadmium		1	mg/Kg	1.00	0.990	99	90 - 110	2011-08-29
Total Chromium		1	mg/Kg	1.00	0.988	99	90 - 110	2011-08-29
Total Lead		1	mg/Kg	1.00	0.940	94	90 - 110	2011-08-29
Total Selenium		1	mg/Kg	1.00	0.935	94	90 - 110	2011-08-29

Appendix

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704219-11-4	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Result Comments

1 MS/MSD ran but data not acquired due to software error.

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 1108918

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Fax (915) 585-494
1 (888) 588-3443

Company Name: dse
Phone #: 972-412-8666
Address: (Street, City, Zip) 3902 Industrial, Ste A
Fax #: 972-412-8660
Contact Person: C.W. Sprague
E-mail: cwsprague@dsei.com
Invoice to: (If different from above)
Project #: 103 7507
Project Name: Fort Worth Ph II
Project Location (including state): Mineral Wells, TX
Sampler Signature: Clark W. Sprague

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	ANALYSIS (Circle or Spe): MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624
23023	B-1 (5-10)	1	4oz	X								X		8/17/11	0806			X			X						X
024	B-2 (5-10)	1	"	X								X		"	1015			X			X						X
025	B-3 (0-5)	1	"	X								X		"	1129			X			X						X
026	B-4 (0-5)	1	"	X								X		"	1341			X			X						X
027	B-5 (5-10)	1	"	X								X		"	1455			X			X						X
028	B-6 (0-5)	1	"	X								X		8/18/11	0753			X			X						X
029	B-7 (10-15)	1	"	X								X		"	0920			X			X						X
030	B-8 (5-10)	1	"	X								X		"	1025			X			X						X
031	B-9 (5-10)	1	"	X								X		"	1300			X			X						X
032	B-10 (0-5)	1	"	X								X		"	1409			X			X						X
033	Dup-2	1	"	X								X		"	—			X			X						X

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Clark W. Sprague	dse	8/18/11	1530	[illegible]	TA	8/19/11	11:00

INST 5.6 °C
OBS 3.2 °C
COR 2.8 °C

LAB USE ONLY

Intact Y / N
Headspace Y / N / NA
Log-in-Review

REMARK: COC

Dry Weight
TRRP Repo
Check If Sp Limits Are N

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Fed Ex 7950

ORIGINAL COPY

Appendix A
Laboratory Data Package Cover Page – Page 1 of 4

This data package is for Job No. 11081918 and laboratory batch no(s) all inclusive to that Job No and consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- ❑ R1 Field chain-of-custody documentation;
- ❑ R2 Sample identification cross-reference;
- ❑ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5,
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ❑ R4 Surrogate recovery data including:
  - a) calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ❑ R5 Test reports/summary forms for blank samples;
- ❑ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ❑ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ❑ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ❑ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
- ❑ R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in the laboratory review checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program

Release Statement:I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [ ] This laboratory meets an exception under 30 TAC §25.6 and was last inspection by [ ] TCEQ or [ ] _____ on **(enter date of last inspection)**. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Name (Printed)	Signature	Official Title (Print)	Date
Michael Abel		Production Manager	09/02/2011

Laboratory Review Checklist: Reportable Data – Page 2 of 4

Laboratory Name: TraceAnalysis, Inc.	LRC Date: 9/02/11
Project Name: Ft. Wolters Phase II	Laboratory Job Number: 11081918
Reviewer Name: Michael Abel	Prep Batch Number(s): All Inclusive for Order I.D.

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✔				
		Were all departures from standard conditions described in an exception report?	✔				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✔				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✔				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	✔				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	✔				
		Were calculations checked by a peer or supervisor?	✔				
		Were all analyte identifications checked by a peer or supervisor?	✔				
		Were sample detection limits reported for all analytes not detected?	✔				
		Were all results for soil and sediment samples reported on a dry weight basis?	✔				
		Were % moisture (or solids) reported for all soil and sediment samples?	✔				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?	✔				
		If required for the project, are TICs reported?			✔		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	✔				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		✔			
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	✔				
		Were blanks analyzed at the appropriate frequency?	✔				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✔				
		Were blank concentrations < MQL?	✔				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	✔				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	✔				
		Were LCSs analyzed at required frequency?	✔				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		✔			
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	✔				
		Was the LCSD RPD within QC limits?		✔			
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	✔				
		Were MS/MSD analyzed at the appropriate frequency?		✔			
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		✔			
		Were MS/MSD RPDs within laboratory QC limits?		✔			
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	✔				
		Were analytical duplicates analyzed at the appropriate frequency?	✔				
		Were RPDs relative standard deviations within the laboratory QC limits?	✔				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	✔				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✔				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	✔				

Laboratory Review Checklist: Reportable Data – Page 2 of 4 Continued

Laboratory Name: TraceAnalysis, Inc.	LRC Date: 9/02/11
Project Name: Ft. Wolters Phase II	Laboratory Job Number: 11081918
Reviewer Name: Michael Abel	Prep Batch Number(s): All Inclusive for Order I.D.

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	✔				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	✔				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	✔				

1 Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

3 NA = Not applicable;

4 NR = Not reviewed;

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data – Page 3 of 4

Laboratory Name: TraceAnalysis, Inc.	LRC Date: 9/02/11
Project Name: Ft. Wolters Phase II	Laboratory Job Number: 11081918
Reviewer Name: Michael Abel	Prep Batch Number(s): All Inclusive for Order I.D.

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		Were response factors and /or relative response factors for each analyte within QC limits?	✔				
		Were percent RSDs or correlation coefficient criteria met?	✔				
		Was the number of standards recommended in the method used for all analytes?	✔				
		Were all points generated between the lowest and highest standard used to calculate the curve?	✔				
		Are ICAL data available for all instruments used?	✔				
		Has the initial calibration curve been verified using an appropriate second source standard?	✔				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	✔				
		Were percent differences for each analyte within the method required QC limits?		✔			
		Was the ICAL curve verified for each analyte?	✔				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	✔				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	✔				
		Were ion abundance data within the method-required QC limits?	✔				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	✔				
S5	O	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✔				
		Were data associated with manual integrations flagged on the raw data?	✔				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?	✔				
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✔		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	✔				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	✔				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	✔				
		Is the MDL either adjusted or supported by the analysis of DCSs?	✔				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✔				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✔				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	✔				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	✔				
		Is documentation of the analyst's competency up-to-date and on file?	✔				
S15	OI	**Verification/validation documentation for methods** (NELAC Chapter 5)					
		Are all the methods used to generate the date documented, verified, and validated, where applicable?	✔				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	✔				

1 Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

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3 NA = Not applicable;

4 NR = Not reviewed;

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Work Order: 11081918

Sample: 275024

Semivolatiles TRRP:

2-Fluorophenol	Qsr, Surrogate recovery outside of laboratory limits.

Sample: 275029

Semivolatiles TRRP:

2,4,6-Tribromophenol	Qsr, Surrogate recovery outside of laboratory limits.

Sample: 275030

Semivolatiles TRRP:

Terphenyl-d14	Qsr, Surrogate recovery outside of laboratory limits.

QC Batch: 84100

CCV	1,1,2,2-Tetrachloroethane	Qc, Calibration check outside of laboratory limits.
	1,2,3-Trichlorobenzene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	1,2,4-Trichlorobenzene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	1,2-Dibromo-3-chloropropane	Qc, Calibration check outside of laboratory limits.
	2,2-Dichloropropane	Qc, Calibration check outside of laboratory limits.
	2-Butanone (MEK)	Qc, Calibration check outside of laboratory limits.
	2-Chloroethyl vinyl ether	Qc, Calibration check outside of laboratory limits.
	2-Hexanone	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Acetone	Qc, Calibration check outside of laboratory limits.
	Acrylonitrile	Qc, Calibration check outside of laboratory limits.
	Isopropylbenzene	Qc, Calibration check outside of laboratory limits.
	Naphthalene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	tert-Butylbenzene	Qc, Calibration check outside of laboratory limits.
	Tetrachloroethene (PCE)	Qc, Calibration check outside of laboratory limits.
	trans 1,4-Dichloro-2-butene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
MSD	Bromomethane (methyl bromide)	Qr, RPD outside of laboratory limits
	Chloroethane	Qr, RPD outside of laboratory limits
	Dichlorodifluoromethane	Qr, RPD outside of laboratory limits
	Trichlorofluoromethane	Qr, RPD outside of laboratory limits

QC Batch: 84125

CCV	1,1,2,2-Tetrachloroethane	Qc, Calibration check outside of laboratory limits.
	1,2,3-Trichlorobenzene	Qc, Calibration check outside of laboratory limits.
	1,2,4-Trichlorobenzene	Qc, Calibration check outside of laboratory limits.
	1,2-Dibromo-3-chloropropane	Qc, Calibration check outside of laboratory limits.
	2,2-Dichloropropane	Qc, Calibration check outside of laboratory limits.
	2-Butanone (MEK)	Qc, Calibration check outside of laboratory limits.
	2-Chloroethyl vinyl ether	Qc, Calibration check outside of laboratory limits.
	2-Hexanone	Qc, Calibration check outside of laboratory limits.
	Acetone	Qc, Calibration check outside of laboratory limits.
	Isopropylbenzene	Qc, Calibration check outside of laboratory limits.
	Naphthalene	Qc, Calibration check outside of laboratory limits.
	tert-Butylbenzene	Qc, Calibration check outside of laboratory limits.
	Tetrachloroethene (PCE)	Qc, Calibration check outside of laboratory limits.
	trans 1,4-Dichloro-2-butene	Qc, Calibration check outside of laboratory limits.
LCS	1,2,3-Trichlorobenzene	Qs, Spike recovery outside of laboratory limits.
	1,2,4-Trichlorobenzene	Qs, Spike recovery outside of laboratory limits.
	Bromochloromethane	MS/MSD ran but data not acquired due to software error.
	Naphthalene	Qs, Spike recovery outside of laboratory limits.
LCSD	1,1,2,2-Tetrachloroethane	Qs, Spike recovery outside of laboratory limits.
	1,2,3-Trichlorobenzene	Qs, Spike recovery outside of laboratory limits.
	1,2,4-Trichlorobenzene	Qs, Spike recovery outside of laboratory limits.
	Naphthalene	Qs, Spike recovery outside of laboratory limits.

QC Batch: 84158

MS	C6-C12	Qs, Spike recovery outside of laboratory limits.
	n-Octane	Qsr, Surrogate recovery outside of laboratory limits.
MSD	C6-C12	Qs, Spike recovery outside of laboratory limits.
	n-Octane	Qsr, Surrogate recovery outside of laboratory limits.

QC Batch: 84159

MSD	C6-C12	Qs, Spike recovery outside of laboratory limits.

QC Batch: 84211

CCV	2-Nitrophenol	Qc, Calibration check outside of laboratory limits.
	4,6-Dinitro-2-methylphenol	Qc, Calibration check outside of laboratory limits.
LCSD	2-Nitrophenol	Qr, RPD outside of laboratory limits
	4,6-Dinitro-2-methylphenol	Qr, RPD outside of laboratory limits

QC Batch: 84212

CCV	2,3,4,6-Tetrachlorophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2,4-Dinitrophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2,4-Dinitrotoluene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2,6-Dinitrotoluene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2-Nitrophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	3-Methylcholanthrene	Qc, Calibration check outside of laboratory limits.
	3-Nitroaniline	Qc, Calibration check outside of laboratory limits.
	4,6-Dinitro-2-methylphenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Benzidine	Qc, Calibration check outside of laboratory limits.
	Benzoic acid	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Fluoranthene	Qc, Calibration check outside of laboratory limits.
	Pentachlorophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Phenol	Qc, Calibration check outside of laboratory limits.
	Pronamide	Qc, Calibration check outside of laboratory limits.
LCS	Benzo(k)fluoranthene	Qs, Spike recovery outside of laboratory limits.
MS	2,3,4,6-Tetrachlorophenol	Qs, Spike recovery outside of laboratory limits.
	2,4-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2,6-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	3-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	Acenaphthene	Qs, Spike recovery outside of laboratory limits.
	Anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzidine	Qs, Spike recovery outside of laboratory limits.
	Benzo(a)anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzo(b)fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Benzo(g,h,i)perylene	Qs, Spike recovery outside of laboratory limits.
	Chrysene	Qs, Spike recovery outside of laboratory limits.
	Dibenzofuran	Qs, Spike recovery outside of laboratory limits.
	Diphenylamine	Qs, Spike recovery outside of laboratory limits.
	Fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Fluorene	Qs, Spike recovery outside of laboratory limits.
	Indeno(1,2,3-cd)pyrene	Qs, Spike recovery outside of laboratory limits.
	Naphthalene	Qs, Spike recovery outside of laboratory limits.
	Phenanthrene	Qs, Spike recovery outside of laboratory limits.
	Pyrene	Qs, Spike recovery outside of laboratory limits.
MSD	2,3,4,6-Tetrachlorophenol	Qs, Spike recovery outside of laboratory limits.
	2,4,6-Tribromophenol	Qsr, Surrogate recovery outside of laboratory limits.
	2,4-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2,6-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	3-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	4-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	4-Nitrophenol	Qs, Spike recovery outside of laboratory limits.
	Acenaphthene	Qs, Spike recovery outside of laboratory limits.
	Anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzidine	Qs, Spike recovery outside of laboratory limits.
	Benzo(a)anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzo(a)pyrene	Qs, Spike recovery outside of laboratory limits.
	Benzo(b)fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Benzo(g,h,i)perylene	Qs, Spike recovery outside of laboratory limits.
	Benzo(k)fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Chrysene	Qs, Spike recovery outside of laboratory limits.
	Dibenzofuran	Qs, Spike recovery outside of laboratory limits.
	Diphenylamine	Qs, Spike recovery outside of laboratory limits.
	Fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Fluorene	Qs, Spike recovery outside of laboratory limits.
	Indeno(1,2,3-cd)pyrene	Qs, Spike recovery outside of laboratory limits.
	Naphthalene	Qs, Spike recovery outside of laboratory limits.
	Nitrobenzene	Qs, Spike recovery outside of laboratory limits.
	Pentachlorophenol	Qs, Spike recovery outside of laboratory limits.
	Phenanthrene	Qs, Spike recovery outside of laboratory limits.
	Pyrene	Qs, Spike recovery outside of laboratory limits.

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Chuck Sprague
Dougherty Sprague Environmental
3902 Industrial
Suite A
Rowlett, TX, 75088

Report Date: August 29, 2011

Work Order: 11081917

Project Loc: TDCJ Prop.-Fmrly. Ft. Wolters @ Mineral Wells
Project Name: Ft. Wolters Phase II
Project Number: 1037507

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
275012	GT-01	soil	2011-08-17	09:30	2011-08-19
275013	SS-01	soil	2011-08-17	10:30	2011-08-19
275014	SS-02	soil	2011-08-17	12:00	2011-08-19
275015	SS-03	soil	2011-08-17	12:15	2011-08-19
275016	SS-04	soil	2011-08-17	14:00	2011-08-19
275017	SS-05	soil	2011-08-17	15:30	2011-08-19
275018	SS-06	soil	2011-08-17	16:00	2011-08-19
275019	Dup.-01	soil	2011-08-17	00:00	2011-08-19
275020	SS-07	soil	2011-08-18	09:00	2011-08-19
275021	SS-08	soil	2011-08-18	10:00	2011-08-19
275022	SS-09	soil	2011-08-18	13:30	2011-08-19

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 111 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

All sample results are reported on a dry weight basis.

For inorganic analyses, the term MQL should actually read PQL.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Report Contents

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Case Narrative

Samples for project Ft. Wolters Phase II were received by TraceAnalysis, Inc. on 2011-08-19 and assigned to work order 11081917. Samples for work order 11081917 were received intact at a temperature of 2.8 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Ag, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
As, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
Ba, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
Cd, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
Cr, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
Hg, Total	S 7471 B	71476	2011-08-23 at 14:00	84179	2011-08-23 at 16:12
Hg, Total	S 7471 B	71528	2011-08-25 at 13:18	84256	2011-08-25 at 16:18
Moisture Content	ASTM D 2216-05	71422	2011-08-22 at 11:58	84115	2011-08-22 at 12:07
Moisture Content	ASTM D 2216-05	71423	2011-08-22 at 11:59	84116	2011-08-22 at 12:07
Pb, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
PCB	S 8082A	71517	2011-08-24 at 16:30	84229	2011-08-24 at 16:34
Semivolatiles TRRP	S 8270D	71499	2011-08-23 at 15:00	84212	2011-08-24 at 13:24
Se, Total	S 6010C	71419	2011-08-22 at 10:01	84122	2011-08-22 at 12:25
TX1005 - NEW	TX1005	71448	2011-08-19 at 14:00	84158	2011-08-21 at 04:00
Volatiles	S 8260 C	71410	2011-08-19 at 12:00	84100	2011-08-19 at 12:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 11081917 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Note: *All sample results are reported on a dry weight basis.*

Sample: 275012 - GT-01

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84115	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71422	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	33.9	%	1	

Sample: 275012 - GT-01

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84229	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB		1	**0.171**	**0.171**	<0.00870	mg/Kg	5	0.00870	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00908	<0.0126	<0.00908	mg/Kg	5	0.00908	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00968	<0.0126	<0.00968	mg/Kg	5	0.00968	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.0109	<0.0126	<0.0109	mg/Kg	5	0.0109	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.0113	<0.0126	<0.0113	mg/Kg	5	0.0113	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00870	<0.0126	<0.00870	mg/Kg	5	0.00870	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00998	<0.0126	<0.00998	mg/Kg	5	0.00998	0.00167	0.00132
Aroclor 1260 (PCB-1260)		1	**0.171**	**0.171**	<0.00915	mg/Kg	5	0.00915	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.0106	<0.0126	<0.0106	mg/Kg	5	0.0106	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0668	mg/Kg	5	0.0833	80	58.7 - 121

Sample: 275012 - GT-01

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.545	<3.78	<0.545	mg/Kg	10	0.545	0.25	0.036
N-Nitrosodimethylamine	U	1	<1.00	<3.78	<1.00	mg/Kg	10	1.00	0.25	0.0663
2-Picoline	U	1	<0.853	<3.78	<0.853	mg/Kg	10	0.853	0.25	0.0564
Methyl methanesulfonate	U	1	<0.782	<3.78	<0.782	mg/Kg	10	0.782	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.853	<3.78	<0.853	mg/Kg	10	0.853	0.25	0.0564
Phenol	Qc,U	1	<0.666	<3.78	<0.666	mg/Kg	10	0.666	0.25	0.044
Aniline	U	1	<0.788	<3.78	<0.788	mg/Kg	10	0.788	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.728	<3.78	<0.728	mg/Kg	10	0.728	0.25	0.0481
2-Chlorophenol	U	1	<0.678	<3.78	<0.678	mg/Kg	10	0.678	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.519	<3.78	<0.519	mg/Kg	10	0.519	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.434	<3.78	<0.434	mg/Kg	10	0.434	0.25	0.0287
Benzyl alcohol	U	1	<0.384	<3.78	<0.384	mg/Kg	10	0.384	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.882	<3.78	<0.882	mg/Kg	10	0.882	0.25	0.0583
2-Methylphenol	U	1	<0.545	<3.78	<0.545	mg/Kg	10	0.545	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.815	<3.78	<0.815	mg/Kg	10	0.815	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.886	<3.78	<0.886	mg/Kg	10	0.886	0.25	0.0586
Acetophenone	U	1	<0.513	<3.78	<0.513	mg/Kg	10	0.513	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.800	<3.78	<0.800	mg/Kg	10	0.800	0.25	0.0529
Hexachloroethane	U	1	<0.796	<3.78	<0.796	mg/Kg	10	0.796	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.626	<3.78	<0.626	mg/Kg	10	0.626	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.728	<3.78	<0.728	mg/Kg	10	0.728	0.25	0.0481
Isophorone	U	1	<0.817	<3.78	<0.817	mg/Kg	10	0.817	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.712	<3.78	<0.712	mg/Kg	10	0.712	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.602	<3.78	<0.602	mg/Kg	10	0.602	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.778	<3.78	<0.778	mg/Kg	10	0.778	0.25	0.0514
Benzoic acid	Qc,U	1	<0.602	<3.78	<0.602	mg/Kg	10	0.602	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.469	<3.78	<0.469	mg/Kg	10	0.469	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.511	<3.78	<0.511	mg/Kg	10	0.511	0.25	0.0338
Naphthalene	J,Qs	1	**2.54**	<3.78	<0.821	mg/Kg	10	0.821	0.25	0.0543
4-Chloroaniline	U	1	<0.620	<3.78	<0.620	mg/Kg	10	0.620	0.25	0.041
2,6-Dichlorophenol	U	1	<0.531	<3.78	<0.531	mg/Kg	10	0.531	0.25	0.0351
Hexachlorobutadiene	U	1	<0.587	<3.78	<0.587	mg/Kg	10	0.587	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.830	<3.78	<0.830	mg/Kg	10	0.830	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.402	<3.78	<0.402	mg/Kg	10	0.402	0.25	0.0266
1-Methylnaphthalene	U		<0.796	<3.78	<0.796	mg/Kg	10	0.796	0.25	0.0526
2-Methylnaphthalene	U	1	<0.729	<3.78	<0.729	mg/Kg	10	0.729	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.585	<3.78	<0.585	mg/Kg	10	0.585	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<1.48	<3.78	<1.48	mg/Kg	10	1.48	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.672	<3.78	<0.672	mg/Kg	10	0.672	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.853	<3.78	<0.853	mg/Kg	10	0.853	0.25	0.0564
2-Chloronaphthalene	U	1	<0.712	<3.78	<0.712	mg/Kg	10	0.712	0.25	0.0471
1-Chloronaphthalene	U	1	<0.891	<3.78	<0.891	mg/Kg	10	0.891	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.620	<3.78	<0.620	mg/Kg	10	0.620	0.25	0.041
Dimethylphthalate	U	1	<0.938	<3.78	<0.938	mg/Kg	10	0.938	0.25	0.062
Acenaphthylene	J	1	**0.953**	<3.78	<0.840	mg/Kg	10	0.840	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.841	<3.78	<0.841	mg/Kg	10	0.841	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.703	<3.78	<0.703	mg/Kg	10	0.703	0.25	0.0465

continued . . .

sample 275012 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Acenaphthene	J,Qs	1	**3.69**	<3.78	<0.844	mg/Kg	10	0.844	0.25	0.0558
2,4-Dinitrophenol	Qc,U	1	<1.26	<3.78	<1.26	mg/Kg	10	1.26	0.25	0.0835
Dibenzofuran	J,Qs	1	**3.00**	<3.78	<0.670	mg/Kg	10	0.670	0.25	0.0443
Pentachlorobenzene	U	1	<0.726	<3.78	<0.726	mg/Kg	10	0.726	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.334	<3.78	<0.334	mg/Kg	10	0.334	0.25	0.0221
1-Naphthylamine	U	1	<0.519	<3.78	<0.519	mg/Kg	10	0.519	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.955	<3.78	<0.955	mg/Kg	10	0.955	0.25	0.0631
2-Naphthylamine	U	1	<0.762	<3.78	<0.762	mg/Kg	10	0.762	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.319	<3.78	<0.319	mg/Kg	10	0.319	0.25	0.0211
Fluorene	Qs	1	**4.52**	**4.52**	<0.942	mg/Kg	10	0.942	0.25	0.0623
Diethylphthalate	U	1	<0.821	<3.78	<0.821	mg/Kg	10	0.821	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.711	<3.78	<0.711	mg/Kg	10	0.711	0.25	0.047
4-Nitroaniline	Qs,U	1	<1.57	<3.78	<1.57	mg/Kg	10	1.57	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<1.32	<3.78	<1.32	mg/Kg	10	1.32	0.25	0.0875
Diphenylamine	Qs,U	1	<0.853	<3.78	<0.853	mg/Kg	10	0.853	0.25	0.0564
Diphenylhydrazine	U		<0.974	<3.78	<0.974	mg/Kg	10	0.974	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.774	<3.78	<0.774	mg/Kg	10	0.774	0.25	0.0512
Phenacetin	U	1	<0.790	<3.78	<0.790	mg/Kg	10	0.790	0.25	0.0522
Hexachlorobenzene	U	1	<0.675	<3.78	<0.675	mg/Kg	10	0.675	0.25	0.0446
4-Aminobiphenyl	U	1	<0.532	<3.78	<0.532	mg/Kg	10	0.532	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.877	<3.78	<0.877	mg/Kg	10	0.877	0.25	0.058
Pentachloronitrobenzene	U	1	<0.523	<3.78	<0.523	mg/Kg	10	0.523	0.25	0.0346
Pronamide	Qc,U	1	<0.877	<3.78	<0.877	mg/Kg	10	0.877	0.25	0.058
Phenanthrene	J,Qs	1	**44.3**	**44.3**	<0.811	mg/Kg	10	0.811	0.25	0.0536
Anthracene	J,Qs	1	**7.23**	**7.23**	<0.546	mg/Kg	10	0.546	0.25	0.0361
Di-n-butylphthalate	U	1	<0.800	<3.78	<0.800	mg/Kg	10	0.800	0.25	0.0529
Fluoranthene	J,Qc,Qs	1	**48.7**	**48.7**	<0.516	mg/Kg	10	0.516	0.25	0.0341
Benzidine	Qc,Qs,U	1	<1.04	<3.78	<1.04	mg/Kg	10	1.04	0.25	0.0686
Pyrene	J,Qs	1	**47.4**	**47.4**	<0.590	mg/Kg	10	0.590	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.794	<3.78	<0.794	mg/Kg	10	0.794	0.25	0.0525
Butylbenzylphthalate	U	1	<1.04	<3.78	<1.04	mg/Kg	10	1.04	0.25	0.0687
Benzo(a)anthracene	J,Qs	1	**20.4**	**20.4**	<0.563	mg/Kg	10	0.563	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.741	<3.78	<0.741	mg/Kg	10	0.741	0.25	0.049
Chrysene	J,Qs	1	**32.7**	**32.7**	<0.753	mg/Kg	10	0.753	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<1.07	<3.78	<1.07	mg/Kg	10	1.07	0.25	0.0705
Di-n-octylphthalate	U	1	<1.03	<3.78	<1.03	mg/Kg	10	1.03	0.25	0.068
Benzo(b)fluoranthene	J,Qs	1	**33.0**	**33.0**	<0.578	mg/Kg	10	0.578	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.445	<3.78	<0.445	mg/Kg	10	0.445	0.25	0.0294
Benzo(k)fluoranthene	J,Qs	1	**3.22**	<3.78	<0.710	mg/Kg	10	0.710	0.25	0.0469
Benzo(a)pyrene	Qs	1	**4.96**	**4.96**	<0.673	mg/Kg	10	0.673	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.487	<3.78	<0.487	mg/Kg	10	0.487	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.977	<3.78	<0.977	mg/Kg	10	0.977	0.25	0.0646
Indeno(1,2,3-cd)pyrene	J,Qs	1	**13.3**	**13.3**	<0.650	mg/Kg	10	0.650	0.25	0.043
Dibenzo(a,h)anthracene	J	1	**1.54**	<3.78	<0.714	mg/Kg	10	0.714	0.25	0.0472
Benzo(g,h,i)perylene	J,Qs	1	**13.7**	**13.7**	<0.637	mg/Kg	10	0.637	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol	J		1.19	mg/Kg	10	2.67	44	10 - 88
Phenol-d5	J		1.62	mg/Kg	10	2.67	61	10 - 100
Nitrobenzene-d5	J		2.26	mg/Kg	10	2.67	85	10 - 89.7
2-Fluorobiphenyl	J		2.07	mg/Kg	10	2.67	78	13 - 93
2,4,6-Tribromophenol	Qsr		2.87	mg/Kg	10	2.67	107	10 - 99.4
Terphenyl-d14	Qsr		2.73	mg/Kg	10	2.67	102	38.9 - 94.4

Sample: 275012 - GT-01

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84179	Date Analyzed:	2011-08-23	Analyzed By:	TP
Prep Batch:	71476	Sample Preparation:	2011-08-23	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0558	<0.756	<0.0558	mg/Kg	1	0.0558	0.5	0.0369
Total Arsenic	U	1	<0.414	<3.02	<0.414	mg/Kg	1	0.414	2	0.274
Total Barium		1	**218**	**218**	<0.345	mg/Kg	1	0.345	1	0.228
Total Cadmium		1	**6.23**	**6.23**	<0.0844	mg/Kg	1	0.0844	0.5	0.0558
Total Chromium		1	**56.3**	**56.3**	<0.203	mg/Kg	1	0.203	0.5	0.134
Total Mercury		1	**0.991**	**0.991**	<0.00300	mg/Kg	1	0.00300	0.025	0.00198
Total Lead		1	**1020**	**1020**	<2.96	mg/Kg	10	2.96	1	0.196
Total Selenium	U	1	<0.321	<3.02	<0.321	mg/Kg	1	0.321	2	0.212

Sample: 275012 - GT-01

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<19.5	<75.6	<19.5	mg/Kg	1	19.5	50	12.9
>C12-C28	U	1	<16.9	<75.6	<16.9	mg/Kg	1	16.9	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			104	mg/Kg	1	100	104	55.1 - 140
n-Tricosane			96.4	mg/Kg	1	100	96	65.2 - 142
n-Triacontane			108	mg/Kg	1	100	108	68.8 - 145

Sample: 275012 - GT-01

Laboratory: Lubbock
Analysis: Volatiles | Analytical Method: S 8260 C | Prep Method: S 5030B
QC Batch: 84100 | Date Analyzed: 2011-08-19 | Analyzed By: KB
Prep Batch: 71410 | Sample Preparation: 2011-08-19 | Prepared By: KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<9.56	<30.2	<9.56	µg/Kg	1	9.56	20	6.32
Dichlorodifluoromethane	Qr,U	1	<22.4	<30.2	<22.4	µg/Kg	1	22.4	20	14.8
Chloromethane (methyl chloride)	U	1	<7.12	<30.2	<7.12	µg/Kg	1	7.12	20	4.71
Vinyl Chloride	U	1	<20.3	<30.2	<20.3	µg/Kg	1	20.3	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<9.61	<151	<9.61	µg/Kg	1	9.61	100	6.35
Chloroethane	Qr,U	1	<14.3	<30.2	<14.3	µg/Kg	1	14.3	20	9.44
Trichlorofluoromethane	Qr,U	1	<21.9	<30.2	<21.9	µg/Kg	1	21.9	20	14.5
Acetone	Qc,U	1	<26.9	<302	<26.9	µg/Kg	1	26.9	200	17.8
Iodomethane (methyl iodide)	U	1	<8.18	<151	<8.18	µg/Kg	1	8.18	100	5.41
Carbon Disulfide	U	1	<8.09	<30.2	<8.09	µg/Kg	1	8.09	20	5.35
Acrylonitrile	Qc,U	1	<6.26	<30.2	<6.26	µg/Kg	1	6.26	20	4.14
2-Butanone (MEK)	Qc,U	1	<14.9	<151	<14.9	µg/Kg	1	14.9	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<12.4	<151	<12.4	µg/Kg	1	12.4	100	8.2
2-Hexanone	Qc,U	1	<13.2	<151	<13.2	µg/Kg	1	13.2	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<7.46	<302	<7.46	µg/Kg	1	7.46	200	4.93
1,1-Dichloroethene	U	1	<8.76	<30.2	<8.76	µg/Kg	1	8.76	20	5.79
Methylene chloride	JB	1	**26.2**	<151	20.9	µg/Kg	1	10.5	100	6.93
MTBE	U	1	<6.20	<30.2	<6.20	µg/Kg	1	6.20	20	4.1
trans-1,2-Dichloroethene	U	1	<9.52	<30.2	<9.52	µg/Kg	1	9.52	20	6.29
1,1-Dichloroethane	U	1	<8.43	<30.2	<8.43	µg/Kg	1	8.43	20	5.57
cis-1,2-Dichloroethene	U	1	<7.96	<30.2	<7.96	µg/Kg	1	7.96	20	5.26
2,2-Dichloropropane	Qc,U	1	<8.52	<30.2	<8.52	µg/Kg	1	8.52	20	5.63
1,2-Dichloroethane (EDC)	U	1	<7.79	<30.2	<7.79	µg/Kg	1	7.79	20	5.15
Chloroform	U	1	<6.29	<30.2	<6.29	µg/Kg	1	6.29	20	4.16
1,1,1-Trichloroethane	U	1	<9.44	<30.2	<9.44	µg/Kg	1	9.44	20	6.24
1,1-Dichloropropene	U	1	<8.94	<30.2	<8.94	µg/Kg	1	8.94	20	5.91
Benzene	U	1	<9.18	<30.2	<9.18	µg/Kg	1	9.18	20	6.07
Carbon Tetrachloride	U	1	<7.73	<30.2	<7.73	µg/Kg	1	7.73	20	5.11
1,2-Dichloropropane	U	1	<8.65	<30.2	<8.65	µg/Kg	1	8.65	20	5.72
Trichloroethene (TCE)	U	1	<9.48	<30.2	<9.48	µg/Kg	1	9.48	20	6.27
Dibromomethane (methylene bromide)	U	1	<6.46	<30.2	<6.46	µg/Kg	1	6.46	20	4.27
Bromodichloromethane	U	1	<11.6	<30.2	<11.6	µg/Kg	1	11.6	20	7.65
2-Chloroethyl vinyl ether	Qc,U	1	<7.97	<30.2	<7.97	µg/Kg	1	7.97	20	5.27

continued . . .

sample 275012 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
cis-1,3-Dichloropropene	U	1	<8.38	<30.2	<8.38	µg/Kg	1	8.38	20	5.54
trans-1,3-Dichloropropene	U	1	<6.29	<30.2	<6.29	µg/Kg	1	6.29	20	4.16
Toluene	U	1	<11.2	<30.2	<11.2	µg/Kg	1	11.2	20	7.42
1,1,2-Trichloroethane	U	1	<9.58	<30.2	<9.58	µg/Kg	1	9.58	20	6.33
1,3-Dichloropropane	U	1	<9.30	<30.2	<9.30	µg/Kg	1	9.30	20	6.15
Dibromochloromethane	U	1	<10.0	<30.2	<10.0	µg/Kg	1	10.0	20	6.63
1,2-Dibromoethane (EDB)	U	1	<9.24	<30.2	<9.24	µg/Kg	1	9.24	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<19.2	<30.2	<19.2	µg/Kg	1	19.2	20	12.7
Chlorobenzene	U	1	<11.8	<30.2	<11.8	µg/Kg	1	11.8	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<7.12	<30.2	<7.12	µg/Kg	1	7.12	20	4.71
Ethylbenzene	U	1	<11.6	<30.2	<11.6	µg/Kg	1	11.6	20	7.7
m,p-Xylene	U	1	<22.2	<30.2	<22.2	µg/Kg	1	22.2	20	14.7
Bromoform	U	1	<8.55	<30.2	<8.55	µg/Kg	1	8.55	20	5.65
Styrene	U	1	<11.9	<30.2	<11.9	µg/Kg	1	11.9	20	7.89
o-Xylene	U	1	<12.0	<30.2	<12.0	µg/Kg	1	12.0	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<7.79	<30.2	<7.79	µg/Kg	1	7.79	20	5.15
2-Chlorotoluene	U	1	<12.4	<30.2	<12.4	µg/Kg	1	12.4	20	8.18
1,2,3-Trichloropropane	U	1	<11.7	<30.2	<11.7	µg/Kg	1	11.7	20	7.71
Isopropylbenzene	Qc,U	1	<13.8	<30.2	<13.8	µg/Kg	1	13.8	20	9.13
Bromobenzene	U	1	<10.2	<30.2	<10.2	µg/Kg	1	10.2	20	6.72
n-Propylbenzene	U	1	<11.4	<30.2	<11.4	µg/Kg	1	11.4	20	7.57
1,3,5-Trimethylbenzene	U	1	<13.0	<30.2	<13.0	µg/Kg	1	13.0	20	8.63
tert-Butylbenzene	Qc,U	1	<12.2	<30.2	<12.2	µg/Kg	1	12.2	20	8.05
1,2,4-Trimethylbenzene	U	1	<11.8	<30.2	<11.8	µg/Kg	1	11.8	20	7.83
1,4-Dichlorobenzene (para)	U	1	<13.2	<30.2	<13.2	µg/Kg	1	13.2	20	8.73
sec-Butylbenzene	U	1	<11.0	<30.2	<11.0	µg/Kg	1	11.0	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<10.8	<30.2	<10.8	µg/Kg	1	10.8	20	7.14
p-Isopropyltoluene	U		<9.48	<30.2	<9.48	µg/Kg	1	9.48	20	6.27
4-Chlorotoluene	U	1	<14.1	<30.2	<14.1	µg/Kg	1	14.1	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<13.8	<30.2	<13.8	µg/Kg	1	13.8	20	9.1
n-Butylbenzene	U	1	<11.0	<30.2	11.4	µg/Kg	1	11.0	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<11.5	<151	<11.5	µg/Kg	1	11.5	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<11.1	<151	33.0	µg/Kg	1	11.1	100	7.32
1,2,4-Trichlorobenzene	JB,Qc	1	**14.8**	<151	20.6	µg/Kg	1	10.1	100	6.66
Naphthalene	JB,Qc	1	**51.9**	<151	79.3	µg/Kg	1	11.6	100	7.66
Hexachlorobutadiene	JB	1	**40.4**	<151	58.5	µg/Kg	1	18.6	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			924	µg/Kg	1	1000	92	70 - 130
Toluene-d8			982	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			922	µg/Kg	1	1000	92	70 - 130

Sample: 275013 - SS-01

Laboratory: Lubbock
Analysis: Moisture Content | Analytical Method: ASTM D 2216-05 | Prep Method: N/A
QC Batch: 84115 | Date Analyzed: 2011-08-22 | Analyzed By: CR
Prep Batch: 71422 | Sample Preparation: 2011-08-22 | Prepared By: CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	6.05	%	1	

Sample: 275013 - SS-01

Laboratory: Lubbock
Analysis: PCB | Analytical Method: S 8082A | Prep Method: S 3550
QC Batch: 84229 | Date Analyzed: 2011-08-24 | Analyzed By: DS
Prep Batch: 71517 | Sample Preparation: 2011-08-24 | Prepared By: DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB		1	**0.534**	**0.534**	<0.00612	mg/Kg	5	0.00612	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00639	<0.00890	<0.00639	mg/Kg	5	0.00639	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00681	<0.00890	<0.00681	mg/Kg	5	0.00681	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00766	<0.00890	<0.00766	mg/Kg	5	0.00766	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00798	<0.00890	<0.00798	mg/Kg	5	0.00798	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00612	<0.00890	<0.00612	mg/Kg	5	0.00612	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00702	<0.00890	<0.00702	mg/Kg	5	0.00702	0.00167	0.00132
Aroclor 1260 (PCB-1260)		1	**0.534**	**0.534**	<0.00644	mg/Kg	5	0.00644	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00745	<0.00890	<0.00745	mg/Kg	5	0.00745	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0882	mg/Kg	5	0.0833	106	58.7 - 121

Sample: 275013 - SS-01

Laboratory: Lubbock
Analysis: Semivolatiles TRRP | Analytical Method: S 8270D | Prep Method: S 3550
QC Batch: 84212 | Date Analyzed: 2011-08-24 | Analyzed By: MN
Prep Batch: 71499 | Sample Preparation: 2011-08-23 | Prepared By: MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.383	<2.66	<0.383	mg/Kg	10	0.383	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.706	<2.66	<0.706	mg/Kg	10	0.706	0.25	0.0663
2-Picoline	U	1	<0.600	<2.66	<0.600	mg/Kg	10	0.600	0.25	0.0564

continued . . .

sample 275013 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.550	<2.66	<0.550	mg/Kg	10	0.550	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.600	<2.66	<0.600	mg/Kg	10	0.600	0.25	0.0564
Phenol	Qc,U	1	<0.468	<2.66	<0.468	mg/Kg	10	0.468	0.25	0.044
Aniline	U	1	<0.554	<2.66	<0.554	mg/Kg	10	0.554	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.512	<2.66	<0.512	mg/Kg	10	0.512	0.25	0.0481
2-Chlorophenol	U	1	<0.477	<2.66	<0.477	mg/Kg	10	0.477	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.365	<2.66	<0.365	mg/Kg	10	0.365	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.305	<2.66	<0.305	mg/Kg	10	0.305	0.25	0.0287
Benzyl alcohol	U	1	<0.270	<2.66	<0.270	mg/Kg	10	0.270	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.620	<2.66	<0.620	mg/Kg	10	0.620	0.25	0.0583
2-Methylphenol	U	1	<0.383	<2.66	<0.383	mg/Kg	10	0.383	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.574	<2.66	<0.574	mg/Kg	10	0.574	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.624	<2.66	<0.624	mg/Kg	10	0.624	0.25	0.0586
Acetophenone	U	1	<0.361	<2.66	<0.361	mg/Kg	10	0.361	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.563	<2.66	<0.563	mg/Kg	10	0.563	0.25	0.0529
Hexachloroethane	U	1	<0.560	<2.66	<0.560	mg/Kg	10	0.560	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.441	<2.66	<0.441	mg/Kg	10	0.441	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.512	<2.66	<0.512	mg/Kg	10	0.512	0.25	0.0481
Isophorone	U	1	<0.575	<2.66	<0.575	mg/Kg	10	0.575	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.501	<2.66	<0.501	mg/Kg	10	0.501	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.424	<2.66	<0.424	mg/Kg	10	0.424	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.547	<2.66	<0.547	mg/Kg	10	0.547	0.25	0.0514
Benzoic acid	J,Qc	1	**2.62**	<2.66	<0.424	mg/Kg	10	0.424	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.330	<2.66	<0.330	mg/Kg	10	0.330	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.360	<2.66	<0.360	mg/Kg	10	0.360	0.25	0.0338
Naphthalene	Qs,U	1	<0.578	<2.66	<0.578	mg/Kg	10	0.578	0.25	0.0543
4-Chloroaniline	U	1	<0.436	<2.66	<0.436	mg/Kg	10	0.436	0.25	0.041
2,6-Dichlorophenol	U	1	<0.374	<2.66	<0.374	mg/Kg	10	0.374	0.25	0.0351
Hexachlorobutadiene	U	1	<0.413	<2.66	<0.413	mg/Kg	10	0.413	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.584	<2.66	<0.584	mg/Kg	10	0.584	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.283	<2.66	<0.283	mg/Kg	10	0.283	0.25	0.0266
1-Methylnaphthalene	U		<0.560	<2.66	<0.560	mg/Kg	10	0.560	0.25	0.0526
2-Methylnaphthalene	U	1	<0.513	<2.66	<0.513	mg/Kg	10	0.513	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.412	<2.66	<0.412	mg/Kg	10	0.412	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<1.04	<2.66	<1.04	mg/Kg	10	1.04	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.472	<2.66	<0.472	mg/Kg	10	0.472	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.600	<2.66	<0.600	mg/Kg	10	0.600	0.25	0.0564
2-Chloronaphthalene	U	1	<0.501	<2.66	<0.501	mg/Kg	10	0.501	0.25	0.0471
1-Chloronaphthalene	U	1	<0.627	<2.66	<0.627	mg/Kg	10	0.627	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.436	<2.66	<0.436	mg/Kg	10	0.436	0.25	0.041
Dimethylphthalate	U	1	<0.660	<2.66	<0.660	mg/Kg	10	0.660	0.25	0.062
Acenaphthylene	U	1	<0.591	<2.66	<0.591	mg/Kg	10	0.591	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.592	<2.66	<0.592	mg/Kg	10	0.592	0.25	0.0556
3-Nitroaniline	J,Qc,Qs	1	**1.08**	<2.66	<0.495	mg/Kg	10	0.495	0.25	0.0465
Acenaphthene	Qs,U	1	<0.594	<2.66	<0.594	mg/Kg	10	0.594	0.25	0.0558

continued ...

sample 275013 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.889	<2.66	<0.889	mg/Kg	10	0.889	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.472	<2.66	<0.472	mg/Kg	10	0.472	0.25	0.0443
Pentachlorobenzene	U	1	<0.511	<2.66	<0.511	mg/Kg	10	0.511	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.235	<2.66	<0.235	mg/Kg	10	0.235	0.25	0.0221
1-Naphthylamine	U	1	<0.365	<2.66	<0.365	mg/Kg	10	0.365	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.672	<2.66	<0.672	mg/Kg	10	0.672	0.25	0.0631
2-Naphthylamine	U	1	<0.536	<2.66	<0.536	mg/Kg	10	0.536	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.224	<2.66	<0.224	mg/Kg	10	0.224	0.25	0.0211
Fluorene	Qs,U	1	<0.663	<2.66	<0.663	mg/Kg	10	0.663	0.25	0.0623
Diethylphthalate	U	1	<0.578	<2.66	<0.578	mg/Kg	10	0.578	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.500	<2.66	<0.500	mg/Kg	10	0.500	0.25	0.047
4-Nitroaniline	Qs,U	1	<1.11	<2.66	<1.11	mg/Kg	10	1.11	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.931	<2.66	<0.931	mg/Kg	10	0.931	0.25	0.0875
Diphenylamine	Qs,U	1	<0.600	<2.66	<0.600	mg/Kg	10	0.600	0.25	0.0564
Diphenylhydrazine	U		<0.685	<2.66	<0.685	mg/Kg	10	0.685	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.545	<2.66	<0.545	mg/Kg	10	0.545	0.25	0.0512
Phenacetin	U	1	<0.556	<2.66	<0.556	mg/Kg	10	0.556	0.25	0.0522
Hexachlorobenzene	U	1	<0.475	<2.66	<0.475	mg/Kg	10	0.475	0.25	0.0446
4-Aminobiphenyl	U	1	<0.375	<2.66	<0.375	mg/Kg	10	0.375	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.617	<2.66	<0.617	mg/Kg	10	0.617	0.25	0.058
Pentachloronitrobenzene	U	1	<0.368	<2.66	<0.368	mg/Kg	10	0.368	0.25	0.0346
Pronamide	Qc,U	1	<0.617	<2.66	<0.617	mg/Kg	10	0.617	0.25	0.058
Phenanthrene	J,Qs	1	**0.837**	<2.66	<0.570	mg/Kg	10	0.570	0.25	0.0536
Anthracene	Qs,U	1	<0.384	<2.66	<0.384	mg/Kg	10	0.384	0.25	0.0361
Di-n-butylphthalate	U	1	<0.563	<2.66	<0.563	mg/Kg	10	0.563	0.25	0.0529
Fluoranthene	J,Qc,Qs	1	**1.42**	<2.66	<0.363	mg/Kg	10	0.363	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.730	<2.66	<0.730	mg/Kg	10	0.730	0.25	0.0686
Pyrene	J,Qs	1	**1.53**	<2.66	<0.415	mg/Kg	10	0.415	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.559	<2.66	<0.559	mg/Kg	10	0.559	0.25	0.0525
Butylbenzylphthalate	U	1	<0.731	<2.66	<0.731	mg/Kg	10	0.731	0.25	0.0687
Benzo(a)anthracene	J,Qs	1	**0.710**	<2.66	<0.396	mg/Kg	10	0.396	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.522	<2.66	<0.522	mg/Kg	10	0.522	0.25	0.049
Chrysene	J,Qs	1	**1.28**	<2.66	<0.530	mg/Kg	10	0.530	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.750	<2.66	<0.750	mg/Kg	10	0.750	0.25	0.0705
Di-n-octylphthalate	U	1	<0.724	<2.66	<0.724	mg/Kg	10	0.724	0.25	0.068
Benzo(b)fluoranthene	J,Qs	1	**1.21**	<2.66	<0.406	mg/Kg	10	0.406	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.313	<2.66	<0.313	mg/Kg	10	0.313	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.499	<2.66	<0.499	mg/Kg	10	0.499	0.25	0.0469
Benzo(a)pyrene	J,Qs	1	**0.771**	<2.66	<0.474	mg/Kg	10	0.474	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.343	<2.66	<0.343	mg/Kg	10	0.343	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.688	<2.66	<0.688	mg/Kg	10	0.688	0.25	0.0646
Indeno(1,2,3-cd)pyrene	J,Qs	1	**0.726**	<2.66	<0.458	mg/Kg	10	0.458	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.502	<2.66	<0.502	mg/Kg	10	0.502	0.25	0.0472
Benzo(g,h,i)perylene	J,Qs	1	**0.878**	<2.66	<0.448	mg/Kg	10	0.448	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol	J		1.37	mg/Kg	10	2.67	51	10 - 88
Phenol-d5	J		1.63	mg/Kg	10	2.67	61	10 - 100
Nitrobenzene-d5	J		2.26	mg/Kg	10	2.67	85	10 - 89.7
2-Fluorobiphenyl	J		1.83	mg/Kg	10	2.67	68	13 - 93
2,4,6-Tribromophenol			2.58	mg/Kg	10	2.67	97	10 - 99.4
Terphenyl-d14	J		1.96	mg/Kg	10	2.67	73	38.9 - 94.4

Sample: 275013 - SS-01

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84179	Date Analyzed:	2011-08-23	Analyzed By:	TP
Prep Batch:	71476	Sample Preparation:	2011-08-23	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0393	<0.532	<0.0393	mg/Kg	1	0.0393	0.5	0.0369
Total Arsenic		1	**3.43**	**3.43**	<0.292	mg/Kg	1	0.292	2	0.274
Total Barium		1	**388**	**388**	<0.243	mg/Kg	1	0.243	1	0.228
Total Cadmium		1	**9.76**	**9.76**	<0.0594	mg/Kg	1	0.0594	0.5	0.0558
Total Chromium		1	**124**	**124**	<0.143	mg/Kg	1	0.143	0.5	0.134
Total Mercury		1	**0.351**	**0.351**	<0.00211	mg/Kg	1	0.00211	0.025	0.00198
Total Lead		1	**3220**	**3220**	<2.09	mg/Kg	10	2.09	1	0.196
Total Selenium	U	1	<0.226	<2.13	<0.226	mg/Kg	1	0.226	2	0.212

Sample: 275013 - SS-01

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<13.7	<53.2	<13.7	mg/Kg	1	13.7	50	12.9
>C12-C28		1	**4640**	**4640**	<11.9	mg/Kg	1	11.9	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			98.8	mg/Kg	1	100	99	55.1 - 140
n-Tricosane	Qsr		899	mg/Kg	1	100	899	65.2 - 142
n-Triacontane	Qsr		1160	mg/Kg	1	100	1160	68.8 - 145

Sample: 275013 - SS-01

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<6.73	<21.3	<6.73	µg/Kg	1	6.73	20	6.32
Dichlorodifluoromethane	Qr,U	1	<15.8	<21.3	<15.8	µg/Kg	1	15.8	20	14.8
Chloromethane (methyl chloride)	U	1	<5.01	<21.3	<5.01	µg/Kg	1	5.01	20	4.71
Vinyl Chloride	U	1	<14.3	<21.3	<14.3	µg/Kg	1	14.3	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<6.76	<106	<6.76	µg/Kg	1	6.76	100	6.35
Chloroethane	Qr,U	1	<10.0	<21.3	<10.0	µg/Kg	1	10.0	20	9.44
Trichlorofluoromethane	Qr,U	1	<15.4	<21.3	<15.4	µg/Kg	1	15.4	20	14.5
Acetone	Qc,U	1	<18.9	<213	<18.9	µg/Kg	1	18.9	200	17.8
Iodomethane (methyl iodide)	U	1	<5.76	<106	<5.76	µg/Kg	1	5.76	100	5.41
Carbon Disulfide	U	1	<5.69	<21.3	<5.69	µg/Kg	1	5.69	20	5.35
Acrylonitrile	Qc,U	1	<4.41	<21.3	<4.41	µg/Kg	1	4.41	20	4.14
2-Butanone (MEK)	Qc,U	1	<10.5	<106	<10.5	µg/Kg	1	10.5	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<8.73	<106	<8.73	µg/Kg	1	8.73	100	8.2
2-Hexanone	Qc,U	1	<9.32	<106	<9.32	µg/Kg	1	9.32	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.25	<213	<5.25	µg/Kg	1	5.25	200	4.93
1,1-Dichloroethene	U	1	<6.16	<21.3	<6.16	µg/Kg	1	6.16	20	5.79
Methylene chloride	JB	1	**22.8**	<106	14.7	µg/Kg	1	7.38	100	6.93
MTBE	U	1	<4.36	<21.3	<4.36	µg/Kg	1	4.36	20	4.1
trans-1,2-Dichloroethene	U	1	<6.70	<21.3	<6.70	µg/Kg	1	6.70	20	6.29
1,1-Dichloroethane	U	1	<5.93	<21.3	<5.93	µg/Kg	1	5.93	20	5.57
cis-1,2-Dichloroethene	U	1	<5.60	<21.3	<5.60	µg/Kg	1	5.60	20	5.26
2,2-Dichloropropane	Qc,U	1	<5.99	<21.3	<5.99	µg/Kg	1	5.99	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.48	<21.3	<5.48	µg/Kg	1	5.48	20	5.15
Chloroform	U	1	<4.43	<21.3	<4.43	µg/Kg	1	4.43	20	4.16
1,1,1-Trichloroethane	U	1	<6.64	<21.3	<6.64	µg/Kg	1	6.64	20	6.24
1,1-Dichloropropene	U	1	<6.29	<21.3	<6.29	µg/Kg	1	6.29	20	5.91
Benzene	U	1	<6.46	<21.3	<6.46	µg/Kg	1	6.46	20	6.07
Carbon Tetrachloride	U	1	<5.44	<21.3	<5.44	µg/Kg	1	5.44	20	5.11
1,2-Dichloropropane	U	1	<6.09	<21.3	<6.09	µg/Kg	1	6.09	20	5.72
Trichloroethene (TCE)	U	1	<6.67	<21.3	<6.67	µg/Kg	1	6.67	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.54	<21.3	<4.54	µg/Kg	1	4.54	20	4.27
Bromodichloromethane	U	1	<8.14	<21.3	<8.14	µg/Kg	1	8.14	20	7.65
2-Chloroethyl vinyl ether	Qc,U	1	<5.61	<21.3	<5.61	µg/Kg	1	5.61	20	5.27

continued . . .

sample 275013 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
cis-1,3-Dichloropropene	U	1	<5.90	<21.3	<5.90	µg/Kg	1	5.90	20	5.54
trans-1,3-Dichloropropene	U	1	<4.43	<21.3	<4.43	µg/Kg	1	4.43	20	4.16
Toluene	U	1	<7.90	<21.3	<7.90	µg/Kg	1	7.90	20	7.42
1,1,2-Trichloroethane	U	1	<6.74	<21.3	<6.74	µg/Kg	1	6.74	20	6.33
1,3-Dichloropropane	U	1	<6.55	<21.3	<6.55	µg/Kg	1	6.55	20	6.15
Dibromochloromethane	U	1	<7.06	<21.3	<7.06	µg/Kg	1	7.06	20	6.63
1,2-Dibromoethane (EDB)	U	1	<6.50	<21.3	<6.50	µg/Kg	1	6.50	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<13.5	<21.3	<13.5	µg/Kg	1	13.5	20	12.7
Chlorobenzene	U	1	<8.33	<21.3	<8.33	µg/Kg	1	8.33	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.01	<21.3	<5.01	µg/Kg	1	5.01	20	4.71
Ethylbenzene	U	1	<8.20	<21.3	<8.20	µg/Kg	1	8.20	20	7.7
m,p-Xylene	U	1	<15.6	<21.3	<15.6	µg/Kg	1	15.6	20	14.7
Bromoform	U	1	<6.01	<21.3	<6.01	µg/Kg	1	6.01	20	5.65
Styrene	U	1	<8.40	<21.3	<8.40	µg/Kg	1	8.40	20	7.89
o-Xylene	U	1	<8.43	<21.3	<8.43	µg/Kg	1	8.43	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.48	<21.3	<5.48	µg/Kg	1	5.48	20	5.15
2-Chlorotoluene	U	1	<8.71	<21.3	<8.71	µg/Kg	1	8.71	20	8.18
1,2,3-Trichloropropane	U	1	<8.21	<21.3	<8.21	µg/Kg	1	8.21	20	7.71
Isopropylbenzene	Qc,U	1	<9.72	<21.3	<9.72	µg/Kg	1	9.72	20	9.13
Bromobenzene	U	1	<7.15	<21.3	<7.15	µg/Kg	1	7.15	20	6.72
n-Propylbenzene	U	1	<8.06	<21.3	<8.06	µg/Kg	1	8.06	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.18	<21.3	<9.18	µg/Kg	1	9.18	20	8.63
tert-Butylbenzene	Qc,U	1	<8.57	<21.3	<8.57	µg/Kg	1	8.57	20	8.05
1,2,4-Trimethylbenzene	U	1	<8.33	<21.3	<8.33	µg/Kg	1	8.33	20	7.83
1,4-Dichlorobenzene (para)	U	1	<9.29	<21.3	<9.29	µg/Kg	1	9.29	20	8.73
sec-Butylbenzene	U	1	<7.74	<21.3	<7.74	µg/Kg	1	7.74	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<7.60	<21.3	<7.60	µg/Kg	1	7.60	20	7.14
p-Isopropyltoluene	U		<6.67	<21.3	<6.67	µg/Kg	1	6.67	20	6.27
4-Chlorotoluene	U	1	<9.92	<21.3	<9.92	µg/Kg	1	9.92	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<9.69	<21.3	<9.69	µg/Kg	1	9.69	20	9.1
n-Butylbenzene	U	1	<7.76	<21.3	7.99	µg/Kg	1	7.76	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.10	<106	<8.10	µg/Kg	1	8.10	100	7.61
1,2,3-Trichlorobenzene	JB,Qc	1	**10.4**	<106	23.2	µg/Kg	1	7.79	100	7.32
1,2,4-Trichlorobenzene	JB,Qc	1	**8.24**	<106	14.5	µg/Kg	1	7.09	100	6.66
Naphthalene	JB,Qc	1	**26.6**	<106	55.8	µg/Kg	1	8.15	100	7.66
Hexachlorobutadiene	JB	1	**19.7**	<106	41.2	µg/Kg	1	13.1	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			926	µg/Kg	1	1000	93	70 - 130
Toluene-d8			971	µg/Kg	1	1000	97	70 - 130
4-Bromofluorobenzene (4-BFB)			900	µg/Kg	1	1000	90	70 - 130

Sample: 275014 - SS-02

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84115	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71422	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	12.7	%	1	

Sample: 275014 - SS-02

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84229	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.0198	<0.0286	<0.0198	mg/Kg	15	0.0198	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.0206	<0.0286	<0.0206	mg/Kg	15	0.0206	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.0220	<0.0286	<0.0220	mg/Kg	15	0.0220	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.0247	<0.0286	<0.0247	mg/Kg	15	0.0247	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.0258	<0.0286	<0.0258	mg/Kg	15	0.0258	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.0198	<0.0286	<0.0198	mg/Kg	15	0.0198	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.0227	<0.0286	<0.0227	mg/Kg	15	0.0227	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.0208	<0.0286	<0.0208	mg/Kg	15	0.0208	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.0240	<0.0286	<0.0240	mg/Kg	15	0.0240	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.199	mg/Kg	15	0.250	80	58.7 - 121

Sample: 275014 - SS-02

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0412	<0.286	<0.0412	mg/Kg	1	0.0412	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0759	<0.286	<0.0759	mg/Kg	1	0.0759	0.25	0.0663
2-Picoline	U	1	<0.0646	<0.286	<0.0646	mg/Kg	1	0.0646	0.25	0.0564

continued . . .

sample 275014 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0592	<0.286	<0.0592	mg/Kg	1	0.0592	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0646	<0.286	<0.0646	mg/Kg	1	0.0646	0.25	0.0564
Phenol	Qc,U	1	<0.0504	<0.286	<0.0504	mg/Kg	1	0.0504	0.25	0.044
Aniline	U	1	<0.0597	<0.286	<0.0597	mg/Kg	1	0.0597	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0551	<0.286	<0.0551	mg/Kg	1	0.0551	0.25	0.0481
2-Chlorophenol	U	1	<0.0513	<0.286	<0.0513	mg/Kg	1	0.0513	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0393	<0.286	<0.0393	mg/Kg	1	0.0393	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0329	<0.286	<0.0329	mg/Kg	1	0.0329	0.25	0.0287
Benzyl alcohol	U	1	<0.0291	<0.286	<0.0291	mg/Kg	1	0.0291	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0668	<0.286	<0.0668	mg/Kg	1	0.0668	0.25	0.0583
2-Methylphenol	U	1	<0.0412	<0.286	<0.0412	mg/Kg	1	0.0412	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0617	<0.286	<0.0617	mg/Kg	1	0.0617	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0671	<0.286	<0.0671	mg/Kg	1	0.0671	0.25	0.0586
Acetophenone	U	1	<0.0388	<0.286	<0.0388	mg/Kg	1	0.0388	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0606	<0.286	<0.0606	mg/Kg	1	0.0606	0.25	0.0529
Hexachloroethane	U	1	<0.0602	<0.286	<0.0602	mg/Kg	1	0.0602	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0474	<0.286	<0.0474	mg/Kg	1	0.0474	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0551	<0.286	<0.0551	mg/Kg	1	0.0551	0.25	0.0481
Isophorone	U	1	<0.0618	<0.286	<0.0618	mg/Kg	1	0.0618	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0540	<0.286	<0.0540	mg/Kg	1	0.0540	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0456	<0.286	<0.0456	mg/Kg	1	0.0456	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0589	<0.286	<0.0589	mg/Kg	1	0.0589	0.25	0.0514
Benzoic acid	Qc	1	**0.861**	**0.861**	<0.0456	mg/Kg	1	0.0456	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0355	<0.286	<0.0355	mg/Kg	1	0.0355	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0387	<0.286	<0.0387	mg/Kg	1	0.0387	0.25	0.0338
Naphthalene	Qs,U	1	<0.0622	<0.286	<0.0622	mg/Kg	1	0.0622	0.25	0.0543
4-Chloroaniline	U	1	<0.0470	<0.286	<0.0470	mg/Kg	1	0.0470	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0402	<0.286	<0.0402	mg/Kg	1	0.0402	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0444	<0.286	<0.0444	mg/Kg	1	0.0444	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0629	<0.286	<0.0629	mg/Kg	1	0.0629	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0305	<0.286	<0.0305	mg/Kg	1	0.0305	0.25	0.0266
1-Methylnaphthalene	U		<0.0602	<0.286	<0.0602	mg/Kg	1	0.0602	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0552	<0.286	<0.0552	mg/Kg	1	0.0552	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0443	<0.286	<0.0443	mg/Kg	1	0.0443	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.112	<0.286	<0.112	mg/Kg	1	0.112	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0508	<0.286	<0.0508	mg/Kg	1	0.0508	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0646	<0.286	<0.0646	mg/Kg	1	0.0646	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0540	<0.286	<0.0540	mg/Kg	1	0.0540	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0675	<0.286	<0.0675	mg/Kg	1	0.0675	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0470	<0.286	<0.0470	mg/Kg	1	0.0470	0.25	0.041
Dimethylphthalate	U	1	<0.0710	<0.286	<0.0710	mg/Kg	1	0.0710	0.25	0.062
Acenaphthylene	U	1	<0.0636	<0.286	<0.0636	mg/Kg	1	0.0636	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0637	<0.286	<0.0637	mg/Kg	1	0.0637	0.25	0.0556
3-Nitroaniline	J,Qc,Qs	1	**0.117**	<0.286	<0.0533	mg/Kg	1	0.0533	0.25	0.0465
Acenaphthene	Qs,U	1	<0.0639	<0.286	<0.0639	mg/Kg	1	0.0639	0.25	0.0558

continued . . .

sample 275014 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.0956	<0.286	<0.0956	mg/Kg	1	0.0956	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0507	<0.286	<0.0507	mg/Kg	1	0.0507	0.25	0.0443
Pentachlorobenzene	U	1	<0.0550	<0.286	<0.0550	mg/Kg	1	0.0550	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0253	<0.286	<0.0253	mg/Kg	1	0.0253	0.25	0.0221
1-Naphthylamine	U	1	<0.0393	<0.286	<0.0393	mg/Kg	1	0.0393	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0723	<0.286	<0.0723	mg/Kg	1	0.0723	0.25	0.0631
2-Naphthylamine	U	1	<0.0577	<0.286	<0.0577	mg/Kg	1	0.0577	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0242	<0.286	<0.0242	mg/Kg	1	0.0242	0.25	0.0211
Fluorene	Qs,U	1	<0.0714	<0.286	<0.0714	mg/Kg	1	0.0714	0.25	0.0623
Diethylphthalate	U	1	<0.0622	<0.286	<0.0622	mg/Kg	1	0.0622	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0538	<0.286	<0.0538	mg/Kg	1	0.0538	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.119	<0.286	<0.119	mg/Kg	1	0.119	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.100	<0.286	<0.100	mg/Kg	1	0.100	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0646	<0.286	<0.0646	mg/Kg	1	0.0646	0.25	0.0564
Diphenylhydrazine	U		<0.0738	<0.286	<0.0738	mg/Kg	1	0.0738	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0586	<0.286	<0.0586	mg/Kg	1	0.0586	0.25	0.0512
Phenacetin	U	1	<0.0598	<0.286	<0.0598	mg/Kg	1	0.0598	0.25	0.0522
Hexachlorobenzene	U	1	<0.0511	<0.286	<0.0511	mg/Kg	1	0.0511	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0403	<0.286	<0.0403	mg/Kg	1	0.0403	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0664	<0.286	<0.0664	mg/Kg	1	0.0664	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0396	<0.286	<0.0396	mg/Kg	1	0.0396	0.25	0.0346
Pronamide	Qc,U	1	<0.0664	<0.286	<0.0664	mg/Kg	1	0.0664	0.25	0.058
Phenanthrene	Qs,U	1	<0.0614	<0.286	<0.0614	mg/Kg	1	0.0614	0.25	0.0536
Anthracene	Qs,U	1	<0.0414	<0.286	<0.0414	mg/Kg	1	0.0414	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0606	<0.286	<0.0606	mg/Kg	1	0.0606	0.25	0.0529
Fluoranthene	J,Qc,Qs	1	**0.0530**	<0.286	<0.0391	mg/Kg	1	0.0391	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0786	<0.286	<0.0786	mg/Kg	1	0.0786	0.25	0.0686
Pyrene	J,Qs	1	**0.0564**	<0.286	<0.0447	mg/Kg	1	0.0447	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0601	<0.286	<0.0601	mg/Kg	1	0.0601	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0787	<0.286	<0.0787	mg/Kg	1	0.0787	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.0426	<0.286	<0.0426	mg/Kg	1	0.0426	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0561	<0.286	<0.0561	mg/Kg	1	0.0561	0.25	0.049
Chrysene	J,Qs	1	**0.0623**	<0.286	<0.0570	mg/Kg	1	0.0570	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0808	<0.286	<0.0808	mg/Kg	1	0.0808	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0779	<0.286	<0.0779	mg/Kg	1	0.0779	0.25	0.068
Benzo(b)fluoranthene	J,Qs	1	**0.0548**	<0.286	<0.0438	mg/Kg	1	0.0438	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0337	<0.286	<0.0337	mg/Kg	1	0.0337	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.0537	<0.286	<0.0537	mg/Kg	1	0.0537	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.0510	<0.286	<0.0510	mg/Kg	1	0.0510	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0369	<0.286	<0.0369	mg/Kg	1	0.0369	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0740	<0.286	<0.0740	mg/Kg	1	0.0740	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.0492	<0.286	<0.0492	mg/Kg	1	0.0492	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0541	<0.286	<0.0541	mg/Kg	1	0.0541	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.0482	<0.286	<0.0482	mg/Kg	1	0.0482	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.992	mg/Kg	1	2.67	37	10 - 88
Phenol-d5			1.21	mg/Kg	1	2.67	45	10 - 100
Nitrobenzene-d5			1.51	mg/Kg	1	2.67	56	10 - 89.7
2-Fluorobiphenyl			1.35	mg/Kg	1	2.67	50	13 - 93
2,4,6-Tribromophenol			2.15	mg/Kg	1	2.67	80	10 - 99.4
Terphenyl-d14			1.59	mg/Kg	1	2.67	60	38.9 - 94.4

Sample: 275014 - SS-02

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84179	Date Analyzed:	2011-08-23	Analyzed By:	TP
Prep Batch:	71476	Sample Preparation:	2011-08-23	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0423	<0.573	<0.0423	mg/Kg	1	0.0423	0.5	0.0369
Total Arsenic	J	1	**1.12**	<2.29	<0.314	mg/Kg	1	0.314	2	0.274
Total Barium		1	**126**	**126**	<0.261	mg/Kg	1	0.261	1	0.228
Total Cadmium	U	1	<0.0639	<0.573	<0.0639	mg/Kg	1	0.0639	0.5	0.0558
Total Chromium		1	**10.3**	**10.3**	<0.153	mg/Kg	1	0.153	0.5	0.134
Total Mercury	J	1	**0.0171**	<0.0286	<0.00227	mg/Kg	1	0.00227	0.025	0.00198
Total Lead		1	**47.0**	**47.0**	<0.224	mg/Kg	1	0.224	1	0.196
Total Selenium	U	1	<0.243	<2.29	<0.243	mg/Kg	1	0.243	2	0.212

Sample: 275014 - SS-02

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.8	<57.3	<14.8	mg/Kg	1	14.8	50	12.9
>C12-C28	J	1	**15.6**	<57.3	<12.8	mg/Kg	1	12.8	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			102	mg/Kg	1	100	102	55.1 - 140
n-Tricosane			95.6	mg/Kg	1	100	96	65.2 - 142
n-Triacontane			106	mg/Kg	1	100	106	68.8 - 145

Sample: 275014 - SS-02

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.24	<22.9	<7.24	µg/Kg	1	7.24	20	6.32
Dichlorodifluoromethane	Qr,U	1	<17.0	<22.9	<17.0	µg/Kg	1	17.0	20	14.8
Chloromethane (methyl chloride)	U	1	<5.40	<22.9	<5.40	µg/Kg	1	5.40	20	4.71
Vinyl Chloride	U	1	<15.3	<22.9	<15.3	µg/Kg	1	15.3	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.27	<114	<7.27	µg/Kg	1	7.27	100	6.35
Chloroethane	Qr,U	1	<10.8	<22.9	<10.8	µg/Kg	1	10.8	20	9.44
Trichlorofluoromethane	Qr,U	1	<16.6	<22.9	<16.6	µg/Kg	1	16.6	20	14.5
Acetone	Qc,U	1	<20.4	<229	<20.4	µg/Kg	1	20.4	200	17.8
Iodomethane (methyl iodide)	U	1	<6.20	<114	<6.20	µg/Kg	1	6.20	100	5.41
Carbon Disulfide	U	1	<6.13	<22.9	<6.13	µg/Kg	1	6.13	20	5.35
Acrylonitrile	Qc,U	1	<4.74	<22.9	<4.74	µg/Kg	1	4.74	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.3	<114	<11.3	µg/Kg	1	11.3	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.39	<114	<9.39	µg/Kg	1	9.39	100	8.2
2-Hexanone	Qc,U	1	<10.0	<114	<10.0	µg/Kg	1	10.0	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.65	<229	<5.65	µg/Kg	1	5.65	200	4.93
1,1-Dichloroethene	U	1	<6.63	<22.9	<6.63	µg/Kg	1	6.63	20	5.79
Methylene chloride	JB	1	**28.4**	<114	15.8	µg/Kg	1	7.94	100	6.93
MTBE	U	1	<4.70	<22.9	<4.70	µg/Kg	1	4.70	20	4.1
trans-1,2-Dichloroethene	U	1	<7.20	<22.9	<7.20	µg/Kg	1	7.20	20	6.29
1,1-Dichloroethane	U	1	<6.38	<22.9	<6.38	µg/Kg	1	6.38	20	5.57
cis-1,2-Dichloroethene	U	1	<6.02	<22.9	<6.02	µg/Kg	1	6.02	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.45	<22.9	<6.45	µg/Kg	1	6.45	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.90	<22.9	<5.90	µg/Kg	1	5.90	20	5.15
Chloroform	U	1	<4.76	<22.9	<4.76	µg/Kg	1	4.76	20	4.16
1,1,1-Trichloroethane	U	1	<7.15	<22.9	<7.15	µg/Kg	1	7.15	20	6.24
1,1-Dichloropropene	U	1	<6.77	<22.9	<6.77	µg/Kg	1	6.77	20	5.91
Benzene	U	1	<6.95	<22.9	<6.95	µg/Kg	1	6.95	20	6.07
Carbon Tetrachloride	U	1	<5.85	<22.9	<5.85	µg/Kg	1	5.85	20	5.11
1,2-Dichloropropane	U	1	<6.55	<22.9	<6.55	µg/Kg	1	6.55	20	5.72
Trichloroethene (TCE)	U	1	<7.18	<22.9	<7.18	µg/Kg	1	7.18	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.89	<22.9	<4.89	µg/Kg	1	4.89	20	4.27
Bromodichloromethane	U	1	<8.76	<22.9	<8.76	µg/Kg	1	8.76	20	7.65
2-Chloroethyl vinyl ether	Qc,U	1	<6.04	<22.9	<6.04	µg/Kg	1	6.04	20	5.27

continued . . .

sample 275014 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
cis-1,3-Dichloropropene	U	1	<6.34	<22.9	<6.34	µg/Kg	1	6.34	20	5.54
trans-1,3-Dichloropropene	U	1	<4.76	<22.9	<4.76	µg/Kg	1	4.76	20	4.16
Toluene	U	1	<8.50	<22.9	<8.50	µg/Kg	1	8.50	20	7.42
1,1,2-Trichloroethane	U	1	<7.25	<22.9	<7.25	µg/Kg	1	7.25	20	6.33
1,3-Dichloropropane	U	1	<7.04	<22.9	<7.04	µg/Kg	1	7.04	20	6.15
Dibromochloromethane	U	1	<7.59	<22.9	<7.59	µg/Kg	1	7.59	20	6.63
1,2-Dibromoethane (EDB)	U	1	<7.00	<22.9	<7.00	µg/Kg	1	7.00	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.5	<22.9	<14.5	µg/Kg	1	14.5	20	12.7
Chlorobenzene	U	1	<8.97	<22.9	<8.97	µg/Kg	1	8.97	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.40	<22.9	<5.40	µg/Kg	1	5.40	20	4.71
Ethylbenzene	U	1	<8.82	<22.9	<8.82	µg/Kg	1	8.82	20	7.7
m,p-Xylene	U	1	<16.8	<22.9	<16.8	µg/Kg	1	16.8	20	14.7
Bromoform	U	1	<6.47	<22.9	<6.47	µg/Kg	1	6.47	20	5.65
Styrene	U	1	<9.04	<22.9	<9.04	µg/Kg	1	9.04	20	7.89
o-Xylene	U	1	<9.07	<22.9	<9.07	µg/Kg	1	9.07	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.90	<22.9	<5.90	µg/Kg	1	5.90	20	5.15
2-Chlorotoluene	U	1	<9.37	<22.9	<9.37	µg/Kg	1	9.37	20	8.18
1,2,3-Trichloropropane	U	1	<8.83	<22.9	<8.83	µg/Kg	1	8.83	20	7.71
Isopropylbenzene	Qc,U	1	<10.4	<22.9	<10.4	µg/Kg	1	10.4	20	9.13
Bromobenzene	U	1	<7.70	<22.9	<7.70	µg/Kg	1	7.70	20	6.72
n-Propylbenzene	U	1	<8.67	<22.9	<8.67	µg/Kg	1	8.67	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.88	<22.9	<9.88	µg/Kg	1	9.88	20	8.63
tert-Butylbenzene	Qc,U	1	<9.22	<22.9	<9.22	µg/Kg	1	9.22	20	8.05
1,2,4-Trimethylbenzene	U	1	<8.97	<22.9	<8.97	µg/Kg	1	8.97	20	7.83
1,4-Dichlorobenzene (para)	U	1	<10.0	<22.9	<10.0	µg/Kg	1	10.0	20	8.73
sec-Butylbenzene	U	1	<8.33	<22.9	<8.33	µg/Kg	1	8.33	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.18	<22.9	<8.18	µg/Kg	1	8.18	20	7.14
p-Isopropyltoluene	U		<7.18	<22.9	<7.18	µg/Kg	1	7.18	20	6.27
4-Chlorotoluene	U	1	<10.7	<22.9	<10.7	µg/Kg	1	10.7	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.4	<22.9	<10.4	µg/Kg	1	10.4	20	9.1
n-Butylbenzene	U	1	<8.35	<22.9	8.60	µg/Kg	1	8.35	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.72	<114	<8.72	µg/Kg	1	8.72	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.38	<114	25.0	µg/Kg	1	8.38	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.63	<114	15.6	µg/Kg	1	7.63	100	6.66
Naphthalene	JB,Qc	1	**17.4**	<114	60.0	µg/Kg	1	8.77	100	7.66
Hexachlorobutadiene	U	1	<14.1	<114	44.3	µg/Kg	1	14.1	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			924	µg/Kg	1	1000	92	70 - 130
Toluene-d8			980	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			902	µg/Kg	1	1000	90	70 - 130

Sample: 275015 - SS-03

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84116	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71423	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	17.2	%	1	

Sample: 275015 - SS-03

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84229	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB		1	**0.0383**	**0.0383**	<0.00694	mg/Kg	5	0.00694	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00725	<0.0101	<0.00725	mg/Kg	5	0.00725	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00773	<0.0101	<0.00773	mg/Kg	5	0.00773	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00870	<0.0101	<0.00870	mg/Kg	5	0.00870	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00906	<0.0101	<0.00906	mg/Kg	5	0.00906	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00694	<0.0101	<0.00694	mg/Kg	5	0.00694	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00797	<0.0101	<0.00797	mg/Kg	5	0.00797	0.00167	0.00132
Aroclor 1260 (PCB-1260)		1	**0.0383**	**0.0383**	<0.00731	mg/Kg	5	0.00731	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00845	<0.0101	<0.00845	mg/Kg	5	0.00845	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0598	mg/Kg	5	0.0833	72	58.7 - 121

Sample: 275015 - SS-03

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.435	<3.02	<0.435	mg/Kg	10	0.435	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.801	<3.02	<0.801	mg/Kg	10	0.801	0.25	0.0663
2-Picoline	U	1	<0.681	<3.02	<0.681	mg/Kg	10	0.681	0.25	0.0564

continued . . .

sample 275015 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.624	<3.02	<0.624	mg/Kg	10	0.624	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.681	<3.02	<0.681	mg/Kg	10	0.681	0.25	0.0564
Phenol	Qc,U	1	<0.531	<3.02	<0.531	mg/Kg	10	0.531	0.25	0.044
Aniline	U	1	<0.629	<3.02	<0.629	mg/Kg	10	0.629	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.581	<3.02	<0.581	mg/Kg	10	0.581	0.25	0.0481
2-Chlorophenol	U	1	<0.541	<3.02	<0.541	mg/Kg	10	0.541	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.414	<3.02	<0.414	mg/Kg	10	0.414	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.347	<3.02	<0.347	mg/Kg	10	0.347	0.25	0.0287
Benzyl alcohol	U	1	<0.307	<3.02	<0.307	mg/Kg	10	0.307	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.704	<3.02	<0.704	mg/Kg	10	0.704	0.25	0.0583
2-Methylphenol	U	1	<0.435	<3.02	<0.435	mg/Kg	10	0.435	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.651	<3.02	<0.651	mg/Kg	10	0.651	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.708	<3.02	<0.708	mg/Kg	10	0.708	0.25	0.0586
Acetophenone	U	1	<0.409	<3.02	<0.409	mg/Kg	10	0.409	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.639	<3.02	<0.639	mg/Kg	10	0.639	0.25	0.0529
Hexachloroethane	U	1	<0.635	<3.02	<0.635	mg/Kg	10	0.635	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.500	<3.02	<0.500	mg/Kg	10	0.500	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.581	<3.02	<0.581	mg/Kg	10	0.581	0.25	0.0481
Isophorone	U	1	<0.652	<3.02	<0.652	mg/Kg	10	0.652	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.569	<3.02	<0.569	mg/Kg	10	0.569	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.481	<3.02	<0.481	mg/Kg	10	0.481	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.621	<3.02	<0.621	mg/Kg	10	0.621	0.25	0.0514
Benzoic acid	Qc,U	1	<0.481	<3.02	<0.481	mg/Kg	10	0.481	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.374	<3.02	<0.374	mg/Kg	10	0.374	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.408	<3.02	<0.408	mg/Kg	10	0.408	0.25	0.0338
Naphthalene	Qs,U	1	<0.656	<3.02	<0.656	mg/Kg	10	0.656	0.25	0.0543
4-Chloroaniline	U	1	<0.495	<3.02	<0.495	mg/Kg	10	0.495	0.25	0.041
2,6-Dichlorophenol	U	1	<0.424	<3.02	<0.424	mg/Kg	10	0.424	0.25	0.0351
Hexachlorobutadiene	U	1	<0.468	<3.02	<0.468	mg/Kg	10	0.468	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.663	<3.02	<0.663	mg/Kg	10	0.663	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.321	<3.02	<0.321	mg/Kg	10	0.321	0.25	0.0266
1-Methylnaphthalene	U		<0.635	<3.02	<0.635	mg/Kg	10	0.635	0.25	0.0526
2-Methylnaphthalene	U	1	<0.582	<3.02	<0.582	mg/Kg	10	0.582	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.467	<3.02	<0.467	mg/Kg	10	0.467	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<1.18	<3.02	<1.18	mg/Kg	10	1.18	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.536	<3.02	<0.536	mg/Kg	10	0.536	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.681	<3.02	<0.681	mg/Kg	10	0.681	0.25	0.0564
2-Chloronaphthalene	U	1	<0.569	<3.02	<0.569	mg/Kg	10	0.569	0.25	0.0471
1-Chloronaphthalene	U	1	<0.711	<3.02	<0.711	mg/Kg	10	0.711	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.495	<3.02	<0.495	mg/Kg	10	0.495	0.25	0.041
Dimethylphthalate	U	1	<0.749	<3.02	<0.749	mg/Kg	10	0.749	0.25	0.062
Acenaphthylene	U	1	<0.670	<3.02	<0.670	mg/Kg	10	0.670	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.671	<3.02	<0.671	mg/Kg	10	0.671	0.25	0.0556
3-Nitroaniline	J,Qc,Qs	1	**1.23**	<3.02	<0.562	mg/Kg	10	0.562	0.25	0.0465
Acenaphthene	Qs,U	1	<0.674	<3.02	<0.674	mg/Kg	10	0.674	0.25	0.0558

continued ...

sample 275015 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<1.01	<3.02	<1.01	mg/Kg	10	1.01	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.535	<3.02	<0.535	mg/Kg	10	0.535	0.25	0.0443
Pentachlorobenzene	U	1	<0.580	<3.02	<0.580	mg/Kg	10	0.580	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.267	<3.02	<0.267	mg/Kg	10	0.267	0.25	0.0221
1-Naphthylamine	U	1	<0.414	<3.02	<0.414	mg/Kg	10	0.414	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.762	<3.02	<0.762	mg/Kg	10	0.762	0.25	0.0631
2-Naphthylamine	U	1	<0.609	<3.02	<0.609	mg/Kg	10	0.609	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.255	<3.02	<0.255	mg/Kg	10	0.255	0.25	0.0211
Fluorene	Qs,U	1	<0.752	<3.02	<0.752	mg/Kg	10	0.752	0.25	0.0623
Diethylphthalate	U	1	<0.656	<3.02	<0.656	mg/Kg	10	0.656	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.568	<3.02	<0.568	mg/Kg	10	0.568	0.25	0.047
4-Nitroaniline	Qs,U	1	<1.26	<3.02	<1.26	mg/Kg	10	1.26	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<1.06	<3.02	<1.06	mg/Kg	10	1.06	0.25	0.0875
Diphenylamine	Qs,U	1	<0.681	<3.02	<0.681	mg/Kg	10	0.681	0.25	0.0564
Diphenylhydrazine	U		<0.778	<3.02	<0.778	mg/Kg	10	0.778	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.618	<3.02	<0.618	mg/Kg	10	0.618	0.25	0.0512
Phenacetin	U	1	<0.630	<3.02	<0.630	mg/Kg	10	0.630	0.25	0.0522
Hexachlorobenzene	U	1	<0.539	<3.02	<0.539	mg/Kg	10	0.539	0.25	0.0446
4-Aminobiphenyl	U	1	<0.425	<3.02	<0.425	mg/Kg	10	0.425	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.700	<3.02	<0.700	mg/Kg	10	0.700	0.25	0.058
Pentachloronitrobenzene	U	1	<0.418	<3.02	<0.418	mg/Kg	10	0.418	0.25	0.0346
Pronamide	Qc,U	1	<0.700	<3.02	<0.700	mg/Kg	10	0.700	0.25	0.058
Phenanthrene	Qs,U	1	<0.647	<3.02	<0.647	mg/Kg	10	0.647	0.25	0.0536
Anthracene	Qs,U	1	<0.436	<3.02	<0.436	mg/Kg	10	0.436	0.25	0.0361
Di-n-butylphthalate	U	1	<0.639	<3.02	<0.639	mg/Kg	10	0.639	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.412	<3.02	<0.412	mg/Kg	10	0.412	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.828	<3.02	<0.828	mg/Kg	10	0.828	0.25	0.0686
Pyrene	Qs,U	1	<0.471	<3.02	<0.471	mg/Kg	10	0.471	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.634	<3.02	<0.634	mg/Kg	10	0.634	0.25	0.0525
Butylbenzylphthalate	U	1	<0.830	<3.02	<0.830	mg/Kg	10	0.830	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.449	<3.02	<0.449	mg/Kg	10	0.449	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.592	<3.02	<0.592	mg/Kg	10	0.592	0.25	0.049
Chrysene	Qs,U	1	<0.601	<3.02	<0.601	mg/Kg	10	0.601	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.851	<3.02	<0.851	mg/Kg	10	0.851	0.25	0.0705
Di-n-octylphthalate	U	1	<0.821	<3.02	<0.821	mg/Kg	10	0.821	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.461	<3.02	<0.461	mg/Kg	10	0.461	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.355	<3.02	<0.355	mg/Kg	10	0.355	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.566	<3.02	<0.566	mg/Kg	10	0.566	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.537	<3.02	<0.537	mg/Kg	10	0.537	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.389	<3.02	<0.389	mg/Kg	10	0.389	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.780	<3.02	<0.780	mg/Kg	10	0.780	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.519	<3.02	<0.519	mg/Kg	10	0.519	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.570	<3.02	<0.570	mg/Kg	10	0.570	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.508	<3.02	<0.508	mg/Kg	10	0.508	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol	J		1.11	mg/Kg	10	2.67	42	10 - 88
Phenol-d5	J		1.78	mg/Kg	10	2.67	67	10 - 100
Nitrobenzene-d5	J		2.14	mg/Kg	10	2.67	80	10 - 89.7
2-Fluorobiphenyl	J		1.91	mg/Kg	10	2.67	72	13 - 93
2,4,6-Tribromophenol			2.59	mg/Kg	10	2.67	97	10 - 99.4
Terphenyl-d14	J		2.29	mg/Kg	10	2.67	86	38.9 - 94.4

Sample: 275015 - SS-03

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84179	Date Analyzed:	2011-08-23	Analyzed By:	TP
Prep Batch:	71476	Sample Preparation:	2011-08-23	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0446	<0.604	<0.0446	mg/Kg	1	0.0446	0.5	0.0369
Total Arsenic	U	1	<0.331	<2.42	<0.331	mg/Kg	1	0.331	2	0.274
Total Barium		1	**296**	**296**	<0.275	mg/Kg	1	0.275	1	0.228
Total Cadmium		1	**0.654**	**0.654**	<0.0674	mg/Kg	1	0.0674	0.5	0.0558
Total Chromium		1	**104**	**104**	<0.162	mg/Kg	1	0.162	0.5	0.134
Total Mercury		1	**0.0449**	**0.0449**	<0.00239	mg/Kg	1	0.00239	0.025	0.00198
Total Lead		1	**489**	**489**	<2.37	mg/Kg	10	2.37	1	0.196
Total Selenium	U	1	<0.256	<2.42	<0.256	mg/Kg	1	0.256	2	0.212

Sample: 275015 - SS-03

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<15.6	<60.4	<15.6	mg/Kg	1	15.6	50	12.9
>C12-C28	J	1	**26.0**	<60.4	<13.5	mg/Kg	1	13.5	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			105	mg/Kg	1	100	105	55.1 - 140
n-Tricosane			97.8	mg/Kg	1	100	98	65.2 - 142
n-Triacontane			115	mg/Kg	1	100	115	68.8 - 145

Sample: 275015 - SS-03

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.63	<24.2	<7.63	µg/Kg	1	7.63	20	6.32
Dichlorodifluoromethane	Qr,U	1	<17.9	<24.2	<17.9	µg/Kg	1	17.9	20	14.8
Chloromethane (methyl chloride)	U	1	<5.69	<24.2	<5.69	µg/Kg	1	5.69	20	4.71
Vinyl Chloride	U	1	<16.2	<24.2	<16.2	µg/Kg	1	16.2	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.67	<121	<7.67	µg/Kg	1	7.67	100	6.35
Chloroethane	Qr,U	1	<11.4	<24.2	<11.4	µg/Kg	1	11.4	20	9.44
Trichlorofluoromethane	Qr,U	1	<17.5	<24.2	<17.5	µg/Kg	1	17.5	20	14.5
Acetone	Qc,U	1	<21.5	<242	<21.5	µg/Kg	1	21.5	200	17.8
Iodomethane (methyl iodide)	U	1	<6.53	<121	<6.53	µg/Kg	1	6.53	100	5.41
Carbon Disulfide	U	1	<6.46	<24.2	<6.46	µg/Kg	1	6.46	20	5.35
Acrylonitrile	Qc,U	1	<5.00	<24.2	<5.00	µg/Kg	1	5.00	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.9	<121	<11.9	µg/Kg	1	11.9	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.90	<121	<9.90	µg/Kg	1	9.90	100	8.2
2-Hexanone	Qc,U	1	<10.6	<121	<10.6	µg/Kg	1	10.6	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.95	<242	<5.95	µg/Kg	1	5.95	200	4.93
1,1-Dichloroethene	U	1	<6.99	<24.2	<6.99	µg/Kg	1	6.99	20	5.79
Methylene chloride	JB	1	**21.0**	<121	16.7	µg/Kg	1	8.37	100	6.93
MTBE	U	1	<4.95	<24.2	<4.95	µg/Kg	1	4.95	20	4.1
trans-1,2-Dichloroethene	U	1	<7.60	<24.2	<7.60	µg/Kg	1	7.60	20	6.29
1,1-Dichloroethane	U	1	<6.73	<24.2	<6.73	µg/Kg	1	6.73	20	5.57
cis-1,2-Dichloroethene	U	1	<6.35	<24.2	<6.35	µg/Kg	1	6.35	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.80	<24.2	<6.80	µg/Kg	1	6.80	20	5.63
1,2-Dichloroethane (EDC)	U	1	<6.22	<24.2	<6.22	µg/Kg	1	6.22	20	5.15
Chloroform	U	1	<5.02	<24.2	<5.02	µg/Kg	1	5.02	20	4.16
1,1,1-Trichloroethane	U	1	<7.54	<24.2	<7.54	µg/Kg	1	7.54	20	6.24
1,1-Dichloropropene	U	1	<7.14	<24.2	<7.14	µg/Kg	1	7.14	20	5.91
Benzene	U	1	<7.33	<24.2	<7.33	µg/Kg	1	7.33	20	6.07
Carbon Tetrachloride	U	1	<6.17	<24.2	<6.17	µg/Kg	1	6.17	20	5.11
1,2-Dichloropropane	U	1	<6.91	<24.2	<6.91	µg/Kg	1	6.91	20	5.72
Trichloroethene (TCE)	U	1	<7.57	<24.2	<7.57	µg/Kg	1	7.57	20	6.27
Dibromomethane (methylene bromide)	U	1	<5.16	<24.2	<5.16	µg/Kg	1	5.16	20	4.27
Bromodichloromethane	U	1	<9.24	<24.2	<9.24	µg/Kg	1	9.24	20	7.65
2-Chloroethyl vinyl ether	Qc,U	1	<6.36	<24.2	<6.36	µg/Kg	1	6.36	20	5.27

continued . . .

sample 275015 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
cis-1,3-Dichloropropene	U	1	<6.69	<24.2	<6.69	µg/Kg	1	6.69	20	5.54
trans-1,3-Dichloropropene	U	1	<5.02	<24.2	<5.02	µg/Kg	1	5.02	20	4.16
Toluene	U	1	<8.96	<24.2	<8.96	µg/Kg	1	8.96	20	7.42
1,1,2-Trichloroethane	U	1	<7.64	<24.2	<7.64	µg/Kg	1	7.64	20	6.33
1,3-Dichloropropane	U	1	<7.43	<24.2	<7.43	µg/Kg	1	7.43	20	6.15
Dibromochloromethane	U	1	<8.01	<24.2	<8.01	µg/Kg	1	8.01	20	6.63
1,2-Dibromoethane (EDB)	U	1	<7.38	<24.2	<7.38	µg/Kg	1	7.38	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<15.3	<24.2	<15.3	µg/Kg	1	15.3	20	12.7
Chlorobenzene	U	1	<9.46	<24.2	<9.46	µg/Kg	1	9.46	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.69	<24.2	<5.69	µg/Kg	1	5.69	20	4.71
Ethylbenzene	U	1	<9.30	<24.2	<9.30	µg/Kg	1	9.30	20	7.7
m,p-Xylene	U	1	<17.8	<24.2	<17.8	µg/Kg	1	17.8	20	14.7
Bromoform	U	1	<6.82	<24.2	<6.82	µg/Kg	1	6.82	20	5.65
Styrene	U	1	<9.53	<24.2	<9.53	µg/Kg	1	9.53	20	7.89
o-Xylene	U	1	<9.56	<24.2	<9.56	µg/Kg	1	9.56	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<6.22	<24.2	<6.22	µg/Kg	1	6.22	20	5.15
2-Chlorotoluene	U	1	<9.88	<24.2	<9.88	µg/Kg	1	9.88	20	8.18
1,2,3-Trichloropropane	U	1	<9.31	<24.2	<9.31	µg/Kg	1	9.31	20	7.71
Isopropylbenzene	Qc,U	1	<11.0	<24.2	<11.0	µg/Kg	1	11.0	20	9.13
Bromobenzene	U	1	<8.12	<24.2	<8.12	µg/Kg	1	8.12	20	6.72
n-Propylbenzene	U	1	<9.14	<24.2	<9.14	µg/Kg	1	9.14	20	7.57
1,3,5-Trimethylbenzene	U	1	<10.4	<24.2	<10.4	µg/Kg	1	10.4	20	8.63
tert-Butylbenzene	Qc,U	1	<9.72	<24.2	<9.72	µg/Kg	1	9.72	20	8.05
1,2,4-Trimethylbenzene	U	1	<9.46	<24.2	<9.46	µg/Kg	1	9.46	20	7.83
1,4-Dichlorobenzene (para)	U	1	<10.5	<24.2	<10.5	µg/Kg	1	10.5	20	8.73
sec-Butylbenzene	U	1	<8.78	<24.2	<8.78	µg/Kg	1	8.78	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.62	<24.2	<8.62	µg/Kg	1	8.62	20	7.14
p-Isopropyltoluene	J		**7.87**	<24.2	<7.57	µg/Kg	1	7.57	20	6.27
4-Chlorotoluene	U	1	<11.2	<24.2	<11.2	µg/Kg	1	11.2	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<11.0	<24.2	<11.0	µg/Kg	1	11.0	20	9.1
n-Butylbenzene	U	1	<8.80	<24.2	9.07	µg/Kg	1	8.80	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<9.19	<121	<9.19	µg/Kg	1	9.19	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.84	<121	26.3	µg/Kg	1	8.84	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<8.04	<121	16.4	µg/Kg	1	8.04	100	6.66
Naphthalene	JB,Qc	1	**13.4**	<121	63.3	µg/Kg	1	9.25	100	7.66
Hexachlorobutadiene	U	1	<14.8	<121	46.7	µg/Kg	1	14.8	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			911	µg/Kg	1	1000	91	70 - 130
Toluene-d8			975	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			889	µg/Kg	1	1000	89	70 - 130

Sample: 275016 - SS-04

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84116	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71423	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	10.5	%	1	

Sample: 275016 - SS-04

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84229	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00128	<0.00186	<0.00128	mg/Kg	1	0.00128	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00134	<0.00186	<0.00134	mg/Kg	1	0.00134	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00143	<0.00186	<0.00143	mg/Kg	1	0.00143	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00161	<0.00186	<0.00161	mg/Kg	1	0.00161	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00168	<0.00186	<0.00168	mg/Kg	1	0.00168	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00128	<0.00186	<0.00128	mg/Kg	1	0.00128	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00147	<0.00186	<0.00147	mg/Kg	1	0.00147	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00135	<0.00186	<0.00135	mg/Kg	1	0.00135	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00156	<0.00186	<0.00156	mg/Kg	1	0.00156	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0130	mg/Kg	1	0.0167	78	58.7 - 121

Sample: 275016 - SS-04

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0402	<0.279	<0.0402	mg/Kg	1	0.0402	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0741	<0.279	<0.0741	mg/Kg	1	0.0741	0.25	0.0663
2-Picoline	U	1	<0.0630	<0.279	<0.0630	mg/Kg	1	0.0630	0.25	0.0564

continued . . .

sample 275016 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0578	<0.279	<0.0578	mg/Kg	1	0.0578	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0630	<0.279	<0.0630	mg/Kg	1	0.0630	0.25	0.0564
Phenol	Qc,U	1	<0.0492	<0.279	<0.0492	mg/Kg	1	0.0492	0.25	0.044
Aniline	U	1	<0.0582	<0.279	<0.0582	mg/Kg	1	0.0582	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0537	<0.279	<0.0537	mg/Kg	1	0.0537	0.25	0.0481
2-Chlorophenol	U	1	<0.0500	<0.279	<0.0500	mg/Kg	1	0.0500	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0383	<0.279	<0.0383	mg/Kg	1	0.0383	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0321	<0.279	<0.0321	mg/Kg	1	0.0321	0.25	0.0287
Benzyl alcohol	U	1	<0.0284	<0.279	<0.0284	mg/Kg	1	0.0284	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0651	<0.279	<0.0651	mg/Kg	1	0.0651	0.25	0.0583
2-Methylphenol	U	1	<0.0402	<0.279	<0.0402	mg/Kg	1	0.0402	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0602	<0.279	<0.0602	mg/Kg	1	0.0602	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0655	<0.279	<0.0655	mg/Kg	1	0.0655	0.25	0.0586
Acetophenone	U	1	<0.0379	<0.279	<0.0379	mg/Kg	1	0.0379	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0591	<0.279	<0.0591	mg/Kg	1	0.0591	0.25	0.0529
Hexachloroethane	U	1	<0.0588	<0.279	<0.0588	mg/Kg	1	0.0588	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0462	<0.279	<0.0462	mg/Kg	1	0.0462	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0537	<0.279	<0.0537	mg/Kg	1	0.0537	0.25	0.0481
Isophorone	U	1	<0.0603	<0.279	<0.0603	mg/Kg	1	0.0603	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0526	<0.279	<0.0526	mg/Kg	1	0.0526	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0445	<0.279	<0.0445	mg/Kg	1	0.0445	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0574	<0.279	<0.0574	mg/Kg	1	0.0574	0.25	0.0514
Benzoic acid	Qc,U	1	<0.0445	<0.279	<0.0445	mg/Kg	1	0.0445	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0346	<0.279	<0.0346	mg/Kg	1	0.0346	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0378	<0.279	<0.0378	mg/Kg	1	0.0378	0.25	0.0338
Naphthalene	Qs,U	1	<0.0607	<0.279	<0.0607	mg/Kg	1	0.0607	0.25	0.0543
4-Chloroaniline	U	1	<0.0458	<0.279	<0.0458	mg/Kg	1	0.0458	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0392	<0.279	<0.0392	mg/Kg	1	0.0392	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0434	<0.279	<0.0434	mg/Kg	1	0.0434	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0613	<0.279	<0.0613	mg/Kg	1	0.0613	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0297	<0.279	<0.0297	mg/Kg	1	0.0297	0.25	0.0266
1-Methylnaphthalene	U		<0.0588	<0.279	<0.0588	mg/Kg	1	0.0588	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0538	<0.279	<0.0538	mg/Kg	1	0.0538	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0432	<0.279	<0.0432	mg/Kg	1	0.0432	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.109	<0.279	<0.109	mg/Kg	1	0.109	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0496	<0.279	<0.0496	mg/Kg	1	0.0496	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0630	<0.279	<0.0630	mg/Kg	1	0.0630	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0526	<0.279	<0.0526	mg/Kg	1	0.0526	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0658	<0.279	<0.0658	mg/Kg	1	0.0658	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0458	<0.279	<0.0458	mg/Kg	1	0.0458	0.25	0.041
Dimethylphthalate	U	1	<0.0693	<0.279	<0.0693	mg/Kg	1	0.0693	0.25	0.062
Acenaphthylene	U	1	<0.0620	<0.279	<0.0620	mg/Kg	1	0.0620	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0621	<0.279	<0.0621	mg/Kg	1	0.0621	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.0520	<0.279	<0.0520	mg/Kg	1	0.0520	0.25	0.0465
Acenaphthene	Qs,U	1	<0.0623	<0.279	<0.0623	mg/Kg	1	0.0623	0.25	0.0558

continued . . .

sample 275016 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.0933	<0.279	<0.0933	mg/Kg	1	0.0933	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0495	<0.279	<0.0495	mg/Kg	1	0.0495	0.25	0.0443
Pentachlorobenzene	U	1	<0.0536	<0.279	<0.0536	mg/Kg	1	0.0536	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0247	<0.279	<0.0247	mg/Kg	1	0.0247	0.25	0.0221
1-Naphthylamine	U	1	<0.0383	<0.279	<0.0383	mg/Kg	1	0.0383	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0705	<0.279	<0.0705	mg/Kg	1	0.0705	0.25	0.0631
2-Naphthylamine	U	1	<0.0563	<0.279	<0.0563	mg/Kg	1	0.0563	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0236	<0.279	<0.0236	mg/Kg	1	0.0236	0.25	0.0211
Fluorene	Qs,U	1	<0.0696	<0.279	<0.0696	mg/Kg	1	0.0696	0.25	0.0623
Diethylphthalate	U	1	<0.0607	<0.279	<0.0607	mg/Kg	1	0.0607	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0525	<0.279	<0.0525	mg/Kg	1	0.0525	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.116	<0.279	<0.116	mg/Kg	1	0.116	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.0978	<0.279	<0.0978	mg/Kg	1	0.0978	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0630	<0.279	<0.0630	mg/Kg	1	0.0630	0.25	0.0564
Diphenylhydrazine	U		<0.0720	<0.279	<0.0720	mg/Kg	1	0.0720	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0572	<0.279	<0.0572	mg/Kg	1	0.0572	0.25	0.0512
Phenacetin	U	1	<0.0583	<0.279	<0.0583	mg/Kg	1	0.0583	0.25	0.0522
Hexachlorobenzene	U	1	<0.0498	<0.279	<0.0498	mg/Kg	1	0.0498	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0393	<0.279	<0.0393	mg/Kg	1	0.0393	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0648	<0.279	<0.0648	mg/Kg	1	0.0648	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0386	<0.279	<0.0386	mg/Kg	1	0.0386	0.25	0.0346
Pronamide	Qc,U	1	<0.0648	<0.279	<0.0648	mg/Kg	1	0.0648	0.25	0.058
Phenanthrene	Qs,U	1	<0.0599	<0.279	<0.0599	mg/Kg	1	0.0599	0.25	0.0536
Anthracene	Qs,U	1	<0.0403	<0.279	<0.0403	mg/Kg	1	0.0403	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0591	<0.279	<0.0591	mg/Kg	1	0.0591	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.0381	<0.279	<0.0381	mg/Kg	1	0.0381	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0766	<0.279	<0.0766	mg/Kg	1	0.0766	0.25	0.0686
Pyrene	Qs,U	1	<0.0436	<0.279	<0.0436	mg/Kg	1	0.0436	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0586	<0.279	<0.0586	mg/Kg	1	0.0586	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0768	<0.279	<0.0768	mg/Kg	1	0.0768	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.0416	<0.279	<0.0416	mg/Kg	1	0.0416	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0547	<0.279	<0.0547	mg/Kg	1	0.0547	0.25	0.049
Chrysene	Qs,U	1	<0.0556	<0.279	<0.0556	mg/Kg	1	0.0556	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0788	<0.279	<0.0788	mg/Kg	1	0.0788	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0760	<0.279	<0.0760	mg/Kg	1	0.0760	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.0427	<0.279	<0.0427	mg/Kg	1	0.0427	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0328	<0.279	<0.0328	mg/Kg	1	0.0328	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.0524	<0.279	<0.0524	mg/Kg	1	0.0524	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.0497	<0.279	<0.0497	mg/Kg	1	0.0497	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0360	<0.279	<0.0360	mg/Kg	1	0.0360	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0722	<0.279	<0.0722	mg/Kg	1	0.0722	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.0480	<0.279	<0.0480	mg/Kg	1	0.0480	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0527	<0.279	<0.0527	mg/Kg	1	0.0527	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.0470	<0.279	<0.0470	mg/Kg	1	0.0470	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			1.02	mg/Kg	1	2.67	38	10 - 88
Phenol-d5			1.29	mg/Kg	1	2.67	48	10 - 100
Nitrobenzene-d5			1.54	mg/Kg	1	2.67	58	10 - 89.7
2-Fluorobiphenyl			1.24	mg/Kg	1	2.67	46	13 - 93
2,4,6-Tribromophenol			1.66	mg/Kg	1	2.67	62	10 - 99.4
Terphenyl-d14			1.39	mg/Kg	1	2.67	52	38.9 - 94.4

Sample: 275016 - SS-04

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84179	Date Analyzed:	2011-08-23	Analyzed By:	TP
Prep Batch:	71476	Sample Preparation:	2011-08-23	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0412	<0.559	<0.0412	mg/Kg	1	0.0412	0.5	0.0369
Total Arsenic		1	**2.78**	**2.78**	<0.306	mg/Kg	1	0.306	2	0.274
Total Barium		1	**174**	**174**	<0.255	mg/Kg	1	0.255	1	0.228
Total Cadmium	U	1	<0.0623	<0.559	<0.0623	mg/Kg	1	0.0623	0.5	0.0558
Total Chromium		1	**13.7**	**13.7**	<0.150	mg/Kg	1	0.150	0.5	0.134
Total Mercury		1	**0.0284**	**0.0284**	<0.00221	mg/Kg	1	0.00221	0.025	0.00198
Total Lead		1	**31.6**	**31.6**	<0.219	mg/Kg	1	0.219	1	0.196
Total Selenium	U	1	<0.237	<2.23	<0.237	mg/Kg	1	0.237	2	0.212

Sample: 275016 - SS-04

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.4	<55.9	<14.4	mg/Kg	1	14.4	50	12.9
>C12-C28	U	1	<12.5	<55.9	<12.5	mg/Kg	1	12.5	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			105	mg/Kg	1	100	105	55.1 - 140
n-Tricosane			96.4	mg/Kg	1	100	96	65.2 - 142
n-Triacontane			108	mg/Kg	1	100	108	68.8 - 145

Sample: 275016 - SS-04

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.06	<22.3	<7.06	µg/Kg	1	7.06	20	6.32
Dichlorodifluoromethane	Qr,U	1	<16.5	<22.3	<16.5	µg/Kg	1	16.5	20	14.8
Chloromethane (methyl chloride)	U	1	<5.26	<22.3	<5.26	µg/Kg	1	5.26	20	4.71
Vinyl Chloride	U	1	<15.0	<22.3	<15.0	µg/Kg	1	15.0	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.09	<112	<7.09	µg/Kg	1	7.09	100	6.35
Chloroethane	Qr,U	1	<10.5	<22.3	<10.5	µg/Kg	1	10.5	20	9.44
Trichlorofluoromethane	Qr,U	1	<16.2	<22.3	<16.2	µg/Kg	1	16.2	20	14.5
Acetone	Qc,U	1	<19.9	<223	<19.9	µg/Kg	1	19.9	200	17.8
Iodomethane (methyl iodide)	U	1	<6.04	<112	<6.04	µg/Kg	1	6.04	100	5.41
Carbon Disulfide	U	1	<5.98	<22.3	<5.98	µg/Kg	1	5.98	20	5.35
Acrylonitrile	Qc,U	1	<4.62	<22.3	<4.62	µg/Kg	1	4.62	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.0	<112	<11.0	µg/Kg	1	11.0	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.16	<112	<9.16	µg/Kg	1	9.16	100	8.2
2-Hexanone	Qc,U	1	<9.79	<112	<9.79	µg/Kg	1	9.79	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.51	<223	<5.51	µg/Kg	1	5.51	200	4.93
1,1-Dichloroethene	U	1	<6.47	<22.3	<6.47	µg/Kg	1	6.47	20	5.79
Methylene chloride	JB	1	**18.5**	<112	15.4	µg/Kg	1	7.74	100	6.93
MTBE	U	1	<4.58	<22.3	<4.58	µg/Kg	1	4.58	20	4.1
trans-1,2-Dichloroethene	U	1	<7.03	<22.3	<7.03	µg/Kg	1	7.03	20	6.29
1,1-Dichloroethane	U	1	<6.22	<22.3	<6.22	µg/Kg	1	6.22	20	5.57
cis-1,2-Dichloroethene	U	1	<5.88	<22.3	<5.88	µg/Kg	1	5.88	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.29	<22.3	<6.29	µg/Kg	1	6.29	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.75	<22.3	<5.75	µg/Kg	1	5.75	20	5.15
Chloroform	U	1	<4.65	<22.3	<4.65	µg/Kg	1	4.65	20	4.16
1,1,1-Trichloroethane	U	1	<6.97	<22.3	<6.97	µg/Kg	1	6.97	20	6.24
1,1-Dichloropropene	U	1	<6.60	<22.3	<6.60	µg/Kg	1	6.60	20	5.91
Benzene	U	1	<6.78	<22.3	<6.78	µg/Kg	1	6.78	20	6.07
Carbon Tetrachloride	U	1	<5.71	<22.3	<5.71	µg/Kg	1	5.71	20	5.11
1,2-Dichloropropane	U	1	<6.39	<22.3	<6.39	µg/Kg	1	6.39	20	5.72
Trichloroethene (TCE)	U	1	<7.00	<22.3	<7.00	µg/Kg	1	7.00	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.77	<22.3	<4.77	µg/Kg	1	4.77	20	4.27
Bromodichloromethane	U	1	<8.55	<22.3	<8.55	µg/Kg	1	8.55	20	7.65
2-Chloroethyl vinyl ether	Qc,U	1	<5.89	<22.3	<5.89	µg/Kg	1	5.89	20	5.27

continued ...

sample 275016 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
cis-1,3-Dichloropropene	U	1	<6.19	<22.3	<6.19	µg/Kg	1	6.19	20	5.54
trans-1,3-Dichloropropene	U	1	<4.65	<22.3	<4.65	µg/Kg	1	4.65	20	4.16
Toluene	U	1	<8.29	<22.3	<8.29	µg/Kg	1	8.29	20	7.42
1,1,2-Trichloroethane	U	1	<7.07	<22.3	<7.07	µg/Kg	1	7.07	20	6.33
1,3-Dichloropropane	U	1	<6.87	<22.3	<6.87	µg/Kg	1	6.87	20	6.15
Dibromochloromethane	U	1	<7.41	<22.3	<7.41	µg/Kg	1	7.41	20	6.63
1,2-Dibromoethane (EDB)	U	1	<6.83	<22.3	<6.83	µg/Kg	1	6.83	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.2	<22.3	<14.2	µg/Kg	1	14.2	20	12.7
Chlorobenzene	U	1	<8.75	<22.3	<8.75	µg/Kg	1	8.75	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.26	<22.3	<5.26	µg/Kg	1	5.26	20	4.71
Ethylbenzene	U	1	<8.60	<22.3	<8.60	µg/Kg	1	8.60	20	7.7
m,p-Xylene	U	1	<16.4	<22.3	<16.4	µg/Kg	1	16.4	20	14.7
Bromoform	U	1	<6.31	<22.3	<6.31	µg/Kg	1	6.31	20	5.65
Styrene	U	1	<8.82	<22.3	<8.82	µg/Kg	1	8.82	20	7.89
o-Xylene	U	1	<8.85	<22.3	<8.85	µg/Kg	1	8.85	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.75	<22.3	<5.75	µg/Kg	1	5.75	20	5.15
2-Chlorotoluene	U	1	<9.14	<22.3	<9.14	µg/Kg	1	9.14	20	8.18
1,2,3-Trichloropropane	U	1	<8.61	<22.3	<8.61	µg/Kg	1	8.61	20	7.71
Isopropylbenzene	Qc,U	1	<10.2	<22.3	<10.2	µg/Kg	1	10.2	20	9.13
Bromobenzene	U	1	<7.51	<22.3	<7.51	µg/Kg	1	7.51	20	6.72
n-Propylbenzene	U	1	<8.46	<22.3	<8.46	µg/Kg	1	8.46	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.64	<22.3	<9.64	µg/Kg	1	9.64	20	8.63
tert-Butylbenzene	Qc,U	1	<8.99	<22.3	<8.99	µg/Kg	1	8.99	20	8.05
1,2,4-Trimethylbenzene	U	1	<8.75	<22.3	<8.75	µg/Kg	1	8.75	20	7.83
1,4-Dichlorobenzene (para)	U	1	<9.75	<22.3	<9.75	µg/Kg	1	9.75	20	8.73
sec-Butylbenzene	U	1	<8.12	<22.3	<8.12	µg/Kg	1	8.12	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<7.98	<22.3	<7.98	µg/Kg	1	7.98	20	7.14
p-Isopropyltoluene	U		<7.00	<22.3	<7.00	µg/Kg	1	7.00	20	6.27
4-Chlorotoluene	U	1	<10.4	<22.3	<10.4	µg/Kg	1	10.4	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.2	<22.3	<10.2	µg/Kg	1	10.2	20	9.1
n-Butylbenzene	U	1	<8.14	<22.3	8.39	µg/Kg	1	8.14	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.50	<112	<8.50	µg/Kg	1	8.50	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.18	<112	24.4	µg/Kg	1	8.18	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.44	<112	15.2	µg/Kg	1	7.44	100	6.66
Naphthalene	Qc,U	1	<8.56	<112	58.5	µg/Kg	1	8.56	100	7.66
Hexachlorobutadiene	U	1	<13.7	<112	43.2	µg/Kg	1	13.7	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			904	µg/Kg	1	1000	90	70 - 130
Toluene-d8			983	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			893	µg/Kg	1	1000	89	70 - 130

Sample: 275017 - SS-05

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84116	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71423	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	7.70	%	1	

Sample: 275017 - SS-05

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84229	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00124	<0.00181	<0.00124	mg/Kg	1	0.00124	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00130	<0.00181	<0.00130	mg/Kg	1	0.00130	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00139	<0.00181	<0.00139	mg/Kg	1	0.00139	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00156	<0.00181	<0.00156	mg/Kg	1	0.00156	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00162	<0.00181	<0.00162	mg/Kg	1	0.00162	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00124	<0.00181	<0.00124	mg/Kg	1	0.00124	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00143	<0.00181	<0.00143	mg/Kg	1	0.00143	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00131	<0.00181	<0.00131	mg/Kg	1	0.00131	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00152	<0.00181	<0.00152	mg/Kg	1	0.00152	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0135	mg/Kg	1	0.0167	81	58.7 - 121

Sample: 275017 - SS-05

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0390	<0.271	<0.0390	mg/Kg	1	0.0390	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0718	<0.271	<0.0718	mg/Kg	1	0.0718	0.25	0.0663
2-Picoline	U	1	<0.0611	<0.271	<0.0611	mg/Kg	1	0.0611	0.25	0.0564

continued . . .

sample 275017 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0560	<0.271	<0.0560	mg/Kg	1	0.0560	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0611	<0.271	<0.0611	mg/Kg	1	0.0611	0.25	0.0564
Phenol	Qc,U	1	<0.0477	<0.271	<0.0477	mg/Kg	1	0.0477	0.25	0.044
Aniline	U	1	<0.0564	<0.271	<0.0564	mg/Kg	1	0.0564	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0521	<0.271	<0.0521	mg/Kg	1	0.0521	0.25	0.0481
2-Chlorophenol	U	1	<0.0485	<0.271	<0.0485	mg/Kg	1	0.0485	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0372	<0.271	<0.0372	mg/Kg	1	0.0372	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0311	<0.271	<0.0311	mg/Kg	1	0.0311	0.25	0.0287
Benzyl alcohol	U	1	<0.0275	<0.271	<0.0275	mg/Kg	1	0.0275	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0632	<0.271	<0.0632	mg/Kg	1	0.0632	0.25	0.0583
2-Methylphenol	U	1	<0.0390	<0.271	<0.0390	mg/Kg	1	0.0390	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0584	<0.271	<0.0584	mg/Kg	1	0.0584	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0635	<0.271	<0.0635	mg/Kg	1	0.0635	0.25	0.0586
Acetophenone	U	1	<0.0367	<0.271	<0.0367	mg/Kg	1	0.0367	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0573	<0.271	<0.0573	mg/Kg	1	0.0573	0.25	0.0529
Hexachloroethane	U	1	<0.0570	<0.271	<0.0570	mg/Kg	1	0.0570	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0448	<0.271	<0.0448	mg/Kg	1	0.0448	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0521	<0.271	<0.0521	mg/Kg	1	0.0521	0.25	0.0481
Isophorone	U	1	<0.0585	<0.271	<0.0585	mg/Kg	1	0.0585	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0510	<0.271	<0.0510	mg/Kg	1	0.0510	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0431	<0.271	<0.0431	mg/Kg	1	0.0431	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0557	<0.271	<0.0557	mg/Kg	1	0.0557	0.25	0.0514
Benzoic acid	Qc,U	1	<0.0431	<0.271	<0.0431	mg/Kg	1	0.0431	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0336	<0.271	<0.0336	mg/Kg	1	0.0336	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0366	<0.271	<0.0366	mg/Kg	1	0.0366	0.25	0.0338
Naphthalene	Qs,U	1	<0.0588	<0.271	<0.0588	mg/Kg	1	0.0588	0.25	0.0543
4-Chloroaniline	U	1	<0.0444	<0.271	<0.0444	mg/Kg	1	0.0444	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0380	<0.271	<0.0380	mg/Kg	1	0.0380	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0420	<0.271	<0.0420	mg/Kg	1	0.0420	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0595	<0.271	<0.0595	mg/Kg	1	0.0595	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0288	<0.271	<0.0288	mg/Kg	1	0.0288	0.25	0.0266
1-Methylnaphthalene	U		<0.0570	<0.271	<0.0570	mg/Kg	1	0.0570	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0522	<0.271	<0.0522	mg/Kg	1	0.0522	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0419	<0.271	<0.0419	mg/Kg	1	0.0419	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.106	<0.271	<0.106	mg/Kg	1	0.106	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0481	<0.271	<0.0481	mg/Kg	1	0.0481	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0611	<0.271	<0.0611	mg/Kg	1	0.0611	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0510	<0.271	<0.0510	mg/Kg	1	0.0510	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0638	<0.271	<0.0638	mg/Kg	1	0.0638	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0444	<0.271	<0.0444	mg/Kg	1	0.0444	0.25	0.041
Dimethylphthalate	U	1	<0.0672	<0.271	<0.0672	mg/Kg	1	0.0672	0.25	0.062
Acenaphthylene	U	1	<0.0601	<0.271	<0.0601	mg/Kg	1	0.0601	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0602	<0.271	<0.0602	mg/Kg	1	0.0602	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.0504	<0.271	<0.0504	mg/Kg	1	0.0504	0.25	0.0465
Acenaphthene	Qs,U	1	<0.0604	<0.271	<0.0604	mg/Kg	1	0.0604	0.25	0.0558

continued . . .

sample 275017 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.0905	<0.271	<0.0905	mg/Kg	1	0.0905	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0480	<0.271	<0.0480	mg/Kg	1	0.0480	0.25	0.0443
Pentachlorobenzene	U	1	<0.0520	<0.271	<0.0520	mg/Kg	1	0.0520	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0239	<0.271	<0.0239	mg/Kg	1	0.0239	0.25	0.0221
1-Naphthylamine	U	1	<0.0372	<0.271	<0.0372	mg/Kg	1	0.0372	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0684	<0.271	<0.0684	mg/Kg	1	0.0684	0.25	0.0631
2-Naphthylamine	U	1	<0.0546	<0.271	<0.0546	mg/Kg	1	0.0546	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0229	<0.271	<0.0229	mg/Kg	1	0.0229	0.25	0.0211
Fluorene	Qs,U	1	<0.0675	<0.271	<0.0675	mg/Kg	1	0.0675	0.25	0.0623
Diethylphthalate	U	1	<0.0588	<0.271	<0.0588	mg/Kg	1	0.0588	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0509	<0.271	<0.0509	mg/Kg	1	0.0509	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.113	<0.271	<0.113	mg/Kg	1	0.113	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.0948	<0.271	<0.0948	mg/Kg	1	0.0948	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0611	<0.271	<0.0611	mg/Kg	1	0.0611	0.25	0.0564
Diphenylhydrazine	U		<0.0698	<0.271	<0.0698	mg/Kg	1	0.0698	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0555	<0.271	<0.0555	mg/Kg	1	0.0555	0.25	0.0512
Phenacetin	U	1	<0.0566	<0.271	<0.0566	mg/Kg	1	0.0566	0.25	0.0522
Hexachlorobenzene	U	1	<0.0483	<0.271	<0.0483	mg/Kg	1	0.0483	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0381	<0.271	<0.0381	mg/Kg	1	0.0381	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0628	<0.271	<0.0628	mg/Kg	1	0.0628	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0375	<0.271	<0.0375	mg/Kg	1	0.0375	0.25	0.0346
Pronamide	Qc,U	1	<0.0628	<0.271	<0.0628	mg/Kg	1	0.0628	0.25	0.058
Phenanthrene	Qs,U	1	<0.0581	<0.271	<0.0581	mg/Kg	1	0.0581	0.25	0.0536
Anthracene	Qs,U	1	<0.0391	<0.271	<0.0391	mg/Kg	1	0.0391	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0573	<0.271	<0.0573	mg/Kg	1	0.0573	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.0369	<0.271	<0.0369	mg/Kg	1	0.0369	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0743	<0.271	<0.0743	mg/Kg	1	0.0743	0.25	0.0686
Pyrene	Qs,U	1	<0.0422	<0.271	<0.0422	mg/Kg	1	0.0422	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0569	<0.271	<0.0569	mg/Kg	1	0.0569	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0744	<0.271	<0.0744	mg/Kg	1	0.0744	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.0403	<0.271	<0.0403	mg/Kg	1	0.0403	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0531	<0.271	<0.0531	mg/Kg	1	0.0531	0.25	0.049
Chrysene	Qs,U	1	<0.0540	<0.271	<0.0540	mg/Kg	1	0.0540	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0764	<0.271	<0.0764	mg/Kg	1	0.0764	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0737	<0.271	<0.0737	mg/Kg	1	0.0737	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.0414	<0.271	<0.0414	mg/Kg	1	0.0414	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0318	<0.271	<0.0318	mg/Kg	1	0.0318	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.0508	<0.271	<0.0508	mg/Kg	1	0.0508	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.0482	<0.271	<0.0482	mg/Kg	1	0.0482	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0349	<0.271	<0.0349	mg/Kg	1	0.0349	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0700	<0.271	<0.0700	mg/Kg	1	0.0700	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.0466	<0.271	<0.0466	mg/Kg	1	0.0466	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0511	<0.271	<0.0511	mg/Kg	1	0.0511	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.0456	<0.271	<0.0456	mg/Kg	1	0.0456	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.770	mg/Kg	1	2.67	29	10 - 88
Phenol-d5			1.14	mg/Kg	1	2.67	43	10 - 100
Nitrobenzene-d5			1.36	mg/Kg	1	2.67	51	10 - 89.7
2-Fluorobiphenyl			1.15	mg/Kg	1	2.67	43	13 - 93
2,4,6-Tribromophenol			1.36	mg/Kg	1	2.67	51	10 - 99.4
Terphenyl-d14			1.42	mg/Kg	1	2.67	53	38.9 - 94.4

Sample: 275017 - SS-05

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84256	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0400	<0.542	<0.0400	mg/Kg	1	0.0400	0.5	0.0369
Total Arsenic	U	1	<0.297	<2.17	<0.297	mg/Kg	1	0.297	2	0.274
Total Barium		1	**116**	**116**	<0.247	mg/Kg	1	0.247	1	0.228
Total Cadmium	U	1	<0.0604	<0.542	<0.0604	mg/Kg	1	0.0604	0.5	0.0558
Total Chromium		1	**8.66**	**8.66**	<0.145	mg/Kg	1	0.145	0.5	0.134
Total Mercury	J	1	**0.00897**	<0.0271	<0.00214	mg/Kg	1	0.00214	0.025	0.00198
Total Lead		1	**20.9**	**20.9**	<0.212	mg/Kg	1	0.212	1	0.196
Total Selenium	U	1	<0.230	<2.17	<0.230	mg/Kg	1	0.230	2	0.212

Sample: 275017 - SS-05

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.0	<54.2	<14.0	mg/Kg	1	14.0	50	12.9
>C12-C28	U	1	<12.1	<54.2	<12.1	mg/Kg	1	12.1	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			101	mg/Kg	1	100	101	55.1 - 140
n-Tricosane			94.1	mg/Kg	1	100	94	65.2 - 142
n-Triacontane			108	mg/Kg	1	100	108	68.8 - 145

Sample: 275017 - SS-05

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<6.85	<21.7	<6.85	µg/Kg	1	6.85	20	6.32
Dichlorodifluoromethane	Qr,U	1	<16.0	<21.7	<16.0	µg/Kg	1	16.0	20	14.8
Chloromethane (methyl chloride)	U	1	<5.10	<21.7	<5.10	µg/Kg	1	5.10	20	4.71
Vinyl Chloride	U	1	<14.5	<21.7	<14.5	µg/Kg	1	14.5	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<6.88	<108	<6.88	µg/Kg	1	6.88	100	6.35
Chloroethane	Qr,U	1	<10.2	<21.7	<10.2	µg/Kg	1	10.2	20	9.44
Trichlorofluoromethane	Qr,U	1	<15.7	<21.7	<15.7	µg/Kg	1	15.7	20	14.5
Acetone	Qc,U	1	<19.3	<217	<19.3	µg/Kg	1	19.3	200	17.8
Iodomethane (methyl iodide)	U	1	<5.86	<108	<5.86	µg/Kg	1	5.86	100	5.41
Carbon Disulfide	U	1	<5.80	<21.7	<5.80	µg/Kg	1	5.80	20	5.35
Acrylonitrile	Qc,U	1	<4.48	<21.7	<4.48	µg/Kg	1	4.48	20	4.14
2-Butanone (MEK)	Qc,U	1	<10.7	<108	<10.7	µg/Kg	1	10.7	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<8.88	<108	<8.88	µg/Kg	1	8.88	100	8.2
2-Hexanone	Qc,U	1	<9.49	<108	<9.49	µg/Kg	1	9.49	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.34	<217	<5.34	µg/Kg	1	5.34	200	4.93
1,1-Dichloroethene	U	1	<6.27	<21.7	<6.27	µg/Kg	1	6.27	20	5.79
Methylene chloride	JB	1	**17.4**	<108	15.0	µg/Kg	1	7.51	100	6.93
MTBE	U	1	<4.44	<21.7	<4.44	µg/Kg	1	4.44	20	4.1
trans-1,2-Dichloroethene	U	1	<6.81	<21.7	<6.81	µg/Kg	1	6.81	20	6.29
1,1-Dichloroethane	U	1	<6.03	<21.7	<6.03	µg/Kg	1	6.03	20	5.57
cis-1,2-Dichloroethene	U	1	<5.70	<21.7	<5.70	µg/Kg	1	5.70	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.10	<21.7	<6.10	µg/Kg	1	6.10	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.58	<21.7	<5.58	µg/Kg	1	5.58	20	5.15
Chloroform	U	1	<4.51	<21.7	<4.51	µg/Kg	1	4.51	20	4.16
1,1,1-Trichloroethane	U	1	<6.76	<21.7	<6.76	µg/Kg	1	6.76	20	6.24
1,1-Dichloropropene	U	1	<6.40	<21.7	<6.40	µg/Kg	1	6.40	20	5.91
Benzene	U	1	<6.58	<21.7	<6.58	µg/Kg	1	6.58	20	6.07
Carbon Tetrachloride	U	1	<5.54	<21.7	<5.54	µg/Kg	1	5.54	20	5.11
1,2-Dichloropropane	U	1	<6.20	<21.7	<6.20	µg/Kg	1	6.20	20	5.72
Trichloroethene (TCE)	U	1	<6.79	<21.7	<6.79	µg/Kg	1	6.79	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.63	<21.7	<4.63	µg/Kg	1	4.63	20	4.27
Bromodichloromethane	U	1	<8.29	<21.7	<8.29	µg/Kg	1	8.29	20	7.65
2-Chloroethyl vinyl ether	Qc,U	1	<5.71	<21.7	<5.71	µg/Kg	1	5.71	20	5.27

continued ...

sample 275017 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
cis-1,3-Dichloropropene	U	1	<6.00	<21.7	<6.00	µg/Kg	1	6.00	20	5.54
trans-1,3-Dichloropropene	U	1	<4.51	<21.7	<4.51	µg/Kg	1	4.51	20	4.16
Toluene	U	1	<8.04	<21.7	<8.04	µg/Kg	1	8.04	20	7.42
1,1,2-Trichloroethane	U	1	<6.86	<21.7	<6.86	µg/Kg	1	6.86	20	6.33
1,3-Dichloropropane	U	1	<6.66	<21.7	<6.66	µg/Kg	1	6.66	20	6.15
Dibromochloromethane	U	1	<7.18	<21.7	<7.18	µg/Kg	1	7.18	20	6.63
1,2-Dibromoethane (EDB)	U	1	<6.62	<21.7	<6.62	µg/Kg	1	6.62	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<13.8	<21.7	<13.8	µg/Kg	1	13.8	20	12.7
Chlorobenzene	U	1	<8.48	<21.7	<8.48	µg/Kg	1	8.48	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.10	<21.7	<5.10	µg/Kg	1	5.10	20	4.71
Ethylbenzene	U	1	<8.34	<21.7	<8.34	µg/Kg	1	8.34	20	7.7
m,p-Xylene	U	1	<15.9	<21.7	<15.9	µg/Kg	1	15.9	20	14.7
Bromoform	U	1	<6.12	<21.7	<6.12	µg/Kg	1	6.12	20	5.65
Styrene	U	1	<8.55	<21.7	<8.55	µg/Kg	1	8.55	20	7.89
o-Xylene	U	1	<8.58	<21.7	<8.58	µg/Kg	1	8.58	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.58	<21.7	<5.58	µg/Kg	1	5.58	20	5.15
2-Chlorotoluene	U	1	<8.86	<21.7	<8.86	µg/Kg	1	8.86	20	8.18
1,2,3-Trichloropropane	U	1	<8.35	<21.7	<8.35	µg/Kg	1	8.35	20	7.71
Isopropylbenzene	Qc,U	1	<9.89	<21.7	<9.89	µg/Kg	1	9.89	20	9.13
Bromobenzene	U	1	<7.28	<21.7	<7.28	µg/Kg	1	7.28	20	6.72
n-Propylbenzene	U	1	<8.20	<21.7	<8.20	µg/Kg	1	8.20	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.35	<21.7	<9.35	µg/Kg	1	9.35	20	8.63
tert-Butylbenzene	Qc,U	1	<8.72	<21.7	<8.72	µg/Kg	1	8.72	20	8.05
1,2,4-Trimethylbenzene	U	1	<8.48	<21.7	<8.48	µg/Kg	1	8.48	20	7.83
1,4-Dichlorobenzene (para)	U	1	<9.46	<21.7	<9.46	µg/Kg	1	9.46	20	8.73
sec-Butylbenzene	U	1	<7.88	<21.7	<7.88	µg/Kg	1	7.88	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<7.74	<21.7	<7.74	µg/Kg	1	7.74	20	7.14
p-Isopropyltoluene	U		<6.79	<21.7	<6.79	µg/Kg	1	6.79	20	6.27
4-Chlorotoluene	U	1	<10.1	<21.7	<10.1	µg/Kg	1	10.1	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<9.86	<21.7	<9.86	µg/Kg	1	9.86	20	9.1
n-Butylbenzene	U	1	<7.90	<21.7	8.14	µg/Kg	1	7.90	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.24	<108	<8.24	µg/Kg	1	8.24	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<7.93	<108	23.6	µg/Kg	1	7.93	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.22	<108	14.7	µg/Kg	1	7.22	100	6.66
Naphthalene	Qc,U	1	<8.30	<108	56.8	µg/Kg	1	8.30	100	7.66
Hexachlorobutadiene	U	1	<13.3	<108	41.9	µg/Kg	1	13.3	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			911	µg/Kg	1	1000	91	70 - 130
Toluene-d8			984	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			882	µg/Kg	1	1000	88	70 - 130

Sample: 275018 - SS-06

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84116	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71423	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	29.2	%	1	

Sample: 275018 - SS-06

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84229	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB		1	**0.194**	**0.194**	<0.0162	mg/Kg	10	0.0162	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.0169	<0.0236	<0.0169	mg/Kg	10	0.0169	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.0181	<0.0236	<0.0181	mg/Kg	10	0.0181	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.0203	<0.0236	<0.0203	mg/Kg	10	0.0203	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.0212	<0.0236	<0.0212	mg/Kg	10	0.0212	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.0162	<0.0236	<0.0162	mg/Kg	10	0.0162	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.0186	<0.0236	<0.0186	mg/Kg	10	0.0186	0.00167	0.00132
Aroclor 1260 (PCB-1260)		1	**0.194**	**0.194**	<0.0171	mg/Kg	10	0.0171	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.0198	<0.0236	<0.0198	mg/Kg	10	0.0198	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0171	mg/Kg	10	0.0167	102	58.7 - 121

Sample: 275018 - SS-06

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<5.08	<35.3	<5.08	mg/Kg	100	5.08	0.25	0.036
N-Nitrosodimethylamine	U	1	<9.36	<35.3	<9.36	mg/Kg	100	9.36	0.25	0.0663
2-Picoline	U	1	<7.97	<35.3	<7.97	mg/Kg	100	7.97	0.25	0.0564

continued . . .

sample 275018 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<7.30	<35.3	<7.30	mg/Kg	100	7.30	0.25	0.0517
Ethyl methanesulfonate	U	1	<7.97	<35.3	<7.97	mg/Kg	100	7.97	0.25	0.0564
Phenol	Qc,U	1	<6.21	<35.3	<6.21	mg/Kg	100	6.21	0.25	0.044
Aniline	U	1	<7.36	<35.3	<7.36	mg/Kg	100	7.36	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<6.79	<35.3	<6.79	mg/Kg	100	6.79	0.25	0.0481
2-Chlorophenol	U	1	<6.33	<35.3	<6.33	mg/Kg	100	6.33	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<4.84	<35.3	<4.84	mg/Kg	100	4.84	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<4.05	<35.3	<4.05	mg/Kg	100	4.05	0.25	0.0287
Benzyl alcohol	U	1	<3.59	<35.3	<3.59	mg/Kg	100	3.59	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<8.23	<35.3	<8.23	mg/Kg	100	8.23	0.25	0.0583
2-Methylphenol	U	1	<5.08	<35.3	<5.08	mg/Kg	100	5.08	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<7.61	<35.3	<7.61	mg/Kg	100	7.61	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<8.28	<35.3	<8.28	mg/Kg	100	8.28	0.25	0.0586
Acetophenone	U	1	<4.79	<35.3	<4.79	mg/Kg	100	4.79	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<7.47	<35.3	<7.47	mg/Kg	100	7.47	0.25	0.0529
Hexachloroethane	U	1	<7.43	<35.3	<7.43	mg/Kg	100	7.43	0.25	0.0526
Nitrobenzene	Qs,U	1	<5.85	<35.3	<5.85	mg/Kg	100	5.85	0.25	0.0414
N-Nitrosopiperidine	U	1	<6.79	<35.3	<6.79	mg/Kg	100	6.79	0.25	0.0481
Isophorone	U	1	<7.63	<35.3	<7.63	mg/Kg	100	7.63	0.25	0.054
2-Nitrophenol	Qc,U	1	<6.65	<35.3	<6.65	mg/Kg	100	6.65	0.25	0.0471
2,4-Dimethylphenol	U	1	<5.62	<35.3	<5.62	mg/Kg	100	5.62	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<7.26	<35.3	<7.26	mg/Kg	100	7.26	0.25	0.0514
Benzoic acid	Qc,U	1	<5.62	<35.3	<5.62	mg/Kg	100	5.62	0.25	0.0398
2,4-Dichlorophenol	U	1	<4.38	<35.3	<4.38	mg/Kg	100	4.38	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<4.77	<35.3	<4.77	mg/Kg	100	4.77	0.25	0.0338
Naphthalene	J,Qs	1	**12.4**	<35.3	<7.67	mg/Kg	100	7.67	0.25	0.0543
4-Chloroaniline	U	1	<5.79	<35.3	<5.79	mg/Kg	100	5.79	0.25	0.041
2,6-Dichlorophenol	U	1	<4.96	<35.3	<4.96	mg/Kg	100	4.96	0.25	0.0351
Hexachlorobutadiene	U	1	<5.48	<35.3	<5.48	mg/Kg	100	5.48	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<7.75	<35.3	<7.75	mg/Kg	100	7.75	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<3.76	<35.3	<3.76	mg/Kg	100	3.76	0.25	0.0266
1-Methylnaphthalene	U		<7.43	<35.3	<7.43	mg/Kg	100	7.43	0.25	0.0526
2-Methylnaphthalene	U	1	<6.81	<35.3	<6.81	mg/Kg	100	6.81	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<5.47	<35.3	<5.47	mg/Kg	100	5.47	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<13.8	<35.3	<13.8	mg/Kg	100	13.8	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<6.27	<35.3	<6.27	mg/Kg	100	6.27	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<7.97	<35.3	<7.97	mg/Kg	100	7.97	0.25	0.0564
2-Chloronaphthalene	U	1	<6.65	<35.3	<6.65	mg/Kg	100	6.65	0.25	0.0471
1-Chloronaphthalene	U	1	<8.32	<35.3	<8.32	mg/Kg	100	8.32	0.25	0.0589
2-Nitroaniline	Qs,U	1	<5.79	<35.3	<5.79	mg/Kg	100	5.79	0.25	0.041
Dimethylphthalate	U	1	<8.76	<35.3	<8.76	mg/Kg	100	8.76	0.25	0.062
Acenaphthylene	U	1	<7.84	<35.3	<7.84	mg/Kg	100	7.84	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<7.85	<35.3	<7.85	mg/Kg	100	7.85	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<6.57	<35.3	<6.57	mg/Kg	100	6.57	0.25	0.0465
Acenaphthene	J,Qs	1	**9.87**	<35.3	<7.88	mg/Kg	100	7.88	0.25	0.0558

continued ...

sample 275018 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<11.8	<35.3	<11.8	mg/Kg	100	11.8	0.25	0.0835
Dibenzofuran	J,Qs	1	**9.52**	<35.3	<6.26	mg/Kg	100	6.26	0.25	0.0443
Pentachlorobenzene	U	1	<6.78	<35.3	<6.78	mg/Kg	100	6.78	0.25	0.048
4-Nitrophenol	Qs,U	1	<3.12	<35.3	<3.12	mg/Kg	100	3.12	0.25	0.0221
1-Naphthylamine	U	1	<4.84	<35.3	<4.84	mg/Kg	100	4.84	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<8.91	<35.3	<8.91	mg/Kg	100	8.91	0.25	0.0631
2-Naphthylamine	U	1	<7.12	<35.3	<7.12	mg/Kg	100	7.12	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<2.98	<35.3	<2.98	mg/Kg	100	2.98	0.25	0.0211
Fluorene	J,Qs	1	**10.1**	<35.3	<8.80	mg/Kg	100	8.80	0.25	0.0623
Diethylphthalate	U	1	<7.67	<35.3	<7.67	mg/Kg	100	7.67	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<6.64	<35.3	<6.64	mg/Kg	100	6.64	0.25	0.047
4-Nitroaniline	Qs,U	1	<14.7	<35.3	<14.7	mg/Kg	100	14.7	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<12.4	<35.3	<12.4	mg/Kg	100	12.4	0.25	0.0875
Diphenylamine	Qs,U	1	<7.97	<35.3	<7.97	mg/Kg	100	7.97	0.25	0.0564
Diphenylhydrazine	U		<9.10	<35.3	<9.10	mg/Kg	100	9.10	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<7.23	<35.3	<7.23	mg/Kg	100	7.23	0.25	0.0512
Phenacetin	U	1	<7.37	<35.3	<7.37	mg/Kg	100	7.37	0.25	0.0522
Hexachlorobenzene	U	1	<6.30	<35.3	<6.30	mg/Kg	100	6.30	0.25	0.0446
4-Aminobiphenyl	U	1	<4.97	<35.3	<4.97	mg/Kg	100	4.97	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<8.19	<35.3	<8.19	mg/Kg	100	8.19	0.25	0.058
Pentachloronitrobenzene	U	1	<4.89	<35.3	<4.89	mg/Kg	100	4.89	0.25	0.0346
Pronamide	Qc,U	1	<8.19	<35.3	<8.19	mg/Kg	100	8.19	0.25	0.058
Phenanthrene	Qs	1	**139**	**139**	<7.57	mg/Kg	100	7.57	0.25	0.0536
Anthracene	J,Qs	1	**18.5**	<35.3	<5.10	mg/Kg	100	5.10	0.25	0.0361
Di-n-butylphthalate	U	1	<7.47	<35.3	<7.47	mg/Kg	100	7.47	0.25	0.0529
Fluoranthene	Qc,Qs	1	**154**	**154**	<4.82	mg/Kg	100	4.82	0.25	0.0341
Benzidine	Qc,Qs,U	1	<9.69	<35.3	<9.69	mg/Kg	100	9.69	0.25	0.0686
Pyrene	Qs	1	**148**	**148**	<5.51	mg/Kg	100	5.51	0.25	0.039
p-Dimethylaminoazobenzene	U		<7.42	<35.3	<7.42	mg/Kg	100	7.42	0.25	0.0525
Butylbenzylphthalate	U	1	<9.70	<35.3	<9.70	mg/Kg	100	9.70	0.25	0.0687
Benzo(a)anthracene	Qs	1	**58.8**	**58.8**	<5.25	mg/Kg	100	5.25	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<6.92	<35.3	<6.92	mg/Kg	100	6.92	0.25	0.049
Chrysene	Qs	1	**97.3**	**97.3**	<7.03	mg/Kg	100	7.03	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<9.96	<35.3	<9.96	mg/Kg	100	9.96	0.25	0.0705
Di-n-octylphthalate	U	1	<9.60	<35.3	<9.60	mg/Kg	100	9.60	0.25	0.068
Benzo(b)fluoranthene	Qs	1	**70.0**	**70.0**	<5.40	mg/Kg	100	5.40	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<4.15	<35.3	<4.15	mg/Kg	100	4.15	0.25	0.0294
Benzo(k)fluoranthene	J,Qs	1	**29.4**	<35.3	<6.62	mg/Kg	100	6.62	0.25	0.0469
Benzo(a)pyrene	Qs	1	**52.1**	**52.1**	<6.28	mg/Kg	100	6.28	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<4.55	<35.3	<4.55	mg/Kg	100	4.55	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<9.12	<35.3	<9.12	mg/Kg	100	9.12	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs	1	**40.7**	**40.7**	<6.07	mg/Kg	100	6.07	0.25	0.043
Dibenzo(a,h)anthracene	J	1	**14.3**	<35.3	<6.67	mg/Kg	100	6.67	0.25	0.0472
Benzo(g,h,i)perylene	Qs	1	**41.1**	**41.1**	<5.95	mg/Kg	100	5.95	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol	J		1.14	mg/Kg	100	2.67	43	10 - 88
Phenol-d5	J		1.47	mg/Kg	100	2.67	55	10 - 100
Nitrobenzene-d5	J		1.60	mg/Kg	100	2.67	60	10 - 89.7
2-Fluorobiphenyl	J		1.84	mg/Kg	100	2.67	69	13 - 93
2,4,6-Tribromophenol	J		1.42	mg/Kg	100	2.67	53	10 - 99.4
Terphenyl-d14	J,Qsr		3.04	mg/Kg	100	2.67	114	38.9 - 94.4

Sample: 275018 - SS-06

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84256	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0521	<0.706	<0.0521	mg/Kg	1	0.0521	0.5	0.0369
Total Arsenic	U	1	<0.387	<2.82	<0.387	mg/Kg	1	0.387	2	0.274
Total Barium		1	**174**	**174**	<0.322	mg/Kg	1	0.322	1	0.228
Total Cadmium		1	**1.58**	**1.58**	<0.0788	mg/Kg	1	0.0788	0.5	0.0558
Total Chromium		1	**62.7**	**62.7**	<0.189	mg/Kg	1	0.189	0.5	0.134
Total Mercury		1	**0.0973**	**0.0973**	<0.00280	mg/Kg	1	0.00280	0.025	0.00198
Total Lead		1	**931**	**931**	<2.77	mg/Kg	10	2.77	1	0.196
Total Selenium	U	1	<0.299	<2.82	<0.299	mg/Kg	1	0.299	2	0.212

Sample: 275018 - SS-06

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<18.2	<70.6	<18.2	mg/Kg	1	18.2	50	12.9
>C12-C28	U	1	<15.8	<70.6	<15.8	mg/Kg	1	15.8	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			105	mg/Kg	1	100	105	55.1 - 140
n-Tricosane			97.2	mg/Kg	1	100	97	65.2 - 142
n-Triacontane			111	mg/Kg	1	100	111	68.8 - 145

Sample: 275018 - SS-06

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<8.93	<28.2	<8.93	µg/Kg	1	8.93	20	6.32
Dichlorodifluoromethane	Qr,U	1	<20.9	<28.2	<20.9	µg/Kg	1	20.9	20	14.8
Chloromethane (methyl chloride)	U	1	<6.65	<28.2	<6.65	µg/Kg	1	6.65	20	4.71
Vinyl Chloride	U	1	<18.9	<28.2	<18.9	µg/Kg	1	18.9	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<8.97	<141	<8.97	µg/Kg	1	8.97	100	6.35
Chloroethane	Qr,U	1	<13.3	<28.2	<13.3	µg/Kg	1	13.3	20	9.44
Trichlorofluoromethane	Qr,U	1	<20.5	<28.2	<20.5	µg/Kg	1	20.5	20	14.5
Acetone	Qc,U	1	<25.1	<282	<25.1	µg/Kg	1	25.1	200	17.8
Iodomethane (methyl iodide)	U	1	<7.64	<141	<7.64	µg/Kg	1	7.64	100	5.41
Carbon Disulfide	U	1	<7.56	<28.2	<7.56	µg/Kg	1	7.56	20	5.35
Acrylonitrile	Qc,U	1	<5.85	<28.2	<5.85	µg/Kg	1	5.85	20	4.14
2-Butanone (MEK)	Qc,U	1	<13.9	<141	<13.9	µg/Kg	1	13.9	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<11.6	<141	<11.6	µg/Kg	1	11.6	100	8.2
2-Hexanone	Qc,U	1	<12.4	<141	<12.4	µg/Kg	1	12.4	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<6.96	<282	<6.96	µg/Kg	1	6.96	200	4.93
1,1-Dichloroethene	U	1	<8.18	<28.2	<8.18	µg/Kg	1	8.18	20	5.79
Methylene chloride	JB	1	**23.4**	<141	19.5	µg/Kg	1	9.79	100	6.93
MTBE	U	1	<5.79	<28.2	<5.79	µg/Kg	1	5.79	20	4.1
trans-1,2-Dichloroethene	U	1	<8.88	<28.2	<8.88	µg/Kg	1	8.88	20	6.29
1,1-Dichloroethane	U	1	<7.87	<28.2	<7.87	µg/Kg	1	7.87	20	5.57
cis-1,2-Dichloroethene	U	1	<7.43	<28.2	<7.43	µg/Kg	1	7.43	20	5.26
2,2-Dichloropropane	Qc,U	1	<7.95	<28.2	<7.95	µg/Kg	1	7.95	20	5.63
1,2-Dichloroethane (EDC)	U	1	<7.27	<28.2	<7.27	µg/Kg	1	7.27	20	5.15
Chloroform	U	1	<5.88	<28.2	<5.88	µg/Kg	1	5.88	20	4.16
1,1,1-Trichloroethane	U	1	<8.81	<28.2	<8.81	µg/Kg	1	8.81	20	6.24
1,1-Dichloropropene	U	1	<8.35	<28.2	<8.35	µg/Kg	1	8.35	20	5.91
Benzene	U	1	<8.57	<28.2	<8.57	µg/Kg	1	8.57	20	6.07
Carbon Tetrachloride	U	1	<7.22	<28.2	<7.22	µg/Kg	1	7.22	20	5.11
1,2-Dichloropropane	U	1	<8.08	<28.2	<8.08	µg/Kg	1	8.08	20	5.72
Trichloroethene (TCE)	U	1	<8.86	<28.2	<8.86	µg/Kg	1	8.86	20	6.27
Dibromomethane (methylene bromide)	U	1	<6.03	<28.2	<6.03	µg/Kg	1	6.03	20	4.27
Bromodichloromethane	U	1	<10.8	<28.2	<10.8	µg/Kg	1	10.8	20	7.65
2-Chloroethyl vinyl ether	Qc,U	1	<7.44	<28.2	<7.44	µg/Kg	1	7.44	20	5.27

continued . . .

sample 275018 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
cis-1,3-Dichloropropene	U	1	<7.82	<28.2	<7.82	µg/Kg	1	7.82	20	5.54
trans-1,3-Dichloropropene	U	1	<5.88	<28.2	<5.88	µg/Kg	1	5.88	20	4.16
Toluene	U	1	<10.5	<28.2	<10.5	µg/Kg	1	10.5	20	7.42
1,1,2-Trichloroethane	U	1	<8.94	<28.2	<8.94	µg/Kg	1	8.94	20	6.33
1,3-Dichloropropane	U	1	<8.69	<28.2	<8.69	µg/Kg	1	8.69	20	6.15
Dibromochloromethane	U	1	<9.36	<28.2	<9.36	µg/Kg	1	9.36	20	6.63
1,2-Dibromoethane (EDB)	U	1	<8.63	<28.2	<8.63	µg/Kg	1	8.63	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<17.9	<28.2	<17.9	µg/Kg	1	17.9	20	12.7
Chlorobenzene	U	1	<11.0	<28.2	<11.0	µg/Kg	1	11.0	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<6.65	<28.2	<6.65	µg/Kg	1	6.65	20	4.71
Ethylbenzene	U	1	<10.9	<28.2	<10.9	µg/Kg	1	10.9	20	7.7
m,p-Xylene	U	1	<20.8	<28.2	<20.8	µg/Kg	1	20.8	20	14.7
Bromoform	U	1	<7.98	<28.2	<7.98	µg/Kg	1	7.98	20	5.65
Styrene	U	1	<11.1	<28.2	<11.1	µg/Kg	1	11.1	20	7.89
o-Xylene	U	1	<11.2	<28.2	<11.2	µg/Kg	1	11.2	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<7.27	<28.2	<7.27	µg/Kg	1	7.27	20	5.15
2-Chlorotoluene	U	1	<11.6	<28.2	<11.6	µg/Kg	1	11.6	20	8.18
1,2,3-Trichloropropane	U	1	<10.9	<28.2	<10.9	µg/Kg	1	10.9	20	7.71
Isopropylbenzene	Qc,U	1	<12.9	<28.2	<12.9	µg/Kg	1	12.9	20	9.13
Bromobenzene	U	1	<9.49	<28.2	<9.49	µg/Kg	1	9.49	20	6.72
n-Propylbenzene	U	1	<10.7	<28.2	<10.7	µg/Kg	1	10.7	20	7.57
1,3,5-Trimethylbenzene	U	1	<12.2	<28.2	<12.2	µg/Kg	1	12.2	20	8.63
tert-Butylbenzene	Qc,U	1	<11.4	<28.2	<11.4	µg/Kg	1	11.4	20	8.05
1,2,4-Trimethylbenzene	U	1	<11.0	<28.2	<11.0	µg/Kg	1	11.0	20	7.83
1,4-Dichlorobenzene (para)	U	1	<12.3	<28.2	<12.3	µg/Kg	1	12.3	20	8.73
sec-Butylbenzene	U	1	<10.3	<28.2	<10.3	µg/Kg	1	10.3	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<10.1	<28.2	<10.1	µg/Kg	1	10.1	20	7.14
p-Isopropyltoluene	U		<8.86	<28.2	<8.86	µg/Kg	1	8.86	20	6.27
4-Chlorotoluene	U	1	<13.2	<28.2	<13.2	µg/Kg	1	13.2	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<12.8	<28.2	<12.8	µg/Kg	1	12.8	20	9.1
n-Butylbenzene	U	1	<10.3	<28.2	10.6	µg/Kg	1	10.3	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<10.7	<141	<10.7	µg/Kg	1	10.7	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<10.3	<141	30.8	µg/Kg	1	10.3	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<9.41	<141	19.2	µg/Kg	1	9.41	100	6.66
Naphthalene	JB,Qc	1	**17.5**	<141	74.0	µg/Kg	1	10.8	100	7.66
Hexachlorobutadiene	U	1	<17.4	<141	54.7	µg/Kg	1	17.4	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			896	µg/Kg	1	1000	90	70 - 130
Toluene-d8			986	µg/Kg	1	1000	99	70 - 130
4-Bromofluorobenzene (4-BFB)			879	µg/Kg	1	1000	88	70 - 130

Sample: 275019 - Dup.-01

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84116	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71423	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	18.8	%	1	

Sample: 275019 - Dup.-01

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84229	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB	U	1	<0.00142	<0.00206	<0.00142	mg/Kg	1	0.00142	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00148	<0.00206	<0.00148	mg/Kg	1	0.00148	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00158	<0.00206	<0.00158	mg/Kg	1	0.00158	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00177	<0.00206	<0.00177	mg/Kg	1	0.00177	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00185	<0.00206	<0.00185	mg/Kg	1	0.00185	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00142	<0.00206	<0.00142	mg/Kg	1	0.00142	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00162	<0.00206	<0.00162	mg/Kg	1	0.00162	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.00149	<0.00206	<0.00149	mg/Kg	1	0.00149	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00172	<0.00206	<0.00172	mg/Kg	1	0.00172	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0124	mg/Kg	1	0.0167	74	58.7 - 121

Sample: 275019 - Dup.-01

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0443	<0.308	<0.0443	mg/Kg	1	0.0443	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0816	<0.308	<0.0816	mg/Kg	1	0.0816	0.25	0.0663
2-Picoline	U	1	<0.0694	<0.308	<0.0694	mg/Kg	1	0.0694	0.25	0.0564

continued . . .

sample 275019 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0637	<0.308	<0.0637	mg/Kg	1	0.0637	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0694	<0.308	<0.0694	mg/Kg	1	0.0694	0.25	0.0564
Phenol	Qc,U	1	<0.0542	<0.308	<0.0542	mg/Kg	1	0.0542	0.25	0.044
Aniline	U	1	<0.0642	<0.308	<0.0642	mg/Kg	1	0.0642	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0592	<0.308	<0.0592	mg/Kg	1	0.0592	0.25	0.0481
2-Chlorophenol	U	1	<0.0552	<0.308	<0.0552	mg/Kg	1	0.0552	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0422	<0.308	<0.0422	mg/Kg	1	0.0422	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0353	<0.308	<0.0353	mg/Kg	1	0.0353	0.25	0.0287
Benzyl alcohol	U	1	<0.0313	<0.308	<0.0313	mg/Kg	1	0.0313	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0718	<0.308	<0.0718	mg/Kg	1	0.0718	0.25	0.0583
2-Methylphenol	U	1	<0.0443	<0.308	<0.0443	mg/Kg	1	0.0443	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0664	<0.308	<0.0664	mg/Kg	1	0.0664	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0722	<0.308	<0.0722	mg/Kg	1	0.0722	0.25	0.0586
Acetophenone	U	1	<0.0417	<0.308	<0.0417	mg/Kg	1	0.0417	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0651	<0.308	<0.0651	mg/Kg	1	0.0651	0.25	0.0529
Hexachloroethane	U	1	<0.0648	<0.308	<0.0648	mg/Kg	1	0.0648	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0510	<0.308	<0.0510	mg/Kg	1	0.0510	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0592	<0.308	<0.0592	mg/Kg	1	0.0592	0.25	0.0481
Isophorone	U	1	<0.0665	<0.308	<0.0665	mg/Kg	1	0.0665	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0580	<0.308	<0.0580	mg/Kg	1	0.0580	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0490	<0.308	<0.0490	mg/Kg	1	0.0490	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0633	<0.308	<0.0633	mg/Kg	1	0.0633	0.25	0.0514
Benzoic acid	Qc,U	1	<0.0490	<0.308	<0.0490	mg/Kg	1	0.0490	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0382	<0.308	<0.0382	mg/Kg	1	0.0382	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0416	<0.308	<0.0416	mg/Kg	1	0.0416	0.25	0.0338
Naphthalene	Qs,U	1	<0.0669	<0.308	<0.0669	mg/Kg	1	0.0669	0.25	0.0543
4-Chloroaniline	U	1	<0.0505	<0.308	<0.0505	mg/Kg	1	0.0505	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0432	<0.308	<0.0432	mg/Kg	1	0.0432	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0478	<0.308	<0.0478	mg/Kg	1	0.0478	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0676	<0.308	<0.0676	mg/Kg	1	0.0676	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0328	<0.308	<0.0328	mg/Kg	1	0.0328	0.25	0.0266
1-Methylnaphthalene	U		<0.0648	<0.308	<0.0648	mg/Kg	1	0.0648	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0594	<0.308	<0.0594	mg/Kg	1	0.0594	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0477	<0.308	<0.0477	mg/Kg	1	0.0477	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.120	<0.308	<0.120	mg/Kg	1	0.120	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0547	<0.308	<0.0547	mg/Kg	1	0.0547	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0694	<0.308	<0.0694	mg/Kg	1	0.0694	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0580	<0.308	<0.0580	mg/Kg	1	0.0580	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0725	<0.308	<0.0725	mg/Kg	1	0.0725	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0505	<0.308	<0.0505	mg/Kg	1	0.0505	0.25	0.041
Dimethylphthalate	U	1	<0.0764	<0.308	<0.0764	mg/Kg	1	0.0764	0.25	0.062
Acenaphthylene	U	1	<0.0683	<0.308	<0.0683	mg/Kg	1	0.0683	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0685	<0.308	<0.0685	mg/Kg	1	0.0685	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.0573	<0.308	<0.0573	mg/Kg	1	0.0573	0.25	0.0465
Acenaphthene	Qs,U	1	<0.0687	<0.308	<0.0687	mg/Kg	1	0.0687	0.25	0.0558

continued . . .

sample 275019 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.103	<0.308	<0.103	mg/Kg	1	0.103	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0546	<0.308	<0.0546	mg/Kg	1	0.0546	0.25	0.0443
Pentachlorobenzene	U	1	<0.0591	<0.308	<0.0591	mg/Kg	1	0.0591	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0272	<0.308	<0.0272	mg/Kg	1	0.0272	0.25	0.0221
1-Naphthylamine	U	1	<0.0422	<0.308	<0.0422	mg/Kg	1	0.0422	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0777	<0.308	<0.0777	mg/Kg	1	0.0777	0.25	0.0631
2-Naphthylamine	U	1	<0.0621	<0.308	<0.0621	mg/Kg	1	0.0621	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0260	<0.308	<0.0260	mg/Kg	1	0.0260	0.25	0.0211
Fluorene	Qs,U	1	<0.0767	<0.308	<0.0767	mg/Kg	1	0.0767	0.25	0.0623
Diethylphthalate	U	1	<0.0669	<0.308	<0.0669	mg/Kg	1	0.0669	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0579	<0.308	<0.0579	mg/Kg	1	0.0579	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.128	<0.308	<0.128	mg/Kg	1	0.128	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.108	<0.308	<0.108	mg/Kg	1	0.108	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0694	<0.308	<0.0694	mg/Kg	1	0.0694	0.25	0.0564
Diphenylhydrazine	U		<0.0793	<0.308	<0.0793	mg/Kg	1	0.0793	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0630	<0.308	<0.0630	mg/Kg	1	0.0630	0.25	0.0512
Phenacetin	U	1	<0.0643	<0.308	<0.0643	mg/Kg	1	0.0643	0.25	0.0522
Hexachlorobenzene	U	1	<0.0549	<0.308	<0.0549	mg/Kg	1	0.0549	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0433	<0.308	<0.0433	mg/Kg	1	0.0433	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0714	<0.308	<0.0714	mg/Kg	1	0.0714	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0426	<0.308	<0.0426	mg/Kg	1	0.0426	0.25	0.0346
Pronamide	Qc,U	1	<0.0714	<0.308	<0.0714	mg/Kg	1	0.0714	0.25	0.058
Phenanthrene	Qs,U	1	<0.0660	<0.308	<0.0660	mg/Kg	1	0.0660	0.25	0.0536
Anthracene	Qs,U	1	<0.0444	<0.308	<0.0444	mg/Kg	1	0.0444	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0651	<0.308	<0.0651	mg/Kg	1	0.0651	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.0420	<0.308	<0.0420	mg/Kg	1	0.0420	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0845	<0.308	<0.0845	mg/Kg	1	0.0845	0.25	0.0686
Pyrene	Qs,U	1	<0.0480	<0.308	<0.0480	mg/Kg	1	0.0480	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0646	<0.308	<0.0646	mg/Kg	1	0.0646	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0846	<0.308	<0.0846	mg/Kg	1	0.0846	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.0458	<0.308	<0.0458	mg/Kg	1	0.0458	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0603	<0.308	<0.0603	mg/Kg	1	0.0603	0.25	0.049
Chrysene	Qs,U	1	<0.0613	<0.308	<0.0613	mg/Kg	1	0.0613	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0868	<0.308	<0.0868	mg/Kg	1	0.0868	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0837	<0.308	<0.0837	mg/Kg	1	0.0837	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.0470	<0.308	<0.0470	mg/Kg	1	0.0470	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0362	<0.308	<0.0362	mg/Kg	1	0.0362	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.0578	<0.308	<0.0578	mg/Kg	1	0.0578	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.0548	<0.308	<0.0548	mg/Kg	1	0.0548	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0396	<0.308	<0.0396	mg/Kg	1	0.0396	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0796	<0.308	<0.0796	mg/Kg	1	0.0796	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.0530	<0.308	<0.0530	mg/Kg	1	0.0530	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0581	<0.308	<0.0581	mg/Kg	1	0.0581	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.0518	<0.308	<0.0518	mg/Kg	1	0.0518	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.411	mg/Kg	1	2.67	15	10 - 88
Phenol-d5			0.627	mg/Kg	1	2.67	23	10 - 100
Nitrobenzene-d5			0.666	mg/Kg	1	2.67	25	10 - 89.7
2-Fluorobiphenyl			0.609	mg/Kg	1	2.67	23	13 - 93
2,4,6-Tribromophenol			1.10	mg/Kg	1	2.67	41	10 - 99.4
Terphenyl-d14	Qsr		0.990	mg/Kg	1	2.67	37	38.9 - 94.4

Sample: 275019 - Dup.-01

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84256	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0454	<0.616	<0.0454	mg/Kg	1	0.0454	0.5	0.0369
Total Arsenic	J	1	**1.58**	<2.46	<0.337	mg/Kg	1	0.337	2	0.274
Total Barium		1	**188**	**188**	<0.281	mg/Kg	1	0.281	1	0.228
Total Cadmium	U	1	<0.0687	<0.616	<0.0687	mg/Kg	1	0.0687	0.5	0.0558
Total Chromium		1	**17.0**	**17.0**	<0.165	mg/Kg	1	0.165	0.5	0.134
Total Mercury	J	1	**0.0172**	<0.0308	<0.00244	mg/Kg	1	0.00244	0.025	0.00198
Total Lead		1	**33.4**	**33.4**	<0.241	mg/Kg	1	0.241	1	0.196
Total Selenium	U	1	<0.261	<2.46	<0.261	mg/Kg	1	0.261	2	0.212

Sample: 275019 - Dup.-01

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<15.9	<61.6	<15.9	mg/Kg	1	15.9	50	12.9
>C12-C28	U	1	<13.8	<61.6	<13.8	mg/Kg	1	13.8	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			103	mg/Kg	1	100	103	55.1 - 140
n-Tricosane			96.3	mg/Kg	1	100	96	65.2 - 142
n-Triacontane			110	mg/Kg	1	100	110	68.8 - 145

Sample: 275019 - Dup.-01

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.78	<24.6	<7.78	µg/Kg	1	7.78	20	6.32
Dichlorodifluoromethane	Qr,U	1	<18.2	<24.6	<18.2	µg/Kg	1	18.2	20	14.8
Chloromethane (methyl chloride)	U	1	<5.80	<24.6	<5.80	µg/Kg	1	5.80	20	4.71
Vinyl Chloride	U	1	<16.5	<24.6	<16.5	µg/Kg	1	16.5	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.82	<123	<7.82	µg/Kg	1	7.82	100	6.35
Chloroethane	Qr,U	1	<11.6	<24.6	<11.6	µg/Kg	1	11.6	20	9.44
Trichlorofluoromethane	Qr,U	1	<17.8	<24.6	<17.8	µg/Kg	1	17.8	20	14.5
Acetone	Qc,U	1	<21.9	<246	<21.9	µg/Kg	1	21.9	200	17.8
Iodomethane (methyl iodide)	U	1	<6.66	<123	<6.66	µg/Kg	1	6.66	100	5.41
Carbon Disulfide	U	1	<6.59	<24.6	<6.59	µg/Kg	1	6.59	20	5.35
Acrylonitrile	Qc,U	1	<5.10	<24.6	<5.10	µg/Kg	1	5.10	20	4.14
2-Butanone (MEK)	Qc,U	1	<12.1	<123	<12.1	µg/Kg	1	12.1	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<10.1	<123	<10.1	µg/Kg	1	10.1	100	8.2
2-Hexanone	Qc,U	1	<10.8	<123	<10.8	µg/Kg	1	10.8	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<6.07	<246	<6.07	µg/Kg	1	6.07	200	4.93
1,1-Dichloroethene	U	1	<7.13	<24.6	<7.13	µg/Kg	1	7.13	20	5.79
Methylene chloride	JB	1	**23.9**	<123	17.0	µg/Kg	1	8.53	100	6.93
MTBE	U	1	<5.05	<24.6	<5.05	µg/Kg	1	5.05	20	4.1
trans-1,2-Dichloroethene	U	1	<7.75	<24.6	<7.75	µg/Kg	1	7.75	20	6.29
1,1-Dichloroethane	U	1	<6.86	<24.6	<6.86	µg/Kg	1	6.86	20	5.57
cis-1,2-Dichloroethene	U	1	<6.48	<24.6	<6.48	µg/Kg	1	6.48	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.93	<24.6	<6.93	µg/Kg	1	6.93	20	5.63
1,2-Dichloroethane (EDC)	U	1	<6.34	<24.6	<6.34	µg/Kg	1	6.34	20	5.15
Chloroform	U	1	<5.12	<24.6	<5.12	µg/Kg	1	5.12	20	4.16
1,1,1-Trichloroethane	U	1	<7.68	<24.6	<7.68	µg/Kg	1	7.68	20	6.24
1,1-Dichloropropene	U	1	<7.28	<24.6	<7.28	µg/Kg	1	7.28	20	5.91
Benzene	U	1	<7.48	<24.6	<7.48	µg/Kg	1	7.48	20	6.07
Carbon Tetrachloride	U	1	<6.29	<24.6	<6.29	µg/Kg	1	6.29	20	5.11
1,2-Dichloropropane	U	1	<7.04	<24.6	<7.04	µg/Kg	1	7.04	20	5.72
Trichloroethene (TCE)	U	1	<7.72	<24.6	<7.72	µg/Kg	1	7.72	20	6.27
Dibromomethane (methylene bromide)	U	1	<5.26	<24.6	<5.26	µg/Kg	1	5.26	20	4.27
Bromodichloromethane	U	1	<9.42	<24.6	<9.42	µg/Kg	1	9.42	20	7.65
2-Chloroethyl vinyl ether	Qc,U	1	<6.49	<24.6	<6.49	µg/Kg	1	6.49	20	5.27

continued ...

sample 275019 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
cis-1,3-Dichloropropene	U	1	<6.82	<24.6	<6.82	µg/Kg	1	6.82	20	5.54
trans-1,3-Dichloropropene	U	1	<5.12	<24.6	<5.12	µg/Kg	1	5.12	20	4.16
Toluene	U	1	<9.14	<24.6	<9.14	µg/Kg	1	9.14	20	7.42
1,1,2-Trichloroethane	U	1	<7.80	<24.6	<7.80	µg/Kg	1	7.80	20	6.33
1,3-Dichloropropane	U	1	<7.57	<24.6	<7.57	µg/Kg	1	7.57	20	6.15
Dibromochloromethane	U	1	<8.16	<24.6	<8.16	µg/Kg	1	8.16	20	6.63
1,2-Dibromoethane (EDB)	U	1	<7.52	<24.6	<7.52	µg/Kg	1	7.52	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<15.6	<24.6	<15.6	µg/Kg	1	15.6	20	12.7
Chlorobenzene	U	1	<9.64	<24.6	<9.64	µg/Kg	1	9.64	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.80	<24.6	<5.80	µg/Kg	1	5.80	20	4.71
Ethylbenzene	U	1	<9.48	<24.6	<9.48	µg/Kg	1	9.48	20	7.7
m,p-Xylene	U	1	<18.1	<24.6	<18.1	µg/Kg	1	18.1	20	14.7
Bromoform	U	1	<6.96	<24.6	<6.96	µg/Kg	1	6.96	20	5.65
Styrene	U	1	<9.72	<24.6	<9.72	µg/Kg	1	9.72	20	7.89
o-Xylene	U	1	<9.75	<24.6	<9.75	µg/Kg	1	9.75	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<6.34	<24.6	<6.34	µg/Kg	1	6.34	20	5.15
2-Chlorotoluene	U	1	<10.1	<24.6	<10.1	µg/Kg	1	10.1	20	8.18
1,2,3-Trichloropropane	U	1	<9.50	<24.6	<9.50	µg/Kg	1	9.50	20	7.71
Isopropylbenzene	Qc,U	1	<11.2	<24.6	<11.2	µg/Kg	1	11.2	20	9.13
Bromobenzene	U	1	<8.28	<24.6	<8.28	µg/Kg	1	8.28	20	6.72
n-Propylbenzene	U	1	<9.32	<24.6	<9.32	µg/Kg	1	9.32	20	7.57
1,3,5-Trimethylbenzene	U	1	<10.6	<24.6	<10.6	µg/Kg	1	10.6	20	8.63
tert-Butylbenzene	Qc,U	1	<9.91	<24.6	<9.91	µg/Kg	1	9.91	20	8.05
1,2,4-Trimethylbenzene	U	1	<9.64	<24.6	<9.64	µg/Kg	1	9.64	20	7.83
1,4-Dichlorobenzene (para)	U	1	<10.8	<24.6	<10.8	µg/Kg	1	10.8	20	8.73
sec-Butylbenzene	U	1	<8.95	<24.6	<8.95	µg/Kg	1	8.95	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.79	<24.6	<8.79	µg/Kg	1	8.79	20	7.14
p-Isopropyltoluene	U		<7.72	<24.6	<7.72	µg/Kg	1	7.72	20	6.27
4-Chlorotoluene	U	1	<11.5	<24.6	<11.5	µg/Kg	1	11.5	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<11.2	<24.6	<11.2	µg/Kg	1	11.2	20	9.1
n-Butylbenzene	U	1	<8.98	<24.6	9.25	µg/Kg	1	8.98	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<9.37	<123	<9.37	µg/Kg	1	9.37	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<9.01	<123	26.8	µg/Kg	1	9.01	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<8.20	<123	16.7	µg/Kg	1	8.20	100	6.66
Naphthalene	Qc,U	1	<9.43	<123	64.5	µg/Kg	1	9.43	100	7.66
Hexachlorobutadiene	U	1	<15.1	<123	47.7	µg/Kg	1	15.1	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			918	µg/Kg	1	1000	92	70 - 130
Toluene-d8			986	µg/Kg	1	1000	99	70 - 130
4-Bromofluorobenzene (4-BFB)			884	µg/Kg	1	1000	88	70 - 130

Sample: 275020 - SS-07

Laboratory: Lubbock
Analysis: Moisture Content | Analytical Method: ASTM D 2216-05 | Prep Method: N/A
QC Batch: 84116 | Date Analyzed: 2011-08-22 | Analyzed By: CR
Prep Batch: 71423 | Sample Preparation: 2011-08-22 | Prepared By: CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	12.2	%	1	

Sample: 275020 - SS-07

Laboratory: Lubbock
Analysis: PCB | Analytical Method: S 8082A | Prep Method: S 3550
QC Batch: 84229 | Date Analyzed: 2011-08-24 | Analyzed By: DS
Prep Batch: 71517 | Sample Preparation: 2011-08-24 | Prepared By: DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB		1	**0.00361**	**0.00361**	<0.00131	mg/Kg	1	0.00131	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00137	<0.00190	<0.00137	mg/Kg	1	0.00137	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00146	<0.00190	<0.00146	mg/Kg	1	0.00146	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00164	<0.00190	<0.00164	mg/Kg	1	0.00164	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00171	<0.00190	<0.00171	mg/Kg	1	0.00171	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00131	<0.00190	<0.00131	mg/Kg	1	0.00131	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00150	<0.00190	<0.00150	mg/Kg	1	0.00150	0.00167	0.00132
Aroclor 1260 (PCB-1260)		1	**0.00361**	**0.00361**	<0.00138	mg/Kg	1	0.00138	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00159	<0.00190	<0.00159	mg/Kg	1	0.00159	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0139	mg/Kg	1	0.0167	83	58.7 - 121

Sample: 275020 - SS-07

Laboratory: Lubbock
Analysis: Semivolatiles TRRP | Analytical Method: S 8270D | Prep Method: S 3550
QC Batch: 84212 | Date Analyzed: 2011-08-24 | Analyzed By: MN
Prep Batch: 71499 | Sample Preparation: 2011-08-23 | Prepared By: MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0410	<0.285	<0.0410	mg/Kg	1	0.0410	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0755	<0.285	<0.0755	mg/Kg	1	0.0755	0.25	0.0663
2-Picoline	U	1	<0.0642	<0.285	<0.0642	mg/Kg	1	0.0642	0.25	0.0564

continued . . .

sample 275020 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0589	<0.285	<0.0589	mg/Kg	1	0.0589	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0642	<0.285	<0.0642	mg/Kg	1	0.0642	0.25	0.0564
Phenol	Qc,U	1	<0.0501	<0.285	<0.0501	mg/Kg	1	0.0501	0.25	0.044
Aniline	U	1	<0.0593	<0.285	<0.0593	mg/Kg	1	0.0593	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0548	<0.285	<0.0548	mg/Kg	1	0.0548	0.25	0.0481
2-Chlorophenol	U	1	<0.0510	<0.285	<0.0510	mg/Kg	1	0.0510	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0391	<0.285	<0.0391	mg/Kg	1	0.0391	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0327	<0.285	<0.0327	mg/Kg	1	0.0327	0.25	0.0287
Benzyl alcohol	U	1	<0.0289	<0.285	<0.0289	mg/Kg	1	0.0289	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0664	<0.285	<0.0664	mg/Kg	1	0.0664	0.25	0.0583
2-Methylphenol	U	1	<0.0410	<0.285	<0.0410	mg/Kg	1	0.0410	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0614	<0.285	<0.0614	mg/Kg	1	0.0614	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0667	<0.285	<0.0667	mg/Kg	1	0.0667	0.25	0.0586
Acetophenone	U	1	<0.0386	<0.285	<0.0386	mg/Kg	1	0.0386	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0602	<0.285	<0.0602	mg/Kg	1	0.0602	0.25	0.0529
Hexachloroethane	U	1	<0.0599	<0.285	<0.0599	mg/Kg	1	0.0599	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0472	<0.285	<0.0472	mg/Kg	1	0.0472	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0548	<0.285	<0.0548	mg/Kg	1	0.0548	0.25	0.0481
Isophorone	U	1	<0.0615	<0.285	<0.0615	mg/Kg	1	0.0615	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0536	<0.285	<0.0536	mg/Kg	1	0.0536	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0453	<0.285	<0.0453	mg/Kg	1	0.0453	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0585	<0.285	<0.0585	mg/Kg	1	0.0585	0.25	0.0514
Benzoic acid	Qc,U	1	<0.0453	<0.285	<0.0453	mg/Kg	1	0.0453	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0353	<0.285	<0.0353	mg/Kg	1	0.0353	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0385	<0.285	<0.0385	mg/Kg	1	0.0385	0.25	0.0338
Naphthalene	Qs,U	1	<0.0618	<0.285	<0.0618	mg/Kg	1	0.0618	0.25	0.0543
4-Chloroaniline	U	1	<0.0467	<0.285	<0.0467	mg/Kg	1	0.0467	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0400	<0.285	<0.0400	mg/Kg	1	0.0400	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0442	<0.285	<0.0442	mg/Kg	1	0.0442	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0625	<0.285	<0.0625	mg/Kg	1	0.0625	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0303	<0.285	<0.0303	mg/Kg	1	0.0303	0.25	0.0266
1-Methylnaphthalene	U		<0.0599	<0.285	<0.0599	mg/Kg	1	0.0599	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0549	<0.285	<0.0549	mg/Kg	1	0.0549	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0441	<0.285	<0.0441	mg/Kg	1	0.0441	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.111	<0.285	<0.111	mg/Kg	1	0.111	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0506	<0.285	<0.0506	mg/Kg	1	0.0506	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0642	<0.285	<0.0642	mg/Kg	1	0.0642	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0536	<0.285	<0.0536	mg/Kg	1	0.0536	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0671	<0.285	<0.0671	mg/Kg	1	0.0671	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0467	<0.285	<0.0467	mg/Kg	1	0.0467	0.25	0.041
Dimethylphthalate	U	1	<0.0706	<0.285	<0.0706	mg/Kg	1	0.0706	0.25	0.062
Acenaphthylene	U	1	<0.0632	<0.285	<0.0632	mg/Kg	1	0.0632	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0633	<0.285	<0.0633	mg/Kg	1	0.0633	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.0530	<0.285	<0.0530	mg/Kg	1	0.0530	0.25	0.0465
Acenaphthene	Qs,U	1	<0.0636	<0.285	<0.0636	mg/Kg	1	0.0636	0.25	0.0558

continued . . .

sample 275020 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.0951	<0.285	<0.0951	mg/Kg	1	0.0951	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0504	<0.285	<0.0504	mg/Kg	1	0.0504	0.25	0.0443
Pentachlorobenzene	U	1	<0.0547	<0.285	<0.0547	mg/Kg	1	0.0547	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0252	<0.285	<0.0252	mg/Kg	1	0.0252	0.25	0.0221
1-Naphthylamine	U	1	<0.0391	<0.285	<0.0391	mg/Kg	1	0.0391	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0719	<0.285	<0.0719	mg/Kg	1	0.0719	0.25	0.0631
2-Naphthylamine	U	1	<0.0574	<0.285	<0.0574	mg/Kg	1	0.0574	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0240	<0.285	<0.0240	mg/Kg	1	0.0240	0.25	0.0211
Fluorene	Qs,U	1	<0.0710	<0.285	<0.0710	mg/Kg	1	0.0710	0.25	0.0623
Diethylphthalate	U	1	<0.0618	<0.285	<0.0618	mg/Kg	1	0.0618	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0535	<0.285	<0.0535	mg/Kg	1	0.0535	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.118	<0.285	<0.118	mg/Kg	1	0.118	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.0996	<0.285	<0.0996	mg/Kg	1	0.0996	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0642	<0.285	<0.0642	mg/Kg	1	0.0642	0.25	0.0564
Diphenylhydrazine	U		<0.0733	<0.285	<0.0733	mg/Kg	1	0.0733	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0583	<0.285	<0.0583	mg/Kg	1	0.0583	0.25	0.0512
Phenacetin	U	1	<0.0594	<0.285	<0.0594	mg/Kg	1	0.0594	0.25	0.0522
Hexachlorobenzene	U	1	<0.0508	<0.285	<0.0508	mg/Kg	1	0.0508	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0401	<0.285	<0.0401	mg/Kg	1	0.0401	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0660	<0.285	<0.0660	mg/Kg	1	0.0660	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0394	<0.285	<0.0394	mg/Kg	1	0.0394	0.25	0.0346
Pronamide	Qc,U	1	<0.0660	<0.285	<0.0660	mg/Kg	1	0.0660	0.25	0.058
Phenanthrene	Qs,U	1	<0.0610	<0.285	<0.0610	mg/Kg	1	0.0610	0.25	0.0536
Anthracene	Qs,U	1	<0.0411	<0.285	<0.0411	mg/Kg	1	0.0411	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0602	<0.285	<0.0602	mg/Kg	1	0.0602	0.25	0.0529
Fluoranthene	Qc,Qs,U	1	<0.0388	<0.285	<0.0388	mg/Kg	1	0.0388	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0781	<0.285	<0.0781	mg/Kg	1	0.0781	0.25	0.0686
Pyrene	Qs,U	1	<0.0444	<0.285	<0.0444	mg/Kg	1	0.0444	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0598	<0.285	<0.0598	mg/Kg	1	0.0598	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0782	<0.285	<0.0782	mg/Kg	1	0.0782	0.25	0.0687
Benzo(a)anthracene	Qs,U	1	<0.0424	<0.285	<0.0424	mg/Kg	1	0.0424	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0558	<0.285	<0.0558	mg/Kg	1	0.0558	0.25	0.049
Chrysene	Qs,U	1	<0.0567	<0.285	<0.0567	mg/Kg	1	0.0567	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0803	<0.285	<0.0803	mg/Kg	1	0.0803	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0774	<0.285	<0.0774	mg/Kg	1	0.0774	0.25	0.068
Benzo(b)fluoranthene	Qs,U	1	<0.0435	<0.285	<0.0435	mg/Kg	1	0.0435	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0335	<0.285	<0.0335	mg/Kg	1	0.0335	0.25	0.0294
Benzo(k)fluoranthene	Qs,U	1	<0.0534	<0.285	<0.0534	mg/Kg	1	0.0534	0.25	0.0469
Benzo(a)pyrene	Qs,U	1	<0.0507	<0.285	<0.0507	mg/Kg	1	0.0507	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0367	<0.285	<0.0367	mg/Kg	1	0.0367	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0736	<0.285	<0.0736	mg/Kg	1	0.0736	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs,U	1	<0.0490	<0.285	<0.0490	mg/Kg	1	0.0490	0.25	0.043
Dibenzo(a,h)anthracene	U	1	<0.0538	<0.285	<0.0538	mg/Kg	1	0.0538	0.25	0.0472
Benzo(g,h,i)perylene	Qs,U	1	<0.0479	<0.285	<0.0479	mg/Kg	1	0.0479	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.702	mg/Kg	1	2.67	26	10 - 88
Phenol-d5			0.928	mg/Kg	1	2.67	35	10 - 100
Nitrobenzene-d5			1.04	mg/Kg	1	2.67	39	10 - 89.7
2-Fluorobiphenyl			0.972	mg/Kg	1	2.67	36	13 - 93
2,4,6-Tribromophenol			2.32	mg/Kg	1	2.67	87	10 - 99.4
Terphenyl-d14			1.81	mg/Kg	1	2.67	68	38.9 - 94.4

Sample: 275020 - SS-07

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84256	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0420	<0.569	<0.0420	mg/Kg	1	0.0420	0.5	0.0369
Total Arsenic	U	1	<0.312	<2.28	<0.312	mg/Kg	1	0.312	2	0.274
Total Barium		1	**93.2**	**93.2**	<0.260	mg/Kg	1	0.260	1	0.228
Total Cadmium	U	1	<0.0636	<0.569	<0.0636	mg/Kg	1	0.0636	0.5	0.0558
Total Chromium		1	**9.54**	**9.54**	<0.153	mg/Kg	1	0.153	0.5	0.134
Total Mercury	J	1	**0.0241**	<0.0285	<0.00226	mg/Kg	1	0.00226	0.025	0.00198
Total Lead		1	**38.8**	**38.8**	<0.223	mg/Kg	1	0.223	1	0.196
Total Selenium	U	1	<0.241	<2.28	<0.241	mg/Kg	1	0.241	2	0.212

Sample: 275020 - SS-07

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.7	<56.9	<14.7	mg/Kg	1	14.7	50	12.9
>C12-C28	U	1	<12.8	<56.9	<12.8	mg/Kg	1	12.8	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			100	mg/Kg	1	100	100	55.1 - 140
n-Tricosane			93.1	mg/Kg	1	100	93	65.2 - 142
n-Triacontane			108	mg/Kg	1	100	108	68.8 - 145

Sample: 275020 - SS-07

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.20	<22.8	<7.20	µg/Kg	1	7.20	20	6.32
Dichlorodifluoromethane	Qr,U	1	<16.8	<22.8	<16.8	µg/Kg	1	16.8	20	14.8
Chloromethane (methyl chloride)	U	1	<5.36	<22.8	<5.36	µg/Kg	1	5.36	20	4.71
Vinyl Chloride	U	1	<15.3	<22.8	<15.3	µg/Kg	1	15.3	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.23	<114	<7.23	µg/Kg	1	7.23	100	6.35
Chloroethane	Qr,U	1	<10.8	<22.8	<10.8	µg/Kg	1	10.8	20	9.44
Trichlorofluoromethane	Qr,U	1	<16.5	<22.8	<16.5	µg/Kg	1	16.5	20	14.5
Acetone	Qc,U	1	<20.3	<228	<20.3	µg/Kg	1	20.3	200	17.8
Iodomethane (methyl iodide)	U	1	<6.16	<114	<6.16	µg/Kg	1	6.16	100	5.41
Carbon Disulfide	U	1	<6.09	<22.8	<6.09	µg/Kg	1	6.09	20	5.35
Acrylonitrile	Qc,U	1	<4.72	<22.8	<4.72	µg/Kg	1	4.72	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.2	<114	<11.2	µg/Kg	1	11.2	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.34	<114	<9.34	µg/Kg	1	9.34	100	8.2
2-Hexanone	Qc,U	1	<9.98	<114	<9.98	µg/Kg	1	9.98	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.62	<228	<5.62	µg/Kg	1	5.62	200	4.93
1,1-Dichloroethene	U	1	<6.59	<22.8	<6.59	µg/Kg	1	6.59	20	5.79
Methylene chloride	JB	1	**21.9**	<114	15.7	µg/Kg	1	7.89	100	6.93
MTBE	U	1	<4.67	<22.8	<4.67	µg/Kg	1	4.67	20	4.1
trans-1,2-Dichloroethene	U	1	<7.16	<22.8	<7.16	µg/Kg	1	7.16	20	6.29
1,1-Dichloroethane	U	1	<6.34	<22.8	<6.34	µg/Kg	1	6.34	20	5.57
cis-1,2-Dichloroethene	U	1	<5.99	<22.8	<5.99	µg/Kg	1	5.99	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.41	<22.8	<6.41	µg/Kg	1	6.41	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.86	<22.8	<5.86	µg/Kg	1	5.86	20	5.15
Chloroform	U	1	<4.74	<22.8	<4.74	µg/Kg	1	4.74	20	4.16
1,1,1-Trichloroethane	U	1	<7.11	<22.8	<7.11	µg/Kg	1	7.11	20	6.24
1,1-Dichloropropene	U	1	<6.73	<22.8	<6.73	µg/Kg	1	6.73	20	5.91
Benzene	U	1	<6.91	<22.8	<6.91	µg/Kg	1	6.91	20	6.07
Carbon Tetrachloride	U	1	<5.82	<22.8	<5.82	µg/Kg	1	5.82	20	5.11
1,2-Dichloropropane	U	1	<6.51	<22.8	<6.51	µg/Kg	1	6.51	20	5.72
Trichloroethene (TCE)	U	1	<7.14	<22.8	<7.14	µg/Kg	1	7.14	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.86	<22.8	<4.86	µg/Kg	1	4.86	20	4.27
Bromodichloromethane	U	1	<8.71	<22.8	<8.71	µg/Kg	1	8.71	20	7.65
2-Chloroethyl vinyl ether	Qc,U	1	<6.00	<22.8	<6.00	µg/Kg	1	6.00	20	5.27

continued ...

sample 275020 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
cis-1,3-Dichloropropene	U	1	<6.31	<22.8	<6.31	µg/Kg	1	6.31	20	5.54
trans-1,3-Dichloropropene	U	1	<4.74	<22.8	<4.74	µg/Kg	1	4.74	20	4.16
Toluene	U	1	<8.45	<22.8	<8.45	µg/Kg	1	8.45	20	7.42
1,1,2-Trichloroethane	U	1	<7.21	<22.8	<7.21	µg/Kg	1	7.21	20	6.33
1,3-Dichloropropane	U	1	<7.00	<22.8	<7.00	µg/Kg	1	7.00	20	6.15
Dibromochloromethane	U	1	<7.55	<22.8	<7.55	µg/Kg	1	7.55	20	6.63
1,2-Dibromoethane (EDB)	U	1	<6.96	<22.8	<6.96	µg/Kg	1	6.96	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.5	<22.8	<14.5	µg/Kg	1	14.5	20	12.7
Chlorobenzene	U	1	<8.92	<22.8	<8.92	µg/Kg	1	8.92	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.36	<22.8	<5.36	µg/Kg	1	5.36	20	4.71
Ethylbenzene	U	1	<8.77	<22.8	<8.77	µg/Kg	1	8.77	20	7.7
m,p-Xylene	U	1	<16.7	<22.8	<16.7	µg/Kg	1	16.7	20	14.7
Bromoform	U	1	<6.44	<22.8	<6.44	µg/Kg	1	6.44	20	5.65
Styrene	U	1	<8.99	<22.8	<8.99	µg/Kg	1	8.99	20	7.89
o-Xylene	U	1	<9.02	<22.8	<9.02	µg/Kg	1	9.02	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.86	<22.8	<5.86	µg/Kg	1	5.86	20	5.15
2-Chlorotoluene	U	1	<9.32	<22.8	<9.32	µg/Kg	1	9.32	20	8.18
1,2,3-Trichloropropane	U	1	<8.78	<22.8	<8.78	µg/Kg	1	8.78	20	7.71
Isopropylbenzene	Qc,U	1	<10.4	<22.8	<10.4	µg/Kg	1	10.4	20	9.13
Bromobenzene	U	1	<7.65	<22.8	<7.65	µg/Kg	1	7.65	20	6.72
n-Propylbenzene	U	1	<8.62	<22.8	<8.62	µg/Kg	1	8.62	20	7.57
1,3,5-Trimethylbenzene	U	1	<9.83	<22.8	<9.83	µg/Kg	1	9.83	20	8.63
tert-Butylbenzene	Qc,U	1	<9.17	<22.8	<9.17	µg/Kg	1	9.17	20	8.05
1,2,4-Trimethylbenzene	U	1	<8.92	<22.8	<8.92	µg/Kg	1	8.92	20	7.83
1,4-Dichlorobenzene (para)	U	1	<9.94	<22.8	<9.94	µg/Kg	1	9.94	20	8.73
sec-Butylbenzene	U	1	<8.28	<22.8	<8.28	µg/Kg	1	8.28	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.13	<22.8	<8.13	µg/Kg	1	8.13	20	7.14
p-Isopropyltoluene	U		<7.14	<22.8	<7.14	µg/Kg	1	7.14	20	6.27
4-Chlorotoluene	U	1	<10.6	<22.8	<10.6	µg/Kg	1	10.6	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.4	<22.8	<10.4	µg/Kg	1	10.4	20	9.1
n-Butylbenzene	U	1	<8.30	<22.8	8.55	µg/Kg	1	8.30	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.67	<114	<8.67	µg/Kg	1	8.67	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.34	<114	24.8	µg/Kg	1	8.34	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.58	<114	15.5	µg/Kg	1	7.58	100	6.66
Naphthalene	Qc,U	1	<8.72	<114	59.7	µg/Kg	1	8.72	100	7.66
Hexachlorobutadiene	U	1	<14.0	<114	44.1	µg/Kg	1	14.0	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			902	µg/Kg	1	1000	90	70 - 130
Toluene-d8			977	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			869	µg/Kg	1	1000	87	70 - 130

Sample: 275021 - SS-08

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84116	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71423	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	21.5	%	1	

Sample: 275021 - SS-08

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84229	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB		1	**0.0915**	**0.0915**	<0.0146	mg/Kg	10	0.0146	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.0153	<0.0213	<0.0153	mg/Kg	10	0.0153	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.0163	<0.0213	<0.0163	mg/Kg	10	0.0163	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.0183	<0.0213	<0.0183	mg/Kg	10	0.0183	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.0191	<0.0213	<0.0191	mg/Kg	10	0.0191	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.0146	<0.0213	<0.0146	mg/Kg	10	0.0146	0.00167	0.00115
Aroclor 1254 (PCB-1254)		1	**0.0915**	**0.0915**	<0.0168	mg/Kg	10	0.0168	0.00167	0.00132
Aroclor 1260 (PCB-1260)	U	1	<0.0154	<0.0213	<0.0154	mg/Kg	10	0.0154	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.0178	<0.0213	<0.0178	mg/Kg	10	0.0178	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0193	mg/Kg	10	0.0167	116	58.7 - 121

Sample: 275021 - SS-08

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0458	<0.318	<0.0458	mg/Kg	1	0.0458	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0844	<0.318	<0.0844	mg/Kg	1	0.0844	0.25	0.0663
2-Picoline	U	1	<0.0718	<0.318	<0.0718	mg/Kg	1	0.0718	0.25	0.0564

continued . . .

sample 275021 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0658	<0.318	<0.0658	mg/Kg	1	0.0658	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0718	<0.318	<0.0718	mg/Kg	1	0.0718	0.25	0.0564
Phenol	Qc,U	1	<0.0560	<0.318	<0.0560	mg/Kg	1	0.0560	0.25	0.044
Aniline	U	1	<0.0664	<0.318	<0.0664	mg/Kg	1	0.0664	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0613	<0.318	<0.0613	mg/Kg	1	0.0613	0.25	0.0481
2-Chlorophenol	U	1	<0.0571	<0.318	<0.0571	mg/Kg	1	0.0571	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0437	<0.318	<0.0437	mg/Kg	1	0.0437	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0366	<0.318	<0.0366	mg/Kg	1	0.0366	0.25	0.0287
Benzyl alcohol	U	1	<0.0324	<0.318	<0.0324	mg/Kg	1	0.0324	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0743	<0.318	<0.0743	mg/Kg	1	0.0743	0.25	0.0583
2-Methylphenol	U	1	<0.0458	<0.318	<0.0458	mg/Kg	1	0.0458	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0687	<0.318	<0.0687	mg/Kg	1	0.0687	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0746	<0.318	<0.0746	mg/Kg	1	0.0746	0.25	0.0586
Acetophenone	U	1	<0.0432	<0.318	<0.0432	mg/Kg	1	0.0432	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0674	<0.318	<0.0674	mg/Kg	1	0.0674	0.25	0.0529
Hexachloroethane	U	1	<0.0670	<0.318	<0.0670	mg/Kg	1	0.0670	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0527	<0.318	<0.0527	mg/Kg	1	0.0527	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0613	<0.318	<0.0613	mg/Kg	1	0.0613	0.25	0.0481
Isophorone	U	1	<0.0688	<0.318	<0.0688	mg/Kg	1	0.0688	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0600	<0.318	<0.0600	mg/Kg	1	0.0600	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0507	<0.318	<0.0507	mg/Kg	1	0.0507	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0655	<0.318	<0.0655	mg/Kg	1	0.0655	0.25	0.0514
Benzoic acid	Qc	1	**0.582**	**0.582**	<0.0507	mg/Kg	1	0.0507	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0395	<0.318	<0.0395	mg/Kg	1	0.0395	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0430	<0.318	<0.0430	mg/Kg	1	0.0430	0.25	0.0338
Naphthalene	J,Qs	1	**0.294**	<0.318	<0.0692	mg/Kg	1	0.0692	0.25	0.0543
4-Chloroaniline	U	1	<0.0522	<0.318	<0.0522	mg/Kg	1	0.0522	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0447	<0.318	<0.0447	mg/Kg	1	0.0447	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0494	<0.318	<0.0494	mg/Kg	1	0.0494	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0699	<0.318	<0.0699	mg/Kg	1	0.0699	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0339	<0.318	<0.0339	mg/Kg	1	0.0339	0.25	0.0266
1-Methylnaphthalene	U		<0.0670	<0.318	<0.0670	mg/Kg	1	0.0670	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0614	<0.318	<0.0614	mg/Kg	1	0.0614	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0493	<0.318	<0.0493	mg/Kg	1	0.0493	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.124	<0.318	<0.124	mg/Kg	1	0.124	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0566	<0.318	<0.0566	mg/Kg	1	0.0566	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0718	<0.318	<0.0718	mg/Kg	1	0.0718	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0600	<0.318	<0.0600	mg/Kg	1	0.0600	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0750	<0.318	<0.0750	mg/Kg	1	0.0750	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0522	<0.318	<0.0522	mg/Kg	1	0.0522	0.25	0.041
Dimethylphthalate	U	1	<0.0790	<0.318	<0.0790	mg/Kg	1	0.0790	0.25	0.062
Acenaphthylene	J	1	**0.265**	<0.318	<0.0707	mg/Kg	1	0.0707	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0708	<0.318	<0.0708	mg/Kg	1	0.0708	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.0592	<0.318	<0.0592	mg/Kg	1	0.0592	0.25	0.0465
Acenaphthene	Qs	1	**0.381**	**0.381**	<0.0711	mg/Kg	1	0.0711	0.25	0.0558

continued . . .

sample 275021 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.106	<0.318	<0.106	mg/Kg	1	0.106	0.25	0.0835
Dibenzofuran	J,Qs	1	**0.317**	<0.318	<0.0564	mg/Kg	1	0.0564	0.25	0.0443
Pentachlorobenzene	U	1	<0.0611	<0.318	<0.0611	mg/Kg	1	0.0611	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0282	<0.318	<0.0282	mg/Kg	1	0.0282	0.25	0.0221
1-Naphthylamine	U	1	<0.0437	<0.318	<0.0437	mg/Kg	1	0.0437	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0804	<0.318	<0.0804	mg/Kg	1	0.0804	0.25	0.0631
2-Naphthylamine	U	1	<0.0642	<0.318	<0.0642	mg/Kg	1	0.0642	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0269	<0.318	<0.0269	mg/Kg	1	0.0269	0.25	0.0211
Fluorene	Qs	1	**0.394**	**0.394**	<0.0794	mg/Kg	1	0.0794	0.25	0.0623
Diethylphthalate	U	1	<0.0692	<0.318	<0.0692	mg/Kg	1	0.0692	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0599	<0.318	<0.0599	mg/Kg	1	0.0599	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.132	<0.318	<0.132	mg/Kg	1	0.132	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.111	<0.318	<0.111	mg/Kg	1	0.111	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0718	<0.318	<0.0718	mg/Kg	1	0.0718	0.25	0.0564
Diphenylhydrazine	U		<0.0820	<0.318	<0.0820	mg/Kg	1	0.0820	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0652	<0.318	<0.0652	mg/Kg	1	0.0652	0.25	0.0512
Phenacetin	U	1	<0.0665	<0.318	<0.0665	mg/Kg	1	0.0665	0.25	0.0522
Hexachlorobenzene	U	1	<0.0568	<0.318	<0.0568	mg/Kg	1	0.0568	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0448	<0.318	<0.0448	mg/Kg	1	0.0448	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0739	<0.318	<0.0739	mg/Kg	1	0.0739	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0441	<0.318	<0.0441	mg/Kg	1	0.0441	0.25	0.0346
Pronamide	Qc,U	1	<0.0739	<0.318	<0.0739	mg/Kg	1	0.0739	0.25	0.058
Phenanthrene	J,Qs	1	**5.74**	**5.74**	<0.0683	mg/Kg	1	0.0683	0.25	0.0536
Anthracene	Qs	1	**0.971**	**0.971**	<0.0460	mg/Kg	1	0.0460	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0674	<0.318	<0.0674	mg/Kg	1	0.0674	0.25	0.0529
Fluoranthene	J,Qc,Qs	1	**7.24**	**7.24**	<0.0434	mg/Kg	1	0.0434	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0874	<0.318	<0.0874	mg/Kg	1	0.0874	0.25	0.0686
Pyrene	J,Qs	1	**7.62**	**7.62**	<0.0497	mg/Kg	1	0.0497	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0669	<0.318	<0.0669	mg/Kg	1	0.0669	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0875	<0.318	<0.0875	mg/Kg	1	0.0875	0.25	0.0687
Benzo(a)anthracene	Qs	1	**3.57**	**3.57**	<0.0474	mg/Kg	1	0.0474	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0624	<0.318	<0.0624	mg/Kg	1	0.0624	0.25	0.049
Chrysene	J,Qs	1	**5.92**	**5.92**	<0.0634	mg/Kg	1	0.0634	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0898	<0.318	<0.0898	mg/Kg	1	0.0898	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0866	<0.318	<0.0866	mg/Kg	1	0.0866	0.25	0.068
Benzo(b)fluoranthene	J,Qs	1	**4.46**	**4.46**	<0.0487	mg/Kg	1	0.0487	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0374	<0.318	<0.0374	mg/Kg	1	0.0374	0.25	0.0294
Benzo(k)fluoranthene	Qs	1	**1.90**	**1.90**	<0.0597	mg/Kg	1	0.0597	0.25	0.0469
Benzo(a)pyrene	Qs	1	**3.18**	**3.18**	<0.0567	mg/Kg	1	0.0567	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0410	<0.318	<0.0410	mg/Kg	1	0.0410	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0823	<0.318	<0.0823	mg/Kg	1	0.0823	0.25	0.0646
Indeno(1,2,3-cd)pyrene	Qs	1	**2.44**	**2.44**	<0.0548	mg/Kg	1	0.0548	0.25	0.043
Dibenzo(a,h)anthracene		1	**0.878**	**0.878**	<0.0601	mg/Kg	1	0.0601	0.25	0.0472
Benzo(g,h,i)perylene	Qs	1	**2.43**	**2.43**	<0.0536	mg/Kg	1	0.0536	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.867	mg/Kg	1	2.67	32	10 - 88
Phenol-d5			1.15	mg/Kg	1	2.67	43	10 - 100
Nitrobenzene-d5			1.35	mg/Kg	1	2.67	50	10 - 89.7
2-Fluorobiphenyl			1.14	mg/Kg	1	2.67	43	13 - 93
2,4,6-Tribromophenol			2.06	mg/Kg	1	2.67	77	10 - 99.4
Terphenyl-d14			1.54	mg/Kg	1	2.67	58	38.9 - 94.4

Sample: 275021 - SS-08

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84256	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0470	<0.637	<0.0470	mg/Kg	1	0.0470	0.5	0.0369
Total Arsenic	U	1	<0.349	<2.55	<0.349	mg/Kg	1	0.349	2	0.274
Total Barium		1	**116**	**116**	<0.290	mg/Kg	1	0.290	1	0.228
Total Cadmium		1	**3.91**	**3.91**	<0.0711	mg/Kg	1	0.0711	0.5	0.0558
Total Chromium		1	**14.3**	**14.3**	<0.171	mg/Kg	1	0.171	0.5	0.134
Total Mercury		1	**0.0499**	**0.0499**	<0.00252	mg/Kg	1	0.00252	0.025	0.00198
Total Lead		1	**354**	**354**	<2.50	mg/Kg	10	2.50	1	0.196
Total Selenium	U	1	<0.270	<2.55	<0.270	mg/Kg	1	0.270	2	0.212

Sample: 275021 - SS-08

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<16.4	<63.7	<16.4	mg/Kg	1	16.4	50	12.9
>C12-C28	U	1	<14.3	<63.7	<14.3	mg/Kg	1	14.3	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			103	mg/Kg	1	100	103	55.1 - 140
n-Tricosane			96.0	mg/Kg	1	100	96	65.2 - 142
n-Triacontane			110	mg/Kg	1	100	110	68.8 - 145

Sample: 275021 - SS-08

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<8.05	<25.5	<8.05	µg/Kg	1	8.05	20	6.32
Dichlorodifluoromethane	Qr,U	1	<18.8	<25.5	<18.8	µg/Kg	1	18.8	20	14.8
Chloromethane (methyl chloride)	U	1	<6.00	<25.5	<6.00	µg/Kg	1	6.00	20	4.71
Vinyl Chloride	U	1	<17.1	<25.5	<17.1	µg/Kg	1	17.1	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<8.09	<127	<8.09	µg/Kg	1	8.09	100	6.35
Chloroethane	Qr,U	1	<12.0	<25.5	<12.0	µg/Kg	1	12.0	20	9.44
Trichlorofluoromethane	Qr,U	1	<18.5	<25.5	<18.5	µg/Kg	1	18.5	20	14.5
Acetone	Qc,U	1	<22.7	<255	<22.7	µg/Kg	1	22.7	200	17.8
Iodomethane (methyl iodide)	U	1	<6.89	<127	<6.89	µg/Kg	1	6.89	100	5.41
Carbon Disulfide	U	1	<6.82	<25.5	<6.82	µg/Kg	1	6.82	20	5.35
Acrylonitrile	Qc,U	1	<5.27	<25.5	<5.27	µg/Kg	1	5.27	20	4.14
2-Butanone (MEK)	Qc,U	1	<12.5	<127	<12.5	µg/Kg	1	12.5	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<10.4	<127	<10.4	µg/Kg	1	10.4	100	8.2
2-Hexanone	Qc,U	1	<11.2	<127	<11.2	µg/Kg	1	11.2	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<6.28	<255	<6.28	µg/Kg	1	6.28	200	4.93
1,1-Dichloroethene	U	1	<7.38	<25.5	<7.38	µg/Kg	1	7.38	20	5.79
Methylene chloride	JB	1	**19.0**	<127	17.6	µg/Kg	1	8.83	100	6.93
MTBE	U	1	<5.22	<25.5	<5.22	µg/Kg	1	5.22	20	4.1
trans-1,2-Dichloroethene	U	1	<8.01	<25.5	<8.01	µg/Kg	1	8.01	20	6.29
1,1-Dichloroethane	U	1	<7.10	<25.5	<7.10	µg/Kg	1	7.10	20	5.57
cis-1,2-Dichloroethene	U	1	<6.70	<25.5	<6.70	µg/Kg	1	6.70	20	5.26
2,2-Dichloropropane	Qc,U	1	<7.17	<25.5	<7.17	µg/Kg	1	7.17	20	5.63
1,2-Dichloroethane (EDC)	U	1	<6.56	<25.5	<6.56	µg/Kg	1	6.56	20	5.15
Chloroform	U	1	<5.30	<25.5	<5.30	µg/Kg	1	5.30	20	4.16
1,1,1-Trichloroethane	U	1	<7.95	<25.5	<7.95	µg/Kg	1	7.95	20	6.24
1,1-Dichloropropene	U	1	<7.53	<25.5	<7.53	µg/Kg	1	7.53	20	5.91
Benzene	U	1	<7.73	<25.5	<7.73	µg/Kg	1	7.73	20	6.07
Carbon Tetrachloride	U	1	<6.51	<25.5	<6.51	µg/Kg	1	6.51	20	5.11
1,2-Dichloropropane	U	1	<7.29	<25.5	<7.29	µg/Kg	1	7.29	20	5.72
Trichloroethene (TCE)	U	1	<7.99	<25.5	<7.99	µg/Kg	1	7.99	20	6.27
Dibromomethane (methylene bromide)	U	1	<5.44	<25.5	<5.44	µg/Kg	1	5.44	20	4.27
Bromodichloromethane	U	1	<9.74	<25.5	<9.74	µg/Kg	1	9.74	20	7.65
2-Chloroethyl vinyl ether	Qc,U	1	<6.71	<25.5	<6.71	µg/Kg	1	6.71	20	5.27

continued ...

sample 275021 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
cis-1,3-Dichloropropene	U	1	<7.06	<25.5	<7.06	µg/Kg	1	7.06	20	5.54
trans-1,3-Dichloropropene	U	1	<5.30	<25.5	<5.30	µg/Kg	1	5.30	20	4.16
Toluene	U	1	<9.45	<25.5	<9.45	µg/Kg	1	9.45	20	7.42
1,1,2-Trichloroethane	U	1	<8.06	<25.5	<8.06	µg/Kg	1	8.06	20	6.33
1,3-Dichloropropane	U	1	<7.83	<25.5	<7.83	µg/Kg	1	7.83	20	6.15
Dibromochloromethane	U	1	<8.44	<25.5	<8.44	µg/Kg	1	8.44	20	6.63
1,2-Dibromoethane (EDB)	U	1	<7.78	<25.5	<7.78	µg/Kg	1	7.78	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<16.2	<25.5	<16.2	µg/Kg	1	16.2	20	12.7
Chlorobenzene	U	1	<9.97	<25.5	<9.97	µg/Kg	1	9.97	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<6.00	<25.5	<6.00	µg/Kg	1	6.00	20	4.71
Ethylbenzene	U	1	<9.81	<25.5	<9.81	µg/Kg	1	9.81	20	7.7
m,p-Xylene	U	1	<18.7	<25.5	<18.7	µg/Kg	1	18.7	20	14.7
Bromoform	U	1	<7.20	<25.5	<7.20	µg/Kg	1	7.20	20	5.65
Styrene	U	1	<10.0	<25.5	<10.0	µg/Kg	1	10.0	20	7.89
o-Xylene	U	1	<10.1	<25.5	<10.1	µg/Kg	1	10.1	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<6.56	<25.5	<6.56	µg/Kg	1	6.56	20	5.15
2-Chlorotoluene	U	1	<10.4	<25.5	<10.4	µg/Kg	1	10.4	20	8.18
1,2,3-Trichloropropane	U	1	<9.82	<25.5	<9.82	µg/Kg	1	9.82	20	7.71
Isopropylbenzene	Qc,U	1	<11.6	<25.5	<11.6	µg/Kg	1	11.6	20	9.13
Bromobenzene	U	1	<8.56	<25.5	<8.56	µg/Kg	1	8.56	20	6.72
n-Propylbenzene	U	1	<9.64	<25.5	<9.64	µg/Kg	1	9.64	20	7.57
1,3,5-Trimethylbenzene	U	1	<11.0	<25.5	<11.0	µg/Kg	1	11.0	20	8.63
tert-Butylbenzene	Qc,U	1	<10.2	<25.5	<10.2	µg/Kg	1	10.2	20	8.05
1,2,4-Trimethylbenzene	U	1	<9.97	<25.5	<9.97	µg/Kg	1	9.97	20	7.83
1,4-Dichlorobenzene (para)	U	1	<11.1	<25.5	<11.1	µg/Kg	1	11.1	20	8.73
sec-Butylbenzene	U	1	<9.26	<25.5	<9.26	µg/Kg	1	9.26	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<9.10	<25.5	<9.10	µg/Kg	1	9.10	20	7.14
p-Isopropyltoluene	U		<7.99	<25.5	<7.99	µg/Kg	1	7.99	20	6.27
4-Chlorotoluene	U	1	<11.9	<25.5	<11.9	µg/Kg	1	11.9	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<11.6	<25.5	<11.6	µg/Kg	1	11.6	20	9.1
n-Butylbenzene	U	1	<9.29	<25.5	9.57	µg/Kg	1	9.29	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<9.69	<127	<9.69	µg/Kg	1	9.69	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<9.32	<127	27.8	µg/Kg	1	9.32	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<8.48	<127	17.3	µg/Kg	1	8.48	100	6.66
Naphthalene	Qc,U	1	<9.76	<127	66.8	µg/Kg	1	9.76	100	7.66
Hexachlorobutadiene	U	1	<15.7	<127	49.3	µg/Kg	1	15.7	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			915	µg/Kg	1	1000	92	70 - 130
Toluene-d8			977	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			874	µg/Kg	1	1000	87	70 - 130

Sample: 275022 - SS-09

Laboratory:	Lubbock				
Analysis:	Moisture Content	Analytical Method:	ASTM D 2216-05	Prep Method:	N/A
QC Batch:	84116	Date Analyzed:	2011-08-22	Analyzed By:	CR
Prep Batch:	71423	Sample Preparation:	2011-08-22	Prepared By:	CR

Parameter	F	C	RL Result	Units	Dilution	RL
Moisture		1	13.7	%	1	

Sample: 275022 - SS-09

Laboratory:	Lubbock				
Analysis:	PCB	Analytical Method:	S 8082A	Prep Method:	S 3550
QC Batch:	84229	Date Analyzed:	2011-08-24	Analyzed By:	DS
Prep Batch:	71517	Sample Preparation:	2011-08-24	Prepared By:	DS

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total PCB		1	**0.00735**	**0.00735**	<0.00133	mg/Kg	1	0.00133	0.00167	0.00115
Aroclor 1016 (PCB-1016)	U	1	<0.00139	<0.00194	<0.00139	mg/Kg	1	0.00139	0.00167	0.0012
Aroclor 1221 (PCB-1221)	U	1	<0.00148	<0.00194	<0.00148	mg/Kg	1	0.00148	0.00167	0.00128
Aroclor 1232 (PCB-1232)	U	1	<0.00167	<0.00194	<0.00167	mg/Kg	1	0.00167	0.00167	0.00144
Aroclor 1242 (PCB-1242)	U	1	<0.00174	<0.00194	<0.00174	mg/Kg	1	0.00174	0.00167	0.0015
Aroclor 1248 (PCB-1248)	U	1	<0.00133	<0.00194	<0.00133	mg/Kg	1	0.00133	0.00167	0.00115
Aroclor 1254 (PCB-1254)	U	1	<0.00153	<0.00194	<0.00153	mg/Kg	1	0.00153	0.00167	0.00132
Aroclor 1260 (PCB-1260)		1	**0.00735**	**0.00735**	<0.00140	mg/Kg	1	0.00140	0.00167	0.00121
Aroclor 1268 (PCB-1268)	U		<0.00162	<0.00194	<0.00162	mg/Kg	1	0.00162	0.00167	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0126	mg/Kg	1	0.0167	75	58.7 - 121

Sample: 275022 - SS-09

Laboratory:	Lubbock				
Analysis:	Semivolatiles TRRP	Analytical Method:	S 8270D	Prep Method:	S 3550
QC Batch:	84212	Date Analyzed:	2011-08-24	Analyzed By:	MN
Prep Batch:	71499	Sample Preparation:	2011-08-23	Prepared By:	MN

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Pyridine	U	1	<0.0417	<0.290	<0.0417	mg/Kg	1	0.0417	0.25	0.036
N-Nitrosodimethylamine	U	1	<0.0768	<0.290	<0.0768	mg/Kg	1	0.0768	0.25	0.0663
2-Picoline	U	1	<0.0654	<0.290	<0.0654	mg/Kg	1	0.0654	0.25	0.0564

continued . . .

sample 275022 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Methyl methanesulfonate	U	1	<0.0599	<0.290	<0.0599	mg/Kg	1	0.0599	0.25	0.0517
Ethyl methanesulfonate	U	1	<0.0654	<0.290	<0.0654	mg/Kg	1	0.0654	0.25	0.0564
Phenol	Qc,U	1	<0.0510	<0.290	<0.0510	mg/Kg	1	0.0510	0.25	0.044
Aniline	U	1	<0.0604	<0.290	<0.0604	mg/Kg	1	0.0604	0.25	0.0521
bis(2-chloroethyl)ether	U	1	<0.0557	<0.290	<0.0557	mg/Kg	1	0.0557	0.25	0.0481
2-Chlorophenol	U	1	<0.0519	<0.290	<0.0519	mg/Kg	1	0.0519	0.25	0.0448
1,3-Dichlorobenzene (meta)	U	1	<0.0397	<0.290	<0.0397	mg/Kg	1	0.0397	0.25	0.0343
1,4-Dichlorobenzene (para)	U	1	<0.0332	<0.290	<0.0332	mg/Kg	1	0.0332	0.25	0.0287
Benzyl alcohol	U	1	<0.0294	<0.290	<0.0294	mg/Kg	1	0.0294	0.25	0.0254
1,2-Dichlorobenzene (ortho)	U	1	<0.0676	<0.290	<0.0676	mg/Kg	1	0.0676	0.25	0.0583
2-Methylphenol	U	1	<0.0417	<0.290	<0.0417	mg/Kg	1	0.0417	0.25	0.036
bis(2-chloroisopropyl)ether	U	1	<0.0624	<0.290	<0.0624	mg/Kg	1	0.0624	0.25	0.0539
4-Methylphenol / 3-Methylphenol	U	1	<0.0679	<0.290	<0.0679	mg/Kg	1	0.0679	0.25	0.0586
Acetophenone	U	1	<0.0393	<0.290	<0.0393	mg/Kg	1	0.0393	0.25	0.0339
N-Nitrosodi-n-propylamine	U	1	<0.0613	<0.290	<0.0613	mg/Kg	1	0.0613	0.25	0.0529
Hexachloroethane	U	1	<0.0610	<0.290	<0.0610	mg/Kg	1	0.0610	0.25	0.0526
Nitrobenzene	Qs,U	1	<0.0480	<0.290	<0.0480	mg/Kg	1	0.0480	0.25	0.0414
N-Nitrosopiperidine	U	1	<0.0557	<0.290	<0.0557	mg/Kg	1	0.0557	0.25	0.0481
Isophorone	U	1	<0.0626	<0.290	<0.0626	mg/Kg	1	0.0626	0.25	0.054
2-Nitrophenol	Qc,U	1	<0.0546	<0.290	<0.0546	mg/Kg	1	0.0546	0.25	0.0471
2,4-Dimethylphenol	U	1	<0.0461	<0.290	<0.0461	mg/Kg	1	0.0461	0.25	0.0398
bis(2-chloroethoxy)methane	U	1	<0.0596	<0.290	<0.0596	mg/Kg	1	0.0596	0.25	0.0514
Benzoic acid	Qc,U	1	<0.0461	<0.290	<0.0461	mg/Kg	1	0.0461	0.25	0.0398
2,4-Dichlorophenol	U	1	<0.0359	<0.290	<0.0359	mg/Kg	1	0.0359	0.25	0.031
1,2,4-Trichlorobenzene	U	1	<0.0392	<0.290	<0.0392	mg/Kg	1	0.0392	0.25	0.0338
Naphthalene	Qs,U	1	<0.0629	<0.290	<0.0629	mg/Kg	1	0.0629	0.25	0.0543
4-Chloroaniline	U	1	<0.0475	<0.290	<0.0475	mg/Kg	1	0.0475	0.25	0.041
2,6-Dichlorophenol	U	1	<0.0407	<0.290	<0.0407	mg/Kg	1	0.0407	0.25	0.0351
Hexachlorobutadiene	U	1	<0.0450	<0.290	<0.0450	mg/Kg	1	0.0450	0.25	0.0388
N-Nitroso-di-n-butylamine	U	1	<0.0636	<0.290	<0.0636	mg/Kg	1	0.0636	0.25	0.0549
4-Chloro-3-methylphenol	U	1	<0.0308	<0.290	<0.0308	mg/Kg	1	0.0308	0.25	0.0266
1-Methylnaphthalene	U		<0.0610	<0.290	<0.0610	mg/Kg	1	0.0610	0.25	0.0526
2-Methylnaphthalene	U	1	<0.0558	<0.290	<0.0558	mg/Kg	1	0.0558	0.25	0.0482
1,2,4,5-Tetrachlorobenzene	U	1	<0.0448	<0.290	<0.0448	mg/Kg	1	0.0448	0.25	0.0387
Hexachlorocyclopentadiene	U	1	<0.113	<0.290	<0.113	mg/Kg	1	0.113	0.25	0.0978
2,4,6-Trichlorophenol	U	1	<0.0514	<0.290	<0.0514	mg/Kg	1	0.0514	0.25	0.0444
2,4,5-Trichlorophenol	U	1	<0.0654	<0.290	<0.0654	mg/Kg	1	0.0654	0.25	0.0564
2-Chloronaphthalene	U	1	<0.0546	<0.290	<0.0546	mg/Kg	1	0.0546	0.25	0.0471
1-Chloronaphthalene	U	1	<0.0682	<0.290	<0.0682	mg/Kg	1	0.0682	0.25	0.0589
2-Nitroaniline	Qs,U	1	<0.0475	<0.290	<0.0475	mg/Kg	1	0.0475	0.25	0.041
Dimethylphthalate	U	1	<0.0718	<0.290	<0.0718	mg/Kg	1	0.0718	0.25	0.062
Acenaphthylene	U	1	<0.0643	<0.290	<0.0643	mg/Kg	1	0.0643	0.25	0.0555
2,6-Dinitrotoluene	Qc,Qs,U	1	<0.0644	<0.290	<0.0644	mg/Kg	1	0.0644	0.25	0.0556
3-Nitroaniline	Qc,Qs,U	1	<0.0539	<0.290	<0.0539	mg/Kg	1	0.0539	0.25	0.0465
Acenaphthene	Qs,U	1	<0.0646	<0.290	<0.0646	mg/Kg	1	0.0646	0.25	0.0558

continued . . .

sample 275022 continued . . .

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
2,4-Dinitrophenol	Qc,U	1	<0.0968	<0.290	<0.0968	mg/Kg	1	0.0968	0.25	0.0835
Dibenzofuran	Qs,U	1	<0.0513	<0.290	<0.0513	mg/Kg	1	0.0513	0.25	0.0443
Pentachlorobenzene	U	1	<0.0556	<0.290	<0.0556	mg/Kg	1	0.0556	0.25	0.048
4-Nitrophenol	Qs,U	1	<0.0256	<0.290	<0.0256	mg/Kg	1	0.0256	0.25	0.0221
1-Naphthylamine	U	1	<0.0397	<0.290	<0.0397	mg/Kg	1	0.0397	0.25	0.0343
2,4-Dinitrotoluene	Qc,Qs,U	1	<0.0731	<0.290	<0.0731	mg/Kg	1	0.0731	0.25	0.0631
2-Naphthylamine	U	1	<0.0584	<0.290	<0.0584	mg/Kg	1	0.0584	0.25	0.0504
2,3,4,6-Tetrachlorophenol	Qc,Qs,U	1	<0.0244	<0.290	<0.0244	mg/Kg	1	0.0244	0.25	0.0211
Fluorene	Qs,U	1	<0.0722	<0.290	<0.0722	mg/Kg	1	0.0722	0.25	0.0623
Diethylphthalate	U	1	<0.0629	<0.290	<0.0629	mg/Kg	1	0.0629	0.25	0.0543
4-Chlorophenyl-phenylether	U	1	<0.0545	<0.290	<0.0545	mg/Kg	1	0.0545	0.25	0.047
4-Nitroaniline	Qs,U	1	<0.120	<0.290	<0.120	mg/Kg	1	0.120	0.25	0.104
4,6-Dinitro-2-methylphenol	Qc,U	1	<0.101	<0.290	<0.101	mg/Kg	1	0.101	0.25	0.0875
Diphenylamine	Qs,U	1	<0.0654	<0.290	<0.0654	mg/Kg	1	0.0654	0.25	0.0564
Diphenylhydrazine	U		<0.0746	<0.290	<0.0746	mg/Kg	1	0.0746	0.25	0.0644
4-Bromophenyl-phenylether	U	1	<0.0593	<0.290	<0.0593	mg/Kg	1	0.0593	0.25	0.0512
Phenacetin	U	1	<0.0605	<0.290	<0.0605	mg/Kg	1	0.0605	0.25	0.0522
Hexachlorobenzene	U	1	<0.0517	<0.290	<0.0517	mg/Kg	1	0.0517	0.25	0.0446
4-Aminobiphenyl	U	1	<0.0408	<0.290	<0.0408	mg/Kg	1	0.0408	0.25	0.0352
Pentachlorophenol	Qc,Qs,U	1	<0.0672	<0.290	<0.0672	mg/Kg	1	0.0672	0.25	0.058
Pentachloronitrobenzene	U	1	<0.0401	<0.290	<0.0401	mg/Kg	1	0.0401	0.25	0.0346
Pronamide	Qc,U	1	<0.0672	<0.290	<0.0672	mg/Kg	1	0.0672	0.25	0.058
Phenanthrene	J,Qs	1	**0.130**	<0.290	<0.0621	mg/Kg	1	0.0621	0.25	0.0536
Anthracene	Qs,U	1	<0.0418	<0.290	<0.0418	mg/Kg	1	0.0418	0.25	0.0361
Di-n-butylphthalate	U	1	<0.0613	<0.290	<0.0613	mg/Kg	1	0.0613	0.25	0.0529
Fluoranthene	Qc,Qs	1	**0.389**	**0.389**	<0.0395	mg/Kg	1	0.0395	0.25	0.0341
Benzidine	Qc,Qs,U	1	<0.0795	<0.290	<0.0795	mg/Kg	1	0.0795	0.25	0.0686
Pyrene	Qs	1	**0.385**	**0.385**	<0.0452	mg/Kg	1	0.0452	0.25	0.039
p-Dimethylaminoazobenzene	U		<0.0608	<0.290	<0.0608	mg/Kg	1	0.0608	0.25	0.0525
Butylbenzylphthalate	U	1	<0.0796	<0.290	<0.0796	mg/Kg	1	0.0796	0.25	0.0687
Benzo(a)anthracene	J,Qs	1	**0.162**	<0.290	<0.0431	mg/Kg	1	0.0431	0.25	0.0372
3,3-Dichlorobenzidine	U	1	<0.0568	<0.290	<0.0568	mg/Kg	1	0.0568	0.25	0.049
Chrysene	Qs	1	**0.335**	**0.335**	<0.0577	mg/Kg	1	0.0577	0.25	0.0498
bis(2-ethylhexyl)phthalate	U	1	<0.0817	<0.290	<0.0817	mg/Kg	1	0.0817	0.25	0.0705
Di-n-octylphthalate	U	1	<0.0788	<0.290	<0.0788	mg/Kg	1	0.0788	0.25	0.068
Benzo(b)fluoranthene	Qs	1	**0.302**	**0.302**	<0.0443	mg/Kg	1	0.0443	0.25	0.0382
7,12-Dimethylbenz(a)anthracene	U	1	<0.0341	<0.290	<0.0341	mg/Kg	1	0.0341	0.25	0.0294
Benzo(k)fluoranthene	J,Qs	1	**0.0767**	<0.290	<0.0543	mg/Kg	1	0.0543	0.25	0.0469
Benzo(a)pyrene	J,Qs	1	**0.183**	<0.290	<0.0516	mg/Kg	1	0.0516	0.25	0.0445
3-Methylcholanthrene	Qc,U	1	<0.0373	<0.290	<0.0373	mg/Kg	1	0.0373	0.25	0.0322
Dibenzo(a,j)acridine	U	1	<0.0748	<0.290	<0.0748	mg/Kg	1	0.0748	0.25	0.0646
Indeno(1,2,3-cd)pyrene	J,Qs	1	**0.162**	<0.290	<0.0498	mg/Kg	1	0.0498	0.25	0.043
Dibenzo(a,h)anthracene	J	1	**0.0578**	<0.290	<0.0547	mg/Kg	1	0.0547	0.25	0.0472
Benzo(g,h,i)perylene	J,Qs	1	**0.166**	<0.290	<0.0488	mg/Kg	1	0.0488	0.25	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.600	mg/Kg	1	2.67	22	10 - 88
Phenol-d5			0.799	mg/Kg	1	2.67	30	10 - 100
Nitrobenzene-d5			0.881	mg/Kg	1	2.67	33	10 - 89.7
2-Fluorobiphenyl			0.846	mg/Kg	1	2.67	32	13 - 93
2,4,6-Tribromophenol			1.81	mg/Kg	1	2.67	68	10 - 99.4
Terphenyl-d14			1.51	mg/Kg	1	2.67	56	38.9 - 94.4

Sample: 275022 - SS-09

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	84122	Date Analyzed:	2011-08-22	Analyzed By:	RR
Prep Batch:	71419	Sample Preparation:	2011-08-22	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7471 B	Prep Method:	N/A
QC Batch:	84256	Date Analyzed:	2011-08-25	Analyzed By:	TP
Prep Batch:	71528	Sample Preparation:	2011-08-25	Prepared By:	TP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Silver	U	1	<0.0428	<0.579	<0.0428	mg/Kg	1	0.0428	0.5	0.0369
Total Arsenic	U	1	<0.317	<2.32	<0.317	mg/Kg	1	0.317	2	0.274
Total Barium		1	**312**	**312**	<0.264	mg/Kg	1	0.264	1	0.228
Total Cadmium	U	1	<0.0646	<0.579	<0.0646	mg/Kg	1	0.0646	0.5	0.0558
Total Chromium		1	**17.7**	**17.7**	<0.155	mg/Kg	1	0.155	0.5	0.134
Total Mercury	J	1	**0.0132**	<0.0290	<0.00229	mg/Kg	1	0.00229	0.025	0.00198
Total Lead		1	**32.8**	**32.8**	<0.227	mg/Kg	1	0.227	1	0.196
Total Selenium	U	1	<0.246	<2.32	<0.246	mg/Kg	1	0.246	2	0.212

Sample: 275022 - SS-09

Laboratory:	Lubbock				
Analysis:	TX1005 - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	84158	Date Analyzed:	2011-08-21	Analyzed By:	BP
Prep Batch:	71448	Sample Preparation:	2011-08-19	Prepared By:	BP

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
C6-C12	Qs,U	1	<14.9	<57.9	<14.9	mg/Kg	1	14.9	50	12.9
>C12-C28	U	1	<13.0	<57.9	<13.0	mg/Kg	1	13.0	50	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			118	mg/Kg	1	100	118	55.1 - 140
n-Tricosane			110	mg/Kg	1	100	110	65.2 - 142
n-Triacontane			124	mg/Kg	1	100	124	68.8 - 145

Sample: 275022 - SS-09

Laboratory:	Lubbock				
Analysis:	Volatiles	Analytical Method:	S 8260 C	Prep Method:	S 5030B
QC Batch:	84100	Date Analyzed:	2011-08-19	Analyzed By:	KB
Prep Batch:	71410	Sample Preparation:	2011-08-19	Prepared By:	KB

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Bromochloromethane	U	1	<7.32	<23.2	<7.32	µg/Kg	1	7.32	20	6.32
Dichlorodifluoromethane	Qr,U	1	<17.1	<23.2	<17.1	µg/Kg	1	17.1	20	14.8
Chloromethane (methyl chloride)	U	1	<5.46	<23.2	<5.46	µg/Kg	1	5.46	20	4.71
Vinyl Chloride	U	1	<15.5	<23.2	<15.5	µg/Kg	1	15.5	20	13.4
Bromomethane (methyl bromide)	Qr,U	1	<7.36	<116	<7.36	µg/Kg	1	7.36	100	6.35
Chloroethane	Qr,U	1	<10.9	<23.2	<10.9	µg/Kg	1	10.9	20	9.44
Trichlorofluoromethane	Qr,U	1	<16.8	<23.2	<16.8	µg/Kg	1	16.8	20	14.5
Acetone	Qc,U	1	<20.6	<232	<20.6	µg/Kg	1	20.6	200	17.8
Iodomethane (methyl iodide)	U	1	<6.27	<116	<6.27	µg/Kg	1	6.27	100	5.41
Carbon Disulfide	U	1	<6.20	<23.2	<6.20	µg/Kg	1	6.20	20	5.35
Acrylonitrile	Qc,U	1	<4.80	<23.2	<4.80	µg/Kg	1	4.80	20	4.14
2-Butanone (MEK)	Qc,U	1	<11.4	<116	<11.4	µg/Kg	1	11.4	100	9.84
4-Methyl-2-pentanone (MIBK)	U	1	<9.50	<116	<9.50	µg/Kg	1	9.50	100	8.2
2-Hexanone	Qc,U	1	<10.2	<116	<10.2	µg/Kg	1	10.2	100	8.76
trans 1,4-Dichloro-2-butene	Qc,U	1	<5.71	<232	<5.71	µg/Kg	1	5.71	200	4.93
1,1-Dichloroethene	U	1	<6.71	<23.2	<6.71	µg/Kg	1	6.71	20	5.79
Methylene chloride	JB	1	**19.7**	<116	16.0	µg/Kg	1	8.03	100	6.93
MTBE	U	1	<4.75	<23.2	<4.75	µg/Kg	1	4.75	20	4.1
trans-1,2-Dichloroethene	U	1	<7.29	<23.2	<7.29	µg/Kg	1	7.29	20	6.29
1,1-Dichloroethane	U	1	<6.45	<23.2	<6.45	µg/Kg	1	6.45	20	5.57
cis-1,2-Dichloroethene	U	1	<6.10	<23.2	<6.10	µg/Kg	1	6.10	20	5.26
2,2-Dichloropropane	Qc,U	1	<6.52	<23.2	<6.52	µg/Kg	1	6.52	20	5.63
1,2-Dichloroethane (EDC)	U	1	<5.97	<23.2	<5.97	µg/Kg	1	5.97	20	5.15
Chloroform	U	1	<4.82	<23.2	<4.82	µg/Kg	1	4.82	20	4.16
1,1,1-Trichloroethane	U	1	<7.23	<23.2	<7.23	µg/Kg	1	7.23	20	6.24
1,1-Dichloropropene	U	1	<6.85	<23.2	<6.85	µg/Kg	1	6.85	20	5.91
Benzene	U	1	<7.03	<23.2	<7.03	µg/Kg	1	7.03	20	6.07
Carbon Tetrachloride	U	1	<5.92	<23.2	<5.92	µg/Kg	1	5.92	20	5.11
1,2-Dichloropropane	U	1	<6.63	<23.2	<6.63	µg/Kg	1	6.63	20	5.72
Trichloroethene (TCE)	U	1	<7.26	<23.2	<7.26	µg/Kg	1	7.26	20	6.27
Dibromomethane (methylene bromide)	U	1	<4.95	<23.2	<4.95	µg/Kg	1	4.95	20	4.27
Bromodichloromethane	U	1	<8.86	<23.2	<8.86	µg/Kg	1	8.86	20	7.65
2-Chloroethyl vinyl ether	Qc,U	1	<6.11	<23.2	<6.11	µg/Kg	1	6.11	20	5.27

continued ...

sample 275022 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
cis-1,3-Dichloropropene	U	1	<6.42	<23.2	<6.42	µg/Kg	1	6.42	20	5.54
trans-1,3-Dichloropropene	U	1	<4.82	<23.2	<4.82	µg/Kg	1	4.82	20	4.16
Toluene	U	1	<8.60	<23.2	<8.60	µg/Kg	1	8.60	20	7.42
1,1,2-Trichloroethane	U	1	<7.33	<23.2	<7.33	µg/Kg	1	7.33	20	6.33
1,3-Dichloropropane	U	1	<7.13	<23.2	<7.13	µg/Kg	1	7.13	20	6.15
Dibromochloromethane	U	1	<7.68	<23.2	<7.68	µg/Kg	1	7.68	20	6.63
1,2-Dibromoethane (EDB)	U	1	<7.08	<23.2	<7.08	µg/Kg	1	7.08	20	6.11
Tetrachloroethene (PCE)	Qc,U	1	<14.7	<23.2	<14.7	µg/Kg	1	14.7	20	12.7
Chlorobenzene	U	1	<9.07	<23.2	<9.07	µg/Kg	1	9.07	20	7.83
1,1,1,2-Tetrachloroethane	U	1	<5.46	<23.2	<5.46	µg/Kg	1	5.46	20	4.71
Ethylbenzene	U	1	<8.92	<23.2	<8.92	µg/Kg	1	8.92	20	7.7
m,p-Xylene	U	1	<17.0	<23.2	<17.0	µg/Kg	1	17.0	20	14.7
Bromoform	U	1	<6.55	<23.2	<6.55	µg/Kg	1	6.55	20	5.65
Styrene	U	1	<9.14	<23.2	<9.14	µg/Kg	1	9.14	20	7.89
o-Xylene	U	1	<9.18	<23.2	<9.18	µg/Kg	1	9.18	20	7.92
1,1,2,2-Tetrachloroethane	Qc,U	1	<5.97	<23.2	<5.97	µg/Kg	1	5.97	20	5.15
2-Chlorotoluene	U	1	<9.48	<23.2	<9.48	µg/Kg	1	9.48	20	8.18
1,2,3-Trichloropropane	U	1	<8.93	<23.2	<8.93	µg/Kg	1	8.93	20	7.71
Isopropylbenzene	Qc,U	1	<10.6	<23.2	<10.6	µg/Kg	1	10.6	20	9.13
Bromobenzene	U	1	<7.79	<23.2	<7.79	µg/Kg	1	7.79	20	6.72
n-Propylbenzene	U	1	<8.77	<23.2	<8.77	µg/Kg	1	8.77	20	7.57
1,3,5-Trimethylbenzene	U	1	<10.0	<23.2	<10.0	µg/Kg	1	10.0	20	8.63
tert-Butylbenzene	Qc,U	1	<9.33	<23.2	<9.33	µg/Kg	1	9.33	20	8.05
1,2,4-Trimethylbenzene	U	1	<9.07	<23.2	<9.07	µg/Kg	1	9.07	20	7.83
1,4-Dichlorobenzene (para)	U	1	<10.1	<23.2	<10.1	µg/Kg	1	10.1	20	8.73
sec-Butylbenzene	U	1	<8.42	<23.2	<8.42	µg/Kg	1	8.42	20	7.27
1,3-Dichlorobenzene (meta)	U	1	<8.27	<23.2	<8.27	µg/Kg	1	8.27	20	7.14
p-Isopropyltoluene	U		<7.26	<23.2	<7.26	µg/Kg	1	7.26	20	6.27
4-Chlorotoluene	U	1	<10.8	<23.2	<10.8	µg/Kg	1	10.8	20	9.32
1,2-Dichlorobenzene (ortho)	U	1	<10.5	<23.2	<10.5	µg/Kg	1	10.5	20	9.1
n-Butylbenzene	U	1	<8.45	<23.2	8.70	µg/Kg	1	8.45	20	7.29
1,2-Dibromo-3-chloropropane	Qc,U		<8.82	<116	<8.82	µg/Kg	1	8.82	100	7.61
1,2,3-Trichlorobenzene	Qc,U	1	<8.48	<116	25.3	µg/Kg	1	8.48	100	7.32
1,2,4-Trichlorobenzene	Qc,U	1	<7.72	<116	15.8	µg/Kg	1	7.72	100	6.66
Naphthalene	Qc,U	1	<8.88	<116	60.7	µg/Kg	1	8.88	100	7.66
Hexachlorobutadiene	U	1	<14.2	<116	44.8	µg/Kg	1	14.2	100	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			904	µg/Kg	1	1000	90	70 - 130
Toluene-d8			980	µg/Kg	1	1000	98	70 - 130
4-Bromofluorobenzene (4-BFB)			868	µg/Kg	1	1000	87	70 - 130

Method Blanks

Method Blank (1)

QC Batch: 84100 | Date Analyzed: 2011-08-19 | Analyzed By: KB
Prep Batch: 71410 | QC Preparation: 2011-08-19 | Prepared By: KB

Parameter	F	C	Result	Units	Reporting Limits
Bromochloromethane		1	<6.32	µg/Kg	6.32
Dichlorodifluoromethane		1	<14.8	µg/Kg	14.8
Chloromethane (methyl chloride)		1	<4.71	µg/Kg	4.71
Vinyl Chloride		1	<13.4	µg/Kg	13.4
Bromomethane (methyl bromide)		1	<6.35	µg/Kg	6.35
Chloroethane		1	<9.44	µg/Kg	9.44
Trichlorofluoromethane		1	<14.5	µg/Kg	14.5
Acetone		1	<17.8	µg/Kg	17.8
Iodomethane (methyl iodide)		1	<5.41	µg/Kg	5.41
Carbon Disulfide		1	<5.35	µg/Kg	5.35
Acrylonitrile		1	<4.14	µg/Kg	4.14
2-Butanone (MEK)		1	<9.84	µg/Kg	9.84
4-Methyl-2-pentanone (MIBK)		1	<8.20	µg/Kg	8.2
2-Hexanone		1	<8.76	µg/Kg	8.76
trans 1,4-Dichloro-2-butene		1	<4.93	µg/Kg	4.93
1,1-Dichloroethene		1	<5.79	µg/Kg	5.79
Methylene chloride		1	13.8	µg/Kg	6.93
MTBE		1	<4.10	µg/Kg	4.1
trans-1,2-Dichloroethene		1	<6.29	µg/Kg	6.29
1,1-Dichloroethane		1	<5.57	µg/Kg	5.57
cis-1,2-Dichloroethene		1	<5.26	µg/Kg	5.26
2,2-Dichloropropane		1	<5.63	µg/Kg	5.63
1,2-Dichloroethane (EDC)		1	<5.15	µg/Kg	5.15
Chloroform		1	<4.16	µg/Kg	4.16
1,1,1-Trichloroethane		1	<6.24	µg/Kg	6.24
1,1-Dichloropropene		1	<5.91	µg/Kg	5.91
Benzene		1	<6.07	µg/Kg	6.07
Carbon Tetrachloride		1	<5.11	µg/Kg	5.11
1,2-Dichloropropane		1	<5.72	µg/Kg	5.72
Trichloroethene (TCE)		1	<6.27	µg/Kg	6.27
Dibromomethane (methylene bromide)		1	<4.27	µg/Kg	4.27
Bromodichloromethane		1	<7.65	µg/Kg	7.65
2-Chloroethyl vinyl ether		1	<5.27	µg/Kg	5.27
cis-1,3-Dichloropropene		1	<5.54	µg/Kg	5.54
trans-1,3-Dichloropropene		1	<4.16	µg/Kg	4.16
Toluene		1	<7.42	µg/Kg	7.42
1,1,2-Trichloroethane		1	<6.33	µg/Kg	6.33
1,3-Dichloropropane		1	<6.15	µg/Kg	6.15
Dibromochloromethane		1	<6.63	µg/Kg	6.63

continued . . .

method blank continued ...

Parameter	F	C	Result	Units	Reporting Limits
1,2-Dibromoethane (EDB)		1	<6.11	µg/Kg	6.11
Tetrachloroethene (PCE)		1	<12.7	µg/Kg	12.7
Chlorobenzene		1	<7.83	µg/Kg	7.83
1,1,1,2-Tetrachloroethane		1	<4.71	µg/Kg	4.71
Ethylbenzene		1	<7.70	µg/Kg	7.7
m,p-Xylene		1	<14.7	µg/Kg	14.7
Bromoform		1	<5.65	µg/Kg	5.65
Styrene		1	<7.89	µg/Kg	7.89
o-Xylene		1	<7.92	µg/Kg	7.92
1,1,2,2-Tetrachloroethane		1	<5.15	µg/Kg	5.15
2-Chlorotoluene		1	<8.18	µg/Kg	8.18
1,2,3-Trichloropropane		1	<7.71	µg/Kg	7.71
Isopropylbenzene		1	<9.13	µg/Kg	9.13
Bromobenzene		1	<6.72	µg/Kg	6.72
n-Propylbenzene		1	<7.57	µg/Kg	7.57
1,3,5-Trimethylbenzene		1	<8.63	µg/Kg	8.63
tert-Butylbenzene		1	<8.05	µg/Kg	8.05
1,2,4-Trimethylbenzene		1	<7.83	µg/Kg	7.83
1,4-Dichlorobenzene (para)		1	<8.73	µg/Kg	8.73
sec-Butylbenzene		1	<7.27	µg/Kg	7.27
1,3-Dichlorobenzene (meta)		1	<7.14	µg/Kg	7.14
p-Isopropyltoluene			<6.27	µg/Kg	6.27
4-Chlorotoluene		1	<9.32	µg/Kg	9.32
1,2-Dichlorobenzene (ortho)		1	<9.10	µg/Kg	9.1
n-Butylbenzene		1	7.51	µg/Kg	7.29
1,2-Dibromo-3-chloropropane			<7.61	µg/Kg	7.61
1,2,3-Trichlorobenzene		1	21.8	µg/Kg	7.32
1,2,4-Trichlorobenzene		1	13.6	µg/Kg	6.66
Naphthalene		1	52.4	µg/Kg	7.66
Hexachlorobutadiene		1	38.7	µg/Kg	12.3

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane			947	µg/Kg	1	1000	95	70 - 130
Toluene-d8			986	µg/Kg	1	1000	99	70 - 130
4-Bromofluorobenzene (4-BFB)			920	µg/Kg	1	1000	92	70 - 130

Method Blank (1)

QC Batch: 84122 | Date Analyzed: 2011-08-22 | Analyzed By: RR
Prep Batch: 71419 | QC Preparation: 2011-08-22 | Prepared By: KV

Parameter	F	C	Result	Units	Reporting Limits
Total Silver		1	<0.0369	mg/Kg	0.0369
Total Arsenic		1	<0.274	mg/Kg	0.274
Total Barium		1	<0.228	mg/Kg	0.228
Total Cadmium		1	<0.0558	mg/Kg	0.0558
Total Chromium		1	<0.134	mg/Kg	0.134
Total Lead		1	<0.196	mg/Kg	0.196
Total Selenium		1	<0.212	mg/Kg	0.212

Method Blank (1)

QC Batch: 84158 | Date Analyzed: 2011-08-21 | Analyzed By: BP
Prep Batch: 71448 | QC Preparation: 2011-08-19 | Prepared By: EB

Parameter	F	C	Result	Units	Reporting Limits
C6-C12		1	<12.9	mg/Kg	12.9
>C12-C28		1	<11.2	mg/Kg	11.2

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Octane			97.5	mg/Kg	1	100	98	55.1 - 140
n-Tricosane			93.3	mg/Kg	1	100	93	65.2 - 142
n-Triacontane			100	mg/Kg	1	100	100	68.8 - 145

Method Blank (1)

QC Batch: 84179 | Date Analyzed: 2011-08-23 | Analyzed By: TP
Prep Batch: 71476 | QC Preparation: 2011-08-23 | Prepared By: TP

Parameter	F	C	Result	Units	Reporting Limits
Total Mercury		1	<0.00198	mg/Kg	0.00198

Method Blank (1)

QC Batch: 84212 | Date Analyzed: 2011-08-24 | Analyzed By: MN
Prep Batch: 71499 | QC Preparation: 2011-08-23 | Prepared By: MN

Parameter	F	C	Result	Units	Reporting Limits
Pyridine		1	<0.0360	mg/Kg	0.036
N-Nitrosodimethylamine		1	<0.0663	mg/Kg	0.0663
2-Picoline		1	<0.0564	mg/Kg	0.0564
Methyl methanesulfonate		1	<0.0517	mg/Kg	0.0517
Ethyl methanesulfonate		1	<0.0564	mg/Kg	0.0564
Phenol		1	<0.0440	mg/Kg	0.044
Aniline		1	<0.0521	mg/Kg	0.0521
bis(2-chloroethyl)ether		1	<0.0481	mg/Kg	0.0481
2-Chlorophenol		1	<0.0448	mg/Kg	0.0448
1,3-Dichlorobenzene (meta)		1	<0.0343	mg/Kg	0.0343
1,4-Dichlorobenzene (para)		1	<0.0287	mg/Kg	0.0287
Benzyl alcohol		1	<0.0254	mg/Kg	0.0254
1,2-Dichlorobenzene (ortho)		1	<0.0583	mg/Kg	0.0583
2-Methylphenol		1	<0.0360	mg/Kg	0.036
bis(2-chloroisopropyl)ether		1	<0.0539	mg/Kg	0.0539
4-Methylphenol / 3-Methylphenol		1	<0.0586	mg/Kg	0.0586
Acetophenone		1	<0.0339	mg/Kg	0.0339
N-Nitrosodi-n-propylamine		1	<0.0529	mg/Kg	0.0529
Hexachloroethane		1	<0.0526	mg/Kg	0.0526
Nitrobenzene		1	<0.0414	mg/Kg	0.0414
N-Nitrosopiperidine		1	<0.0481	mg/Kg	0.0481
Isophorone		1	<0.0540	mg/Kg	0.054
2-Nitrophenol		1	<0.0471	mg/Kg	0.0471
2,4-Dimethylphenol		1	<0.0398	mg/Kg	0.0398
bis(2-chloroethoxy)methane		1	<0.0514	mg/Kg	0.0514
Benzoic acid		1	<0.0398	mg/Kg	0.0398
2,4-Dichlorophenol		1	<0.0310	mg/Kg	0.031
1,2,4-Trichlorobenzene		1	<0.0338	mg/Kg	0.0338
Naphthalene		1	<0.0543	mg/Kg	0.0543
4-Chloroaniline		1	<0.0410	mg/Kg	0.041
2,6-Dichlorophenol		1	<0.0351	mg/Kg	0.0351
Hexachlorobutadiene		1	<0.0388	mg/Kg	0.0388
N-Nitroso-di-n-butylamine		1	<0.0549	mg/Kg	0.0549
4-Chloro-3-methylphenol		1	<0.0266	mg/Kg	0.0266
1-Methylnaphthalene			<0.0526	mg/Kg	0.0526
2-Methylnaphthalene		1	<0.0482	mg/Kg	0.0482
1,2,4,5-Tetrachlorobenzene		1	<0.0387	mg/Kg	0.0387
Hexachlorocyclopentadiene		1	<0.0978	mg/Kg	0.0978
2,4,6-Trichlorophenol		1	<0.0444	mg/Kg	0.0444
2,4,5-Trichlorophenol		1	<0.0564	mg/Kg	0.0564
2-Chloronaphthalene		1	<0.0471	mg/Kg	0.0471
1-Chloronaphthalene		1	<0.0589	mg/Kg	0.0589
2-Nitroaniline		1	<0.0410	mg/Kg	0.041
Dimethylphthalate		1	<0.0620	mg/Kg	0.062
Acenaphthylene		1	<0.0555	mg/Kg	0.0555
2,6-Dinitrotoluene		1	<0.0556	mg/Kg	0.0556
3-Nitroaniline		1	<0.0465	mg/Kg	0.0465
Acenaphthene		1	<0.0558	mg/Kg	0.0558

continued . . .

method blank continued ...

Parameter	F	C	Result	Units	Reporting Limits
2,4-Dinitrophenol		1	<0.0835	mg/Kg	0.0835
Dibenzofuran		1	<0.0443	mg/Kg	0.0443
Pentachlorobenzene		1	<0.0480	mg/Kg	0.048
4-Nitrophenol		1	<0.0221	mg/Kg	0.0221
1-Naphthylamine		1	<0.0343	mg/Kg	0.0343
2,4-Dinitrotoluene		1	<0.0631	mg/Kg	0.0631
2-Naphthylamine		1	<0.0504	mg/Kg	0.0504
2,3,4,6-Tetrachlorophenol		1	<0.0211	mg/Kg	0.0211
Fluorene		1	<0.0623	mg/Kg	0.0623
Diethylphthalate		1	<0.0543	mg/Kg	0.0543
4-Chlorophenyl-phenylether		1	<0.0470	mg/Kg	0.047
4-Nitroaniline		1	<0.104	mg/Kg	0.104
4,6-Dinitro-2-methylphenol		1	<0.0875	mg/Kg	0.0875
Diphenylamine		1	<0.0564	mg/Kg	0.0564
Diphenylhydrazine			<0.0644	mg/Kg	0.0644
4-Bromophenyl-phenylether		1	<0.0512	mg/Kg	0.0512
Phenacetin		1	<0.0522	mg/Kg	0.0522
Hexachlorobenzene		1	<0.0446	mg/Kg	0.0446
4-Aminobiphenyl		1	<0.0352	mg/Kg	0.0352
Pentachlorophenol		1	<0.0580	mg/Kg	0.058
Pentachloronitrobenzene		1	<0.0346	mg/Kg	0.0346
Pronamide		1	<0.0580	mg/Kg	0.058
Phenanthrene		1	<0.0536	mg/Kg	0.0536
Anthracene		1	<0.0361	mg/Kg	0.0361
Di-n-butylphthalate		1	<0.0529	mg/Kg	0.0529
Fluoranthene		1	<0.0341	mg/Kg	0.0341
Benzidine		1	<0.0686	mg/Kg	0.0686
Pyrene		1	<0.0390	mg/Kg	0.039
p-Dimethylaminoazobenzene			<0.0525	mg/Kg	0.0525
Butylbenzylphthalate		1	<0.0687	mg/Kg	0.0687
Benzo(a)anthracene		1	<0.0372	mg/Kg	0.0372
3,3-Dichlorobenzidine		1	<0.0490	mg/Kg	0.049
Chrysene		1	<0.0498	mg/Kg	0.0498
bis(2-ethylhexyl)phthalate		1	<0.0705	mg/Kg	0.0705
Di-n-octylphthalate		1	<0.0680	mg/Kg	0.068
Benzo(b)fluoranthene		1	<0.0382	mg/Kg	0.0382
7,12-Dimethylbenz(a)anthracene		1	<0.0294	mg/Kg	0.0294
Benzo(k)fluoranthene		1	<0.0469	mg/Kg	0.0469
Benzo(a)pyrene		1	<0.0445	mg/Kg	0.0445
3-Methylcholanthrene		1	<0.0322	mg/Kg	0.0322
Dibenzo(a,j)acridine		1	<0.0646	mg/Kg	0.0646
Indeno(1,2,3-cd)pyrene		1	<0.0430	mg/Kg	0.043
Dibenzo(a,h)anthracene		1	<0.0472	mg/Kg	0.0472
Benzo(g,h,i)perylene		1	<0.0421	mg/Kg	0.0421

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol			0.827	mg/Kg	1	2.67	31	10 - 88
Phenol-d5			0.992	mg/Kg	1	2.67	37	10 - 100
Nitrobenzene-d5			1.13	mg/Kg	1	2.67	42	10 - 89.7
2-Fluorobiphenyl			0.952	mg/Kg	1	2.67	36	13 - 93
2,4,6-Tribromophenol			1.23	mg/Kg	1	2.67	46	10 - 99.4
Terphenyl-d14			1.21	mg/Kg	1	2.67	45	38.9 - 94.4

Method Blank (1)

QC Batch: 84229 | Date Analyzed: 2011-08-24 | Analyzed By: DS
Prep Batch: 71517 | QC Preparation: 2011-08-24 | Prepared By: DS

Parameter	F	C	Result	Units	Reporting Limits
Total PCB		1	<0.00115	mg/Kg	0.00115
Aroclor 1016 (PCB-1016)		1	<0.00120	mg/Kg	0.0012
Aroclor 1221 (PCB-1221)		1	<0.00128	mg/Kg	0.00128
Aroclor 1232 (PCB-1232)		1	<0.00144	mg/Kg	0.00144
Aroclor 1242 (PCB-1242)		1	<0.00150	mg/Kg	0.0015
Aroclor 1248 (PCB-1248)		1	<0.00115	mg/Kg	0.00115
Aroclor 1254 (PCB-1254)		1	<0.00132	mg/Kg	0.00132
Aroclor 1260 (PCB-1260)		1	<0.00121	mg/Kg	0.00121
Aroclor 1268 (PCB-1268)			<0.00140	mg/Kg	0.0014

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Deca chlorobiphenyl			0.0127	mg/Kg	1	0.0167	76	58.7 - 121

Method Blank (1)

QC Batch: 84256 | Date Analyzed: 2011-08-25 | Analyzed By: TP
Prep Batch: 71528 | QC Preparation: 2011-08-25 | Prepared By: TP

Parameter	F	C	Result	Units	Reporting Limits
Total Mercury		1	<0.00198	mg/Kg	0.00198

Duplicate (1) Duplicated Sample: 275014

QC Batch: 84115 | Date Analyzed: 2011-08-22 | Analyzed By: CR
Prep Batch: 71422 | QC Preparation: 2011-08-22 | Prepared By: CR

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Moisture		1	12.8	12.7	%	1	1	20

Duplicate (1) Duplicated Sample: 275024

QC Batch: 84116 | Date Analyzed: 2011-08-22 | Analyzed By: CR
Prep Batch: 71423 | QC Preparation: 2011-08-22 | Prepared By: CR

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Moisture		1	18.7	18.5	%	1	1	20

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 84100 | Date Analyzed: 2011-08-19 | Analyzed By: KB
Prep Batch: 71410 | QC Preparation: 2011-08-19 | Prepared By: KB

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		1	1020	µg/Kg	1	1000	<6.32	102	84.1 - 125
Dichlorodifluoromethane		1	895	µg/Kg	1	1000	<14.8	90	26.3 - 150
Chloromethane (methyl chloride)		1	895	µg/Kg	1	1000	<4.71	90	53.3 - 141
Vinyl Chloride		1	972	µg/Kg	1	1000	<13.4	97	60.8 - 131
Bromomethane (methyl bromide)		1	905	µg/Kg	1	1000	<6.35	90	30.4 - 169
Chloroethane		1	907	µg/Kg	1	1000	<9.44	91	51.8 - 147
Trichlorofluoromethane		1	1050	µg/Kg	1	1000	<14.5	105	34.8 - 161
Acetone		1	1080	µg/Kg	1	1000	<17.8	108	24.1 - 188
Iodomethane (methyl iodide)		1	980	µg/Kg	1	1000	<5.41	98	82.4 - 134
Carbon Disulfide		1	996	µg/Kg	1	1000	<5.35	100	77.8 - 132
Acrylonitrile		1	902	µg/Kg	1	1000	<4.14	90	68.8 - 137
2-Butanone (MEK)		1	937	µg/Kg	1	1000	<9.84	94	53.8 - 140
4-Methyl-2-pentanone (MIBK)		1	949	µg/Kg	1	1000	<8.20	95	64.9 - 144
2-Hexanone		1	898	µg/Kg	1	1000	<8.76	90	54.3 - 153
trans 1,4-Dichloro-2-butene		1	705	µg/Kg	1	1000	<4.93	70	40.6 - 175
1,1-Dichloroethene		1	982	µg/Kg	1	1000	<5.79	98	68.5 - 137
Methylene chloride		1	994	µg/Kg	1	1000	13.8	99	76.2 - 135
MTBE		1	989	µg/Kg	1	1000	<4.10	99	58 - 152
trans-1,2-Dichloroethene		1	1000	µg/Kg	1	1000	<6.29	100	79.5 - 124
1,1-Dichloroethane		1	1010	µg/Kg	1	1000	<5.57	101	77.7 - 128
cis-1,2-Dichloroethene		1	1030	µg/Kg	1	1000	<5.26	103	77.9 - 128
2,2-Dichloropropane		1	1000	µg/Kg	1	1000	<5.63	100	59.9 - 150
1,2-Dichloroethane (EDC)		1	926	µg/Kg	1	1000	<5.15	93	68.8 - 137
Chloroform		1	993	µg/Kg	1	1000	<4.16	99	76.6 - 128
1,1,1-Trichloroethane		1	1000	µg/Kg	1	1000	<6.24	100	73.3 - 136
1,1-Dichloropropene		1	1020	µg/Kg	1	1000	<5.91	102	79.5 - 126
Benzene		1	1010	µg/Kg	1	1000	<6.07	101	81.4 - 120
Carbon Tetrachloride		1	1100	µg/Kg	1	1000	<5.11	110	57.5 - 159
1,2-Dichloropropane		1	1010	µg/Kg	1	1000	<5.72	101	76.8 - 130
Trichloroethene (TCE)		1	1050	µg/Kg	1	1000	<6.27	105	72.1 - 137
Dibromomethane (methylene bromide)		1	951	µg/Kg	1	1000	<4.27	95	80 - 127
Bromodichloromethane		1	1010	µg/Kg	1	1000	<7.65	101	78.6 - 133
2-Chloroethyl vinyl ether		1	802	µg/Kg	1	1000	<5.27	80	24.8 - 167
cis-1,3-Dichloropropene		1	1030	µg/Kg	1	1000	<5.54	103	81.5 - 133
trans-1,3-Dichloropropene		1	1010	µg/Kg	1	1000	<4.16	101	77.4 - 138
Toluene		1	1010	µg/Kg	1	1000	<7.42	101	83.7 - 121
1,1,2-Trichloroethane		1	960	µg/Kg	1	1000	<6.33	96	79.1 - 120
1,3-Dichloropropane		1	961	µg/Kg	1	1000	<6.15	96	78.1 - 121

continued . . .

control spikes continued . . .

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dibromochloromethane		1	1050	µg/Kg	1	1000	<6.63	105	84.5 - 129
1,2-Dibromoethane (EDB)		1	960	µg/Kg	1	1000	<6.11	96	80.8 - 121
Tetrachloroethene (PCE)		1	1040	µg/Kg	1	1000	<12.7	104	31.3 - 169
Chlorobenzene		1	992	µg/Kg	1	1000	<7.83	99	82.8 - 118
1,1,1,2-Tetrachloroethane		1	1060	µg/Kg	1	1000	<4.71	106	81.8 - 128
Ethylbenzene		1	1010	µg/Kg	1	1000	<7.70	101	83.4 - 117
m,p-Xylene		1	1970	µg/Kg	1	2000	<14.7	98	86.2 - 116
Bromoform		1	1030	µg/Kg	1	1000	<5.65	103	71.9 - 138
Styrene		1	971	µg/Kg	1	1000	<7.89	97	86.4 - 121
o-Xylene		1	1000	µg/Kg	1	1000	<7.92	100	87.3 - 117
1,1,2,2-Tetrachloroethane		1	882	µg/Kg	1	1000	<5.15	88	64.4 - 135
2-Chlorotoluene		1	1090	µg/Kg	1	1000	<8.18	109	78.3 - 120
1,2,3-Trichloropropane		1	1260	µg/Kg	1	1000	<7.71	126	62.8 - 133
Isopropylbenzene		1	1180	µg/Kg	1	1000	<9.13	118	79.1 - 124
Bromobenzene		1	1080	µg/Kg	1	1000	<6.72	108	77.9 - 119
n-Propylbenzene		1	1090	µg/Kg	1	1000	<7.57	109	74.6 - 137
1,3,5-Trimethylbenzene		1	1110	µg/Kg	1	1000	<8.63	111	77.6 - 123
tert-Butylbenzene		1	1170	µg/Kg	1	1000	<8.05	117	75.7 - 127
1,2,4-Trimethylbenzene		1	1080	µg/Kg	1	1000	<7.83	108	81.3 - 121
1,4-Dichlorobenzene (para)		1	967	µg/Kg	1	1000	<8.73	97	76.6 - 119
sec-Butylbenzene		1	1100	µg/Kg	1	1000	<7.27	110	70.1 - 132
1,3-Dichlorobenzene (meta)		1	1010	µg/Kg	1	1000	<7.14	101	76.1 - 122
p-Isopropyltoluene			1090	µg/Kg	1	1000	<6.27	109	72.2 - 132
4-Chlorotoluene		1	1040	µg/Kg	1	1000	<9.32	104	81.4 - 118
1,2-Dichlorobenzene (ortho)		1	994	µg/Kg	1	1000	<9.10	99	77.7 - 120
n-Butylbenzene		1	1020	µg/Kg	1	1000	7.51	102	66 - 134
1,2-Dibromo-3-chloropropane			887	µg/Kg	1	1000	<7.61	89	59 - 133
1,2,3-Trichlorobenzene		1	687	µg/Kg	1	1000	21.8	69	60.5 - 143
1,2,4-Trichlorobenzene		1	713	µg/Kg	1	1000	13.6	71	70.6 - 128
Naphthalene		1	814	µg/Kg	1	1000	52.4	81	60.4 - 136
Hexachlorobutadiene		1	949	µg/Kg	1	1000	38.7	95	64.8 - 137

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		1	1040	µg/Kg	1	1000	<6.32	104	84.1 - 125	2	20
Dichlorodifluoromethane		1	898	µg/Kg	1	1000	<14.8	90	26.3 - 150	0	20
Chloromethane (methyl chloride)		1	895	µg/Kg	1	1000	<4.71	90	53.3 - 141	0	20
Vinyl Chloride		1	952	µg/Kg	1	1000	<13.4	95	60.8 - 131	2	20
Bromomethane (methyl bromide)		1	896	µg/Kg	1	1000	<6.35	90	30.4 - 169	1	20
Chloroethane		1	872	µg/Kg	1	1000	<9.44	87	51.8 - 147	4	20
Trichlorofluoromethane		1	1050	µg/Kg	1	1000	<14.5	105	34.8 - 161	0	20
Acetone		1	1200	µg/Kg	1	1000	<17.8	120	24.1 - 188	10	20
Iodomethane (methyl iodide)		1	1020	µg/Kg	1	1000	<5.41	102	82.4 - 134	4	20
Carbon Disulfide		1	1040	µg/Kg	1	1000	<5.35	104	77.8 - 132	4	20
Acrylonitrile		1	982	µg/Kg	1	1000	<4.14	98	68.8 - 137	8	20
2-Butanone (MEK)		1	984	µg/Kg	1	1000	<9.84	98	53.8 - 140	5	20

continued . . .

control spikes continued . . .

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)		1	994	µg/Kg	1	1000	<8.20	99	64.9 - 144	5	20
2-Hexanone		1	911	µg/Kg	1	1000	<8.76	91	54.3 - 153	1	20
trans 1,4-Dichloro-2-butene		1	715	µg/Kg	1	1000	<4.93	72	40.6 - 175	1	20
1,1-Dichloroethene		1	1010	µg/Kg	1	1000	<5.79	101	68.5 - 137	3	20
Methylene chloride		1	1030	µg/Kg	1	1000	13.8	103	76.2 - 135	4	20
MTBE		1	1020	µg/Kg	1	1000	<4.10	102	58 - 152	3	20
trans-1,2-Dichloroethene		1	1030	µg/Kg	1	1000	<6.29	103	79.5 - 124	3	20
1,1-Dichloroethane		1	1020	µg/Kg	1	1000	<5.57	102	77.7 - 128	1	20
cis-1,2-Dichloroethene		1	1040	µg/Kg	1	1000	<5.26	104	77.9 - 128	1	20
2,2-Dichloropropane		1	1010	µg/Kg	1	1000	<5.63	101	59.9 - 150	1	20
1,2-Dichloroethane (EDC)		1	935	µg/Kg	1	1000	<5.15	94	68.8 - 137	1	20
Chloroform		1	1010	µg/Kg	1	1000	<4.16	101	76.6 - 128	2	20
1,1,1-Trichloroethane		1	1020	µg/Kg	1	1000	<6.24	102	73.3 - 136	2	20
1,1-Dichloropropene		1	1040	µg/Kg	1	1000	<5.91	104	79.5 - 126	2	20
Benzene		1	1030	µg/Kg	1	1000	<6.07	103	81.4 - 120	2	20
Carbon Tetrachloride		1	1120	µg/Kg	1	1000	<5.11	112	57.5 - 159	2	20
1,2-Dichloropropane		1	1030	µg/Kg	1	1000	<5.72	103	76.8 - 130	2	20
Trichloroethene (TCE)		1	1060	µg/Kg	1	1000	<6.27	106	72.1 - 137	1	20
Dibromomethane (methylene bromide)		1	993	µg/Kg	1	1000	<4.27	99	80 - 127	4	20
Bromodichloromethane		1	1020	µg/Kg	1	1000	<7.65	102	78.6 - 133	1	20
2-Chloroethyl vinyl ether		1	867	µg/Kg	1	1000	<5.27	87	24.8 - 167	8	20
cis-1,3-Dichloropropene		1	1050	µg/Kg	1	1000	<5.54	105	81.5 - 133	2	20
trans-1,3-Dichloropropene		1	1030	µg/Kg	1	1000	<4.16	103	77.4 - 138	2	20
Toluene		1	1030	µg/Kg	1	1000	<7.42	103	83.7 - 121	2	20
1,1,2-Trichloroethane		1	986	µg/Kg	1	1000	<6.33	99	79.1 - 120	3	20
1,3-Dichloropropane		1	976	µg/Kg	1	1000	<6.15	98	78.1 - 121	2	20
Dibromochloromethane		1	1080	µg/Kg	1	1000	<6.63	108	84.5 - 129	3	20
1,2-Dibromoethane (EDB)		1	982	µg/Kg	1	1000	<6.11	98	80.8 - 121	2	20
Tetrachloroethene (PCE)		1	1090	µg/Kg	1	1000	<12.7	109	31.3 - 169	5	20
Chlorobenzene		1	1020	µg/Kg	1	1000	<7.83	102	82.8 - 118	3	20
1,1,1,2-Tetrachloroethane		1	1090	µg/Kg	1	1000	<4.71	109	81.8 - 128	3	20
Ethylbenzene		1	1040	µg/Kg	1	1000	<7.70	104	83.4 - 117	3	20
m,p-Xylene		1	2030	µg/Kg	1	2000	<14.7	102	86.2 - 116	3	20
Bromoform		1	1070	µg/Kg	1	1000	<5.65	107	71.9 - 138	4	20
Styrene		1	998	µg/Kg	1	1000	<7.89	100	86.4 - 121	3	20
o-Xylene		1	1030	µg/Kg	1	1000	<7.92	103	87.3 - 117	3	20
1,1,2,2-Tetrachloroethane		1	920	µg/Kg	1	1000	<5.15	92	64.4 - 135	4	20
2-Chlorotoluene		1	1100	µg/Kg	1	1000	<8.18	110	78.3 - 120	1	20
1,2,3-Trichloropropane		1	1250	µg/Kg	1	1000	<7.71	125	62.8 - 133	1	20
Isopropylbenzene		1	1180	µg/Kg	1	1000	<9.13	118	79.1 - 124	0	20
Bromobenzene		1	1090	µg/Kg	1	1000	<6.72	109	77.9 - 119	1	20
n-Propylbenzene		1	1120	µg/Kg	1	1000	<7.57	112	74.6 - 137	3	20
1,3,5-Trimethylbenzene		1	1120	µg/Kg	1	1000	<8.63	112	77.6 - 123	1	20
tert-Butylbenzene		1	1190	µg/Kg	1	1000	<8.05	119	75.7 - 127	2	20
1,2,4-Trimethylbenzene		1	1120	µg/Kg	1	1000	<7.83	112	81.3 - 121	4	20
1,4-Dichlorobenzene (para)		1	992	µg/Kg	1	1000	<8.73	99	76.6 - 119	3	20
sec-Butylbenzene		1	1120	µg/Kg	1	1000	<7.27	112	70.1 - 132	2	20

continued . . .

control spikes continued ...

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,3-Dichlorobenzene (meta)		1	1040	µg/Kg	1	1000	<7.14	104	76.1 - 122	3	20
p-Isopropyltoluene			1120	µg/Kg	1	1000	<6.27	112	72.2 - 132	3	20
4-Chlorotoluene		1	1060	µg/Kg	1	1000	<9.32	106	81.4 - 118	2	20
1,2-Dichlorobenzene (ortho)		1	1040	µg/Kg	1	1000	<9.10	104	77.7 - 120	4	20
n-Butylbenzene		1	1040	µg/Kg	1	1000	7.51	104	66 - 134	2	20
1,2-Dibromo-3-chloropropane			958	µg/Kg	1	1000	<7.61	96	59 - 133	8	20
1,2,3-Trichlorobenzene		1	732	µg/Kg	1	1000	21.8	73	60.5 - 143	6	20
1,2,4-Trichlorobenzene		1	740	µg/Kg	1	1000	13.6	74	70.6 - 128	4	20
Naphthalene		1	880	µg/Kg	1	1000	52.4	88	60.4 - 136	8	20
Hexachlorobutadiene		1	973	µg/Kg	1	1000	38.7	97	64.8 - 137	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane			993	989	µg/Kg	1	1000	99	99	70 - 130
Toluene-d8			993	993	µg/Kg	1	1000	99	99	70 - 130
4-Bromofluorobenzene (4-BFB)			932	922	µg/Kg	1	1000	93	92	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 84122 | Date Analyzed: 2011-08-22 | Analyzed By: RR
Prep Batch: 71419 | QC Preparation: 2011-08-22 | Prepared By: KV

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver		1	12.4	mg/Kg	1	12.5	<0.0369	99	85 - 115
Total Arsenic		1	53.6	mg/Kg	1	50.0	<0.274	107	85 - 115
Total Barium		1	103	mg/Kg	1	100	<0.228	103	85 - 115
Total Cadmium		1	26.7	mg/Kg	1	25.0	<0.0558	107	85 - 115
Total Chromium		1	9.78	mg/Kg	1	10.0	<0.134	98	85 - 115
Total Lead		1	53.6	mg/Kg	1	50.0	<0.196	107	85 - 115
Total Selenium		1	50.9	mg/Kg	1	50.0	<0.212	102	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver		1	12.3	mg/Kg	1	12.5	<0.0369	98	85 - 115	1	20
Total Arsenic		1	53.4	mg/Kg	1	50.0	<0.274	107	85 - 115	0	20
Total Barium		1	103	mg/Kg	1	100	<0.228	103	85 - 115	0	20
Total Cadmium		1	26.6	mg/Kg	1	25.0	<0.0558	106	85 - 115	0	20
Total Chromium		1	9.77	mg/Kg	1	10.0	<0.134	98	85 - 115	0	20
Total Lead		1	52.1	mg/Kg	1	50.0	<0.196	104	85 - 115	3	20
Total Selenium		1	50.2	mg/Kg	1	50.0	<0.212	100	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 84158 | Date Analyzed: 2011-08-21 | Analyzed By: BP
Prep Batch: 71448 | QC Preparation: 2011-08-19 | Prepared By: EB

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
C6-C12		1	243	mg/Kg	1	250	<12.9	97	81.6 - 129
>C12-C28		1	231	mg/Kg	1	250	<11.2	92	72.3 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
C6-C12		1	235	mg/Kg	1	250	<12.9	94	81.6 - 129	3	20
>C12-C28		1	233	mg/Kg	1	250	<11.2	93	72.3 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Octane			105	103	mg/Kg	1	100	105	103	55.1 - 140
n-Tricosane			94.0	91.2	mg/Kg	1	100	94	91	65.2 - 142
n-Triacontane			102	98.5	mg/Kg	1	100	102	98	68.8 - 145

Laboratory Control Spike (LCS-1)

QC Batch: 84179 | Date Analyzed: 2011-08-23 | Analyzed By: TP
Prep Batch: 71476 | QC Preparation: 2011-08-23 | Prepared By: TP

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury		1	0.246	mg/Kg	1	0.250	<0.00198	98	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury		1	0.261	mg/Kg	1	0.250	<0.00198	104	80 - 120	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 84212 | Date Analyzed: 2011-08-24 | Analyzed By: MN
Prep Batch: 71499 | QC Preparation: 2011-08-23 | Prepared By: MN

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Pyridine		1	1.12	mg/Kg	1	2.67	<0.0360	42	10 - 74.9
N-Nitrosodimethylamine		1	1.28	mg/Kg	1	2.67	<0.0663	48	10.6 - 81.1
2-Picoline		1	1.34	mg/Kg	1	2.67	<0.0564	50	20.9 - 76.8
Methyl methanesulfonate		1	1.23	mg/Kg	1	2.67	<0.0517	46	19.1 - 71.3
Ethyl methanesulfonate		1	1.35	mg/Kg	1	2.67	<0.0564	50	22.4 - 86.3
Phenol		1	1.27	mg/Kg	1	2.67	<0.0440	48	14.4 - 85.2
Aniline		1	1.35	mg/Kg	1	2.67	<0.0521	50	10 - 95.4
bis(2-chloroethyl)ether		1	1.34	mg/Kg	1	2.67	<0.0481	50	13.8 - 95.3
2-Chlorophenol		1	1.33	mg/Kg	1	2.67	<0.0448	50	21.9 - 83.8
1,3-Dichlorobenzene (meta)		1	1.29	mg/Kg	1	2.67	<0.0343	48	25.3 - 80.6
1,4-Dichlorobenzene (para)		1	1.30	mg/Kg	1	2.67	<0.0287	49	19 - 77
Benzyl alcohol		1	1.54	mg/Kg	1	2.67	<0.0254	58	10 - 125
1,2-Dichlorobenzene (ortho)		1	1.29	mg/Kg	1	2.67	<0.0583	48	23.5 - 81.2
2-Methylphenol		1	1.40	mg/Kg	1	2.67	<0.0360	52	19.1 - 83.2
bis(2-chloroisopropyl)ether		1	1.27	mg/Kg	1	2.67	<0.0539	48	17.2 - 84.2
4-Methylphenol / 3-Methylphenol		1	1.51	mg/Kg	1	2.67	<0.0586	56	18.7 - 88.6
Acetophenone		1	1.41	mg/Kg	1	2.67	<0.0339	53	34.1 - 80.5
N-Nitrosodi-n-propylamine		1	1.49	mg/Kg	1	2.67	<0.0529	56	23.3 - 85.4
Hexachloroethane		1	1.28	mg/Kg	1	2.67	<0.0526	48	24.3 - 74.9
Nitrobenzene		1	1.54	mg/Kg	1	2.67	<0.0414	58	29 - 76.7
N-Nitrosopiperidine		1	1.57	mg/Kg	1	2.67	<0.0481	59	27.8 - 97.8
Isophorone		1	1.58	mg/Kg	1	2.67	<0.0540	59	28 - 90
2-Nitrophenol		1	1.93	mg/Kg	1	2.67	<0.0471	72	18 - 111
2,4-Dimethylphenol		1	1.52	mg/Kg	1	2.67	<0.0398	57	32.6 - 88.3
bis(2-chloroethoxy)methane		1	1.44	mg/Kg	1	2.67	<0.0514	54	19.9 - 98.1
Benzoic acid		1	2.39	mg/Kg	1	2.67	<0.0398	90	10 - 119
2,4-Dichlorophenol		1	1.59	mg/Kg	1	2.67	<0.0310	60	35.5 - 90
1,2,4-Trichlorobenzene		1	1.35	mg/Kg	1	2.67	<0.0338	50	32.5 - 81.2
Naphthalene		1	1.38	mg/Kg	1	2.67	<0.0543	52	33.4 - 80.7
4-Chloroaniline		1	1.60	mg/Kg	1	2.67	<0.0410	60	10 - 176
2,6-Dichlorophenol		1	1.55	mg/Kg	1	2.67	<0.0351	58	37.5 - 83.9
Hexachlorobutadiene		1	1.31	mg/Kg	1	2.67	<0.0388	49	28.5 - 80.1
N-Nitroso-di-n-butylamine		1	1.74	mg/Kg	1	2.67	<0.0549	65	27.3 - 97.7
4-Chloro-3-methylphenol		1	1.92	mg/Kg	1	2.67	<0.0266	72	10 - 120
1-Methylnaphthalene			1.51	mg/Kg	1	2.67	<0.0526	56	32.5 - 85
2-Methylnaphthalene		1	1.51	mg/Kg	1	2.67	<0.0482	56	33.7 - 84
1,2,4,5-Tetrachlorobenzene		1	1.38	mg/Kg	1	2.67	<0.0387	52	27 - 91.3
Hexachlorocyclopentadiene		1	2.32	mg/Kg	1	2.67	<0.0978	87	10 - 140
2,4,6-Trichlorophenol		1	1.88	mg/Kg	1	2.67	<0.0444	70	39.3 - 106
2,4,5-Trichlorophenol		1	2.18	mg/Kg	1	2.67	<0.0564	82	42.6 - 103
2-Chloronaphthalene		1	1.52	mg/Kg	1	2.67	<0.0471	57	35.4 - 85.2
1-Chloronaphthalene		1	1.43	mg/Kg	1	2.67	<0.0589	54	30.8 - 90.6
2-Nitroaniline		1	2.19	mg/Kg	1	2.67	<0.0410	82	43.6 - 96.3
Dimethylphthalate		1	1.96	mg/Kg	1	2.67	<0.0620	73	48.1 - 98.9
Acenaphthylene		1	1.62	mg/Kg	1	2.67	<0.0555	61	36.3 - 89.5
2,6-Dinitrotoluene		1	2.38	mg/Kg	1	2.67	<0.0556	89	42 - 117
3-Nitroaniline		1	2.38	mg/Kg	1	2.67	<0.0465	89	38.9 - 114
Acenaphthene		1	1.66	mg/Kg	1	2.67	<0.0558	62	37.5 - 91.6

continued ...

control spikes continued ...

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2,4-Dinitrophenol		1	2.42	mg/Kg	1	2.67	<0.0835	91	10 - 122
Dibenzofuran		1	1.70	mg/Kg	1	2.67	<0.0443	64	46.5 - 90.4
Pentachlorobenzene		1	1.77	mg/Kg	1	2.67	<0.0480	66	43.9 - 89.2
4-Nitrophenol		1	2.35	mg/Kg	1	2.67	<0.0221	88	10 - 124
1-Naphthylamine		1	1.74	mg/Kg	1	2.67	<0.0343	65	14.6 - 119
2,4-Dinitrotoluene		1	2.38	mg/Kg	1	2.67	<0.0631	89	60.8 - 104
2-Naphthylamine		1	1.71	mg/Kg	1	2.67	<0.0504	64	26.2 - 112
2,3,4,6-Tetrachlorophenol		1	2.57	mg/Kg	1	2.67	<0.0211	96	36.4 - 128
Fluorene		1	1.85	mg/Kg	1	2.67	<0.0623	69	51 - 89.2
Diethylphthalate		1	2.06	mg/Kg	1	2.67	<0.0543	77	51.7 - 100
4-Chlorophenyl-phenylether		1	1.83	mg/Kg	1	2.67	<0.0470	68	51.3 - 88.3
4-Nitroaniline		1	2.30	mg/Kg	1	2.67	<0.104	86	52.1 - 124
4,6-Dinitro-2-methylphenol		1	2.91	mg/Kg	1	2.67	<0.0875	109	10 - 162
Diphenylamine		1	2.18	mg/Kg	1	2.67	<0.0564	82	51.6 - 91.4
Diphenylhydrazine			1.85	mg/Kg	1	2.67	<0.0644	69	40.7 - 96.5
4-Bromophenyl-phenylether		1	2.17	mg/Kg	1	2.67	<0.0512	81	42.5 - 100
Phenacetin		1	2.05	mg/Kg	1	2.67	<0.0522	77	60.3 - 86.2
Hexachlorobenzene		1	1.91	mg/Kg	1	2.67	<0.0446	72	43.4 - 101
4-Aminobiphenyl		1	2.32	mg/Kg	1	2.67	<0.0352	87	10.3 - 135
Pentachlorophenol		1	2.86	mg/Kg	1	2.67	<0.0580	107	10 - 142
Pentachloronitrobenzene		1	2.28	mg/Kg	1	2.67	<0.0346	85	46 - 105
Pronamide		1	2.07	mg/Kg	1	2.67	<0.0580	78	48.4 - 98.5
Phenanthrene		1	1.96	mg/Kg	1	2.67	<0.0536	73	54.2 - 91
Anthracene		1	1.97	mg/Kg	1	2.67	<0.0361	74	51.1 - 94.8
Di-n-butylphthalate		1	2.05	mg/Kg	1	2.67	<0.0529	77	47.1 - 103
Fluoranthene		1	1.97	mg/Kg	1	2.67	<0.0341	74	47.9 - 101
Benzidine		1	2.43	mg/Kg	1	2.67	<0.0686	91	10 - 219
Pyrene		1	2.05	mg/Kg	1	2.67	<0.0390	77	55.4 - 94.3
p-Dimethylaminoazobenzene			2.02	mg/Kg	1	2.67	<0.0525	76	54.4 - 108
Butylbenzylphthalate		1	2.07	mg/Kg	1	2.67	<0.0687	78	47.5 - 108
Benzo(a)anthracene		1	1.91	mg/Kg	1	2.67	<0.0372	72	49.8 - 103
3,3-Dichlorobenzidine		1	2.15	mg/Kg	1	2.67	<0.0490	80	33.7 - 116
Chrysene		1	1.95	mg/Kg	1	2.67	<0.0498	73	19.5 - 151
bis(2-ethylhexyl)phthalate		1	2.03	mg/Kg	1	2.67	<0.0705	76	26.1 - 160
Di-n-octylphthalate		1	2.06	mg/Kg	1	2.67	<0.0680	77	32.5 - 126
Benzo(b)fluoranthene		1	1.89	mg/Kg	1	2.67	<0.0382	71	33.4 - 90.2
7,12-Dimethylbenz(a)anthracene		1	1.91	mg/Kg	1	2.67	<0.0294	72	37.1 - 84.9
Benzo(k)fluoranthene	Qs	1	2.20	mg/Kg	1	2.67	<0.0469	82	50.6 - 77.7
Benzo(a)pyrene		1	1.97	mg/Kg	1	2.67	<0.0445	74	43 - 85.7
3-Methylcholanthrene		1	1.96	mg/Kg	1	2.67	<0.0322	73	14.5 - 105
Dibenzo(a,j)acridine		1	1.97	mg/Kg	1	2.67	<0.0646	74	42.3 - 87.6
Indeno(1,2,3-cd)pyrene		1	1.98	mg/Kg	1	2.67	<0.0430	74	43.8 - 89.5
Dibenzo(a,h)anthracene		1	1.98	mg/Kg	1	2.67	<0.0472	74	17.8 - 129
Benzo(g,h,i)perylene		1	1.96	mg/Kg	1	2.67	<0.0421	73	38.5 - 95.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Pyridine		1	1.07	mg/Kg	1	2.67	<0.0360	40	10 - 74.9	5	20
N-Nitrosodimethylamine		1	1.21	mg/Kg	1	2.67	<0.0663	45	10.6 - 81.1	6	20
2-Picoline		1	1.28	mg/Kg	1	2.67	<0.0564	48	20.9 - 76.8	5	20
Methyl methanesulfonate		1	1.13	mg/Kg	1	2.67	<0.0517	42	19.1 - 71.3	8	20
Ethyl methanesulfonate		1	1.24	mg/Kg	1	2.67	<0.0564	46	22.4 - 86.3	8	20
Phenol		1	1.14	mg/Kg	1	2.67	<0.0440	43	14.4 - 85.2	11	20
Aniline		1	1.24	mg/Kg	1	2.67	<0.0521	46	10 - 95.4	8	20
bis(2-chloroethyl)ether		1	1.23	mg/Kg	1	2.67	<0.0481	46	13.8 - 95.3	9	20
2-Chlorophenol		1	1.24	mg/Kg	1	2.67	<0.0448	46	21.9 - 83.8	7	20
1,3-Dichlorobenzene (meta)		1	1.22	mg/Kg	1	2.67	<0.0343	46	25.3 - 80.6	6	20
1,4-Dichlorobenzene (para)		1	1.21	mg/Kg	1	2.67	<0.0287	45	19 - 77	7	20
Benzyl alcohol		1	1.33	mg/Kg	1	2.67	<0.0254	50	10 - 125	15	20
1,2-Dichlorobenzene (ortho)		1	1.20	mg/Kg	1	2.67	<0.0583	45	23.5 - 81.2	7	20
2-Methylphenol		1	1.26	mg/Kg	1	2.67	<0.0360	47	19.1 - 83.2	10	20
bis(2-chloroisopropyl)ether		1	1.16	mg/Kg	1	2.67	<0.0539	43	17.2 - 84.2	9	20
4-Methylphenol / 3-Methylphenol		1	1.29	mg/Kg	1	2.67	<0.0586	48	18.7 - 88.6	16	20
Acetophenone		1	1.34	mg/Kg	1	2.67	<0.0339	50	34.1 - 80.5	5	20
N-Nitrosodi-n-propylamine		1	1.27	mg/Kg	1	2.67	<0.0529	48	23.3 - 85.4	16	20
Hexachloroethane		1	1.23	mg/Kg	1	2.67	<0.0526	46	24.3 - 74.9	4	20
Nitrobenzene		1	1.47	mg/Kg	1	2.67	<0.0414	55	29 - 76.7	5	20
N-Nitrosopiperidine		1	1.42	mg/Kg	1	2.67	<0.0481	53	27.8 - 97.8	10	20
Isophorone		1	1.43	mg/Kg	1	2.67	<0.0540	54	28 - 90	10	20
2-Nitrophenol		1	1.86	mg/Kg	1	2.67	<0.0471	70	18 - 111	4	20
2,4-Dimethylphenol		1	1.37	mg/Kg	1	2.67	<0.0398	51	32.6 - 88.3	10	20
bis(2-chloroethoxy)methane		1	1.33	mg/Kg	1	2.67	<0.0514	50	19.9 - 98.1	8	20
Benzoic acid		1	2.26	mg/Kg	1	2.67	<0.0398	85	10 - 119	6	20
2,4-Dichlorophenol		1	1.42	mg/Kg	1	2.67	<0.0310	53	35.5 - 90	11	20
1,2,4-Trichlorobenzene		1	1.29	mg/Kg	1	2.67	<0.0338	48	32.5 - 81.2	4	20
Naphthalene		1	1.28	mg/Kg	1	2.67	<0.0543	48	33.4 - 80.7	8	20
4-Chloroaniline		1	1.42	mg/Kg	1	2.67	<0.0410	53	10 - 176	12	20
2,6-Dichlorophenol		1	1.40	mg/Kg	1	2.67	<0.0351	52	37.5 - 83.9	10	20
Hexachlorobutadiene		1	1.27	mg/Kg	1	2.67	<0.0388	48	28.5 - 80.1	3	20
N-Nitroso-di-n-butylamine		1	1.48	mg/Kg	1	2.67	<0.0549	55	27.3 - 97.7	16	20
4-Chloro-3-methylphenol		1	1.66	mg/Kg	1	2.67	<0.0266	62	10 - 120	14	20
1-Methylnaphthalene			1.33	mg/Kg	1	2.67	<0.0526	50	32.5 - 85	13	20
2-Methylnaphthalene		1	1.33	mg/Kg	1	2.67	<0.0482	50	33.7 - 84	13	20
1,2,4,5-Tetrachlorobenzene		1	1.33	mg/Kg	1	2.67	<0.0387	50	27 - 91.3	4	20
Hexachlorocyclopentadiene		1	2.33	mg/Kg	1	2.67	<0.0978	87	10 - 140	0	20
2,4,6-Trichlorophenol		1	1.77	mg/Kg	1	2.67	<0.0444	66	39.3 - 106	6	20
2,4,5-Trichlorophenol		1	2.07	mg/Kg	1	2.67	<0.0564	78	42.6 - 103	5	20
2-Chloronaphthalene		1	1.37	mg/Kg	1	2.67	<0.0471	51	35.4 - 85.2	10	20
1-Chloronaphthalene		1	1.42	mg/Kg	1	2.67	<0.0589	53	30.8 - 90.6	1	20
2-Nitroaniline		1	2.12	mg/Kg	1	2.67	<0.0410	79	43.6 - 96.3	3	20
Dimethylphthalate		1	1.86	mg/Kg	1	2.67	<0.0620	70	48.1 - 98.9	5	20
Acenaphthylene		1	1.51	mg/Kg	1	2.67	<0.0555	56	36.3 - 89.5	7	20
2,6-Dinitrotoluene		1	2.35	mg/Kg	1	2.67	<0.0556	88	42 - 117	1	20
3-Nitroaniline		1	2.33	mg/Kg	1	2.67	<0.0465	87	38.9 - 114	2	20
Acenaphthene		1	1.55	mg/Kg	1	2.67	<0.0558	58	37.5 - 91.6	7	20

continued ...

control spikes continued ...

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
2,4-Dinitrophenol		1	2.45	mg/Kg	1	2.67	<0.0835	92	10 - 122	1	20
Dibenzofuran		1	1.61	mg/Kg	1	2.67	<0.0443	60	46.5 - 90.4	5	20
Pentachlorobenzene		1	1.67	mg/Kg	1	2.67	<0.0480	62	43.9 - 89.2	6	20
4-Nitrophenol		1	2.42	mg/Kg	1	2.67	<0.0221	91	10 - 124	3	20
1-Naphthylamine		1	1.70	mg/Kg	1	2.67	<0.0343	64	14.6 - 119	2	20
2,4-Dinitrotoluene		1	2.35	mg/Kg	1	2.67	<0.0631	88	60.8 - 104	1	20
2-Naphthylamine		1	1.68	mg/Kg	1	2.67	<0.0504	63	26.2 - 112	2	20
2,3,4,6-Tetrachlorophenol		1	2.50	mg/Kg	1	2.67	<0.0211	94	36.4 - 128	3	20
Fluorene		1	1.76	mg/Kg	1	2.67	<0.0623	66	51 - 89.2	5	20
Diethylphthalate		1	2.02	mg/Kg	1	2.67	<0.0543	76	51.7 - 100	2	20
4-Chlorophenyl-phenylether		1	1.71	mg/Kg	1	2.67	<0.0470	64	51.3 - 88.3	7	20
4-Nitroaniline		1	2.32	mg/Kg	1	2.67	<0.104	87	52.1 - 124	1	20
4,6-Dinitro-2-methylphenol		1	2.76	mg/Kg	1	2.67	<0.0875	103	10 - 162	5	20
Diphenylamine		1	2.00	mg/Kg	1	2.67	<0.0564	75	51.6 - 91.4	9	20
Diphenylhydrazine			1.75	mg/Kg	1	2.67	<0.0644	66	40.7 - 96.5	6	20
4-Bromophenyl-phenylether		1	1.98	mg/Kg	1	2.67	<0.0512	74	42.5 - 100	9	20
Phenacetin		1	1.98	mg/Kg	1	2.67	<0.0522	74	60.3 - 86.2	4	20
Hexachlorobenzene		1	1.78	mg/Kg	1	2.67	<0.0446	67	43.4 - 101	7	20
4-Aminobiphenyl		1	2.21	mg/Kg	1	2.67	<0.0352	83	10.3 - 135	5	20
Pentachlorophenol		1	2.76	mg/Kg	1	2.67	<0.0580	103	10 - 142	4	20
Pentachloronitrobenzene		1	2.16	mg/Kg	1	2.67	<0.0346	81	46 - 105	5	20
Pronamide		1	1.96	mg/Kg	1	2.67	<0.0580	73	48.4 - 98.5	5	20
Phenanthrene		1	1.86	mg/Kg	1	2.67	<0.0536	70	54.2 - 91	5	20
Anthracene		1	1.86	mg/Kg	1	2.67	<0.0361	70	51.1 - 94.8	6	20
Di-n-butylphthalate		1	1.98	mg/Kg	1	2.67	<0.0529	74	47.1 - 103	4	20
Fluoranthene		1	1.91	mg/Kg	1	2.67	<0.0341	72	47.9 - 101	3	20
Benzidine		1	2.67	mg/Kg	1	2.67	<0.0686	100	10 - 219	9	20
Pyrene		1	1.97	mg/Kg	1	2.67	<0.0390	74	55.4 - 94.3	4	20
p-Dimethylaminoazobenzene			1.96	mg/Kg	1	2.67	<0.0525	73	54.4 - 108	3	20
Butylbenzylphthalate		1	1.97	mg/Kg	1	2.67	<0.0687	74	47.5 - 108	5	20
Benzo(a)anthracene		1	1.83	mg/Kg	1	2.67	<0.0372	68	49.8 - 103	4	20
3,3-Dichlorobenzidine		1	2.06	mg/Kg	1	2.67	<0.0490	77	33.7 - 116	4	20
Chrysene		1	1.84	mg/Kg	1	2.67	<0.0498	69	19.5 - 151	6	20
bis(2-ethylhexyl)phthalate		1	1.94	mg/Kg	1	2.67	<0.0705	73	26.1 - 160	4	20
Di-n-octylphthalate		1	1.96	mg/Kg	1	2.67	<0.0680	73	32.5 - 126	5	20
Benzo(b)fluoranthene		1	1.78	mg/Kg	1	2.67	<0.0382	67	33.4 - 90.2	6	20
7,12-Dimethylbenz(a)anthracene		1	1.80	mg/Kg	1	2.67	<0.0294	67	37.1 - 84.9	6	20
Benzo(k)fluoranthene		1	2.02	mg/Kg	1	2.67	<0.0469	76	50.6 - 77.7	8	20
Benzo(a)pyrene		1	1.85	mg/Kg	1	2.67	<0.0445	69	43 - 85.7	6	20
3-Methylcholanthrene		1	1.81	mg/Kg	1	2.67	<0.0322	68	14.5 - 105	8	20
Dibenzo(a,j)acridine		1	1.85	mg/Kg	1	2.67	<0.0646	69	42.3 - 87.6	6	20
Indeno(1,2,3-cd)pyrene		1	1.85	mg/Kg	1	2.67	<0.0430	69	43.8 - 89.5	7	20
Dibenzo(a,h)anthracene		1	1.84	mg/Kg	1	2.67	<0.0472	69	17.8 - 129	7	20
Benzo(g,h,i)perylene		1	1.85	mg/Kg	1	2.67	<0.0421	69	38.5 - 95.2	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol			1.25	1.18	mg/Kg	1	2.67	47	44	10 - 88
Phenol-d5			1.36	1.22	mg/Kg	1	2.67	51	46	10 - 100
Nitrobenzene-d5			1.62	1.55	mg/Kg	1	2.67	61	58	10 - 89.7
2-Fluorobiphenyl			1.47	1.40	mg/Kg	1	2.67	55	52	13 - 93
2,4,6-Tribromophenol			2.60	2.55	mg/Kg	1	2.67	97	96	10 - 99.4
Terphenyl-d14			2.04	1.96	mg/Kg	1	2.67	76	73	38.9 - 94.4

Laboratory Control Spike (LCS-1)

QC Batch: 84229 | Date Analyzed: 2011-08-24 | Analyzed By: DS
Prep Batch: 71517 | QC Preparation: 2011-08-24 | Prepared By: DS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Aroclor 1260 (PCB-1260)		1	0.0554	mg/Kg	1	0.0640	<0.00121	86	41.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Aroclor 1260 (PCB-1260)		1	0.0548	mg/Kg	1	0.0640	<0.00121	86	41.3 - 118	1	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Deca chlorobiphenyl			0.0121	0.0119	mg/Kg	1	0.0167	72	71	58.7 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 84256 | Date Analyzed: 2011-08-25 | Analyzed By: TP
Prep Batch: 71528 | QC Preparation: 2011-08-25 | Prepared By: TP

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury		1	0.265	mg/Kg	1	0.250	<0.00198	106	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury		1	0.259	mg/Kg	1	0.250	<0.00198	104	80 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 275023

QC Batch: 84100 | Date Analyzed: 2011-08-19 | Analyzed By: KB
Prep Batch: 71410 | QC Preparation: 2011-08-19 | Prepared By: KB

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		1	1260	µg/Kg	1	1000	<6.32	126	34.3 - 179
Dichlorodifluoromethane		1	867	µg/Kg	1	1000	<14.8	87	10 - 172
Chloromethane (methyl chloride)		1	973	µg/Kg	1	1000	<4.71	97	10 - 209
Vinyl Chloride		1	1060	µg/Kg	1	1000	<13.4	106	10 - 185
Bromomethane (methyl bromide)		1	347	µg/Kg	1	1000	<6.35	35	10 - 60.4
Chloroethane		1	241	µg/Kg	1	1000	<9.44	24	10 - 41.2
Trichlorofluoromethane		1	920	µg/Kg	1	1000	<14.5	92	10 - 179
Acetone		1	846	µg/Kg	1	1000	<17.8	85	10 - 158
Iodomethane (methyl iodide)		1	1290	µg/Kg	1	1000	<5.41	129	14.3 - 180
Carbon Disulfide		1	1390	µg/Kg	1	1000	<5.35	139	12.4 - 169
Acrylonitrile		1	1020	µg/Kg	1	1000	<4.14	102	13.5 - 169
2-Butanone (MEK)		1	888	µg/Kg	1	1000	<9.84	89	15 - 153
4-Methyl-2-pentanone (MIBK)		1	938	µg/Kg	1	1000	<8.20	94	24.5 - 153
2-Hexanone		1	761	µg/Kg	1	1000	<8.76	76	16 - 133
trans 1,4-Dichloro-2-butene		1	715	µg/Kg	1	1000	<4.93	72	10 - 175
1,1-Dichloroethene		1	1300	µg/Kg	1	1000	<5.79	130	21.3 - 204
Methylene chloride		1	1280	µg/Kg	1	1000	15.6	126	29.6 - 183
MTBE		1	1060	µg/Kg	1	1000	<4.10	106	10 - 231
trans-1,2-Dichloroethene		1	1300	µg/Kg	1	1000	<6.29	130	34.8 - 179
1,1-Dichloroethane		1	1210	µg/Kg	1	1000	<5.57	121	27.5 - 185
cis-1,2-Dichloroethene		1	1310	µg/Kg	1	1000	<5.26	131	35.1 - 181
2,2-Dichloropropane		1	844	µg/Kg	1	1000	<5.63	84	10 - 151
1,2-Dichloroethane (EDC)		1	981	µg/Kg	1	1000	<5.15	98	14.8 - 178
Chloroform		1	1170	µg/Kg	1	1000	<4.16	117	26.3 - 182
1,1,1-Trichloroethane		1	1110	µg/Kg	1	1000	<6.24	111	17.1 - 168
1,1-Dichloropropene		1	1240	µg/Kg	1	1000	<5.91	124	26.8 - 187
Benzene		1	1270	µg/Kg	1	1000	<6.07	127	22.1 - 195
Carbon Tetrachloride		1	1060	µg/Kg	1	1000	<5.11	106	16.1 - 167
1,2-Dichloropropane		1	1240	µg/Kg	1	1000	<5.72	124	33.8 - 184
Trichloroethene (TCE)		1	1420	µg/Kg	1	1000	<6.27	142	24 - 242
Dibromomethane (methylene bromide)		1	1070	µg/Kg	1	1000	<4.27	107	27.3 - 170
Bromodichloromethane		1	1040	µg/Kg	1	1000	<7.65	104	19.3 - 174
2-Chloroethyl vinyl ether		1	1170	µg/Kg	1	1000	<5.27	117	17.8 - 166
cis-1,3-Dichloropropene		1	1140	µg/Kg	1	1000	<5.54	114	28 - 184
trans-1,3-Dichloropropene		1	1070	µg/Kg	1	1000	<4.16	107	19.8 - 185
Toluene		1	1280	µg/Kg	1	1000	<7.42	128	27.8 - 194
1,1,2-Trichloroethane		1	1020	µg/Kg	1	1000	<6.33	102	33.2 - 163
1,3-Dichloropropane		1	1030	µg/Kg	1	1000	<6.15	103	31 - 168
Dibromochloromethane		1	960	µg/Kg	1	1000	<6.63	96	17.4 - 163
1,2-Dibromoethane (EDB)		1	1060	µg/Kg	1	1000	<6.11	106	26.1 - 167
Tetrachloroethene (PCE)		1	1910	µg/Kg	1	1000	<12.7	191	19 - 251
Chlorobenzene		1	1250	µg/Kg	1	1000	<7.83	125	37 - 179
1,1,1,2-Tetrachloroethane		1	1130	µg/Kg	1	1000	<4.71	113	23.9 - 180

continued ...

matrix spikes continued ...

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ethylbenzene		1	1270	µg/Kg	1	1000	<7.70	127	29.1 - 191
m,p-Xylene		1	2480	µg/Kg	1	2000	<14.7	124	33.8 - 188
Bromoform		1	809	µg/Kg	1	1000	<5.65	81	10 - 145
Styrene		1	1260	µg/Kg	1	1000	<7.89	126	36.3 - 186
o-Xylene		1	1240	µg/Kg	1	1000	<7.92	124	31.2 - 188
1,1,2,2-Tetrachloroethane		1	742	µg/Kg	1	1000	<5.15	74	10 - 158
2-Chlorotoluene		1	1320	µg/Kg	1	1000	<8.18	132	32.8 - 183
1,2,3-Trichloropropane		1	1150	µg/Kg	1	1000	<7.71	115	22.7 - 157
Isopropylbenzene		1	1450	µg/Kg	1	1000	<9.13	145	38.3 - 191
Bromobenzene		1	1220	µg/Kg	1	1000	<6.72	122	31.8 - 172
n-Propylbenzene		1	1420	µg/Kg	1	1000	<7.57	142	40.1 - 190
1,3,5-Trimethylbenzene		1	1400	µg/Kg	1	1000	<8.63	140	36.9 - 190
tert-Butylbenzene		1	1510	µg/Kg	1	1000	<8.05	151	38.5 - 198
1,2,4-Trimethylbenzene		1	1420	µg/Kg	1	1000	<7.83	142	36.7 - 194
1,4-Dichlorobenzene (para)		1	1240	µg/Kg	1	1000	<8.73	124	38.3 - 178
sec-Butylbenzene		1	1500	µg/Kg	1	1000	<7.27	150	41.6 - 201
1,3-Dichlorobenzene (meta)		1	1320	µg/Kg	1	1000	<7.14	132	39.4 - 181
p-Isopropyltoluene			1540	µg/Kg	1	1000	<6.27	154	37.3 - 209
4-Chlorotoluene		1	1310	µg/Kg	1	1000	<9.32	131	36.2 - 183
1,2-Dichlorobenzene (ortho)		1	1190	µg/Kg	1	1000	<9.10	119	39.4 - 172
n-Butylbenzene		1	1530	µg/Kg	1	1000	<7.29	153	34.1 - 211
1,2-Dibromo-3-chloropropane			610	µg/Kg	1	1000	<7.61	61	12.4 - 120
1,2,3-Trichlorobenzene		1	617	µg/Kg	1	1000	<7.32	62	14.1 - 174
1,2,4-Trichlorobenzene		1	842	µg/Kg	1	1000	<6.66	84	21.5 - 196
Naphthalene		1	502	µg/Kg	1	1000	<7.66	50	10 - 162
Hexachlorobutadiene		1	1300	µg/Kg	1	1000	<12.3	130	33.5 - 215

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		1	1060	µg/Kg	1	1000	<6.32	106	34.3 - 179	17	20
Dichlorodifluoromethane	Qr	1	698	µg/Kg	1	1000	<14.8	70	10 - 172	22	20
Chloromethane (methyl chloride)		1	797	µg/Kg	1	1000	<4.71	80	10 - 209	20	20
Vinyl Chloride		1	888	µg/Kg	1	1000	<13.4	89	10 - 185	18	20
Bromomethane (methyl bromide)	Qr	1	270	µg/Kg	1	1000	<6.35	27	10 - 60.4	25	20
Chloroethane	Qr	1	188	µg/Kg	1	1000	<9.44	19	10 - 41.2	25	20
Trichlorofluoromethane	Qr	1	734	µg/Kg	1	1000	<14.5	73	10 - 179	22	20
Acetone		1	851	µg/Kg	1	1000	<17.8	85	10 - 158	1	20
Iodomethane (methyl iodide)		1	1090	µg/Kg	1	1000	<5.41	109	14.3 - 180	17	20
Carbon Disulfide		1	1170	µg/Kg	1	1000	<5.35	117	12.4 - 169	17	20
Acrylonitrile		1	845	µg/Kg	1	1000	<4.14	84	13.5 - 169	19	20
2-Butanone (MEK)		1	763	µg/Kg	1	1000	<9.84	76	15 - 153	15	20
4-Methyl-2-pentanone (MIBK)		1	786	µg/Kg	1	1000	<8.20	79	24.5 - 153	18	20
2-Hexanone		1	638	µg/Kg	1	1000	<8.76	64	16 - 133	18	20
trans 1,4-Dichloro-2-butene		1	588	µg/Kg	1	1000	<4.93	59	10 - 175	20	20
1,1-Dichloroethene		1	1100	µg/Kg	1	1000	<5.79	110	21.3 - 204	17	20
Methylene chloride		1	1080	µg/Kg	1	1000	15.6	106	29.6 - 183	17	20

continued ...

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
MTBE		1	893	µg/Kg	1	1000	<4.10	89	10 - 231	17	20
trans-1,2-Dichloroethene		1	1100	µg/Kg	1	1000	<6.29	110	34.8 - 179	17	20
1,1-Dichloroethane		1	1000	µg/Kg	1	1000	<5.57	100	27.5 - 185	19	20
cis-1,2-Dichloroethene		1	1110	µg/Kg	1	1000	<5.26	111	35.1 - 181	16	20
2,2-Dichloropropane		1	705	µg/Kg	1	1000	<5.63	70	10 - 151	18	20
1,2-Dichloroethane (EDC)		1	814	µg/Kg	1	1000	<5.15	81	14.8 - 178	19	20
Chloroform		1	965	µg/Kg	1	1000	<4.16	96	26.3 - 182	19	20
1,1,1-Trichloroethane		1	919	µg/Kg	1	1000	<6.24	92	17.1 - 168	19	20
1,1-Dichloropropene		1	1030	µg/Kg	1	1000	<5.91	103	26.8 - 187	18	20
Benzene		1	1080	µg/Kg	1	1000	<6.07	108	22.1 - 195	16	20
Carbon Tetrachloride		1	900	µg/Kg	1	1000	<5.11	90	16.1 - 167	16	20
1,2-Dichloropropane		1	1040	µg/Kg	1	1000	<5.72	104	33.8 - 184	18	20
Trichloroethene (TCE)		1	1200	µg/Kg	1	1000	<6.27	120	24 - 242	17	20
Dibromomethane (methylene bromide)		1	898	µg/Kg	1	1000	<4.27	90	27.3 - 170	18	20
Bromodichloromethane		1	869	µg/Kg	1	1000	<7.65	87	19.3 - 174	18	20
2-Chloroethyl vinyl ether		1	1010	µg/Kg	1	1000	<5.27	101	17.8 - 166	15	20
cis-1,3-Dichloropropene		1	943	µg/Kg	1	1000	<5.54	94	28 - 184	19	20
trans-1,3-Dichloropropene		1	882	µg/Kg	1	1000	<4.16	88	19.8 - 185	19	20
Toluene		1	1070	µg/Kg	1	1000	<7.42	107	27.8 - 194	18	20
1,1,2-Trichloroethane		1	870	µg/Kg	1	1000	<6.33	87	33.2 - 163	16	20
1,3-Dichloropropane		1	869	µg/Kg	1	1000	<6.15	87	31 - 168	17	20
Dibromochloromethane		1	801	µg/Kg	1	1000	<6.63	80	17.4 - 163	18	20
1,2-Dibromoethane (EDB)		1	882	µg/Kg	1	1000	<6.11	88	26.1 - 167	18	20
Tetrachloroethene (PCE)		1	1600	µg/Kg	1	1000	<12.7	160	19 - 251	18	20
Chlorobenzene		1	1050	µg/Kg	1	1000	<7.83	105	37 - 179	17	20
1,1,1,2-Tetrachloroethane		1	943	µg/Kg	1	1000	<4.71	94	23.9 - 180	18	20
Ethylbenzene		1	1070	µg/Kg	1	1000	<7.70	107	29.1 - 191	17	20
m,p-Xylene		1	2080	µg/Kg	1	2000	<14.7	104	33.8 - 188	18	20
Bromoform		1	673	µg/Kg	1	1000	<5.65	67	10 - 145	18	20
Styrene		1	1060	µg/Kg	1	1000	<7.89	106	36.3 - 186	17	20
o-Xylene		1	1040	µg/Kg	1	1000	<7.92	104	31.2 - 188	18	20
1,1,2,2-Tetrachloroethane		1	628	µg/Kg	1	1000	<5.15	63	10 - 158	17	20
2-Chlorotoluene		1	1110	µg/Kg	1	1000	<8.18	111	32.8 - 183	17	20
1,2,3-Trichloropropane		1	956	µg/Kg	1	1000	<7.71	96	22.7 - 157	18	20
Isopropylbenzene		1	1220	µg/Kg	1	1000	<9.13	122	38.3 - 191	17	20
Bromobenzene		1	1010	µg/Kg	1	1000	<6.72	101	31.8 - 172	19	20
n-Propylbenzene		1	1210	µg/Kg	1	1000	<7.57	121	40.1 - 190	16	20
1,3,5-Trimethylbenzene		1	1180	µg/Kg	1	1000	<8.63	118	36.9 - 190	17	20
tert-Butylbenzene		1	1290	µg/Kg	1	1000	<8.05	129	38.5 - 198	16	20
1,2,4-Trimethylbenzene		1	1200	µg/Kg	1	1000	<7.83	120	36.7 - 194	17	20
1,4-Dichlorobenzene (para)		1	1070	µg/Kg	1	1000	<8.73	107	38.3 - 178	15	20
sec-Butylbenzene		1	1280	µg/Kg	1	1000	<7.27	128	41.6 - 201	16	20
1,3-Dichlorobenzene (meta)		1	1130	µg/Kg	1	1000	<7.14	113	39.4 - 181	16	20
p-Isopropyltoluene			1310	µg/Kg	1	1000	<6.27	131	37.3 - 209	16	20
4-Chlorotoluene		1	1100	µg/Kg	1	1000	<9.32	110	36.2 - 183	17	20
1,2-Dichlorobenzene (ortho)		1	1020	µg/Kg	1	1000	<9.10	102	39.4 - 172	15	20
n-Butylbenzene		1	1350	µg/Kg	1	1000	<7.29	135	34.1 - 211	12	20

continued ...

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dibromo-3-chloropropane			522	µg/Kg	1	1000	<7.61	52	12.4 - 120	16	20
1,2,3-Trichlorobenzene		1	685	µg/Kg	1	1000	<7.32	68	14.1 - 174	10	20
1,2,4-Trichlorobenzene		1	847	µg/Kg	1	1000	<6.66	85	21.5 - 196	1	20
Naphthalene		1	579	µg/Kg	1	1000	<7.66	58	10 - 162	14	20
Hexachlorobutadiene		1	1260	µg/Kg	1	1000	<12.3	126	33.5 - 215	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane			925	925	µg/Kg	1	1000	92	92	70 - 130
Toluene-d8			963	958	µg/Kg	1	1000	96	96	70 - 130
4-Bromofluorobenzene (4-BFB)			906	908	µg/Kg	1	1000	91	91	70 - 130

Matrix Spike (MS-1) Spiked Sample: 275016

QC Batch: 84122 | Date Analyzed: 2011-08-22 | Analyzed By: RR
Prep Batch: 71419 | QC Preparation: 2011-08-22 | Prepared By: KV

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver		1	12.4	mg/Kg	1	12.5	<0.0369	99	75 - 125
Total Arsenic		1	54.7	mg/Kg	1	50.0	2.49	104	75 - 125
Total Barium		1	265	mg/Kg	1	100	156	109	75 - 125
Total Cadmium		1	25.7	mg/Kg	1	25.0	<0.0558	103	75 - 125
Total Chromium		1	22.4	mg/Kg	1	10.0	12.3	101	75 - 125
Total Lead		1	80.5	mg/Kg	1	50.0	28.3	104	75 - 125
Total Selenium		1	52.0	mg/Kg	1	50.0	<0.212	104	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver		1	12.3	mg/Kg	1	12.5	<0.0369	98	75 - 125	1	20
Total Arsenic		1	54.2	mg/Kg	1	50.0	2.49	103	75 - 125	1	20
Total Barium		1	253	mg/Kg	1	100	156	97	75 - 125	5	20
Total Cadmium		1	26.1	mg/Kg	1	25.0	<0.0558	104	75 - 125	2	20
Total Chromium		1	22.7	mg/Kg	1	10.0	12.3	104	75 - 125	1	20
Total Lead		1	78.6	mg/Kg	1	50.0	28.3	101	75 - 125	2	20
Total Selenium		1	51.6	mg/Kg	1	50.0	<0.212	103	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 274986

QC Batch: 84158 | Date Analyzed: 2011-08-21 | Analyzed By: BP
Prep Batch: 71448 | QC Preparation: 2011-08-19 | Prepared By: EB

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
C6-C12	Qs	1	7610	mg/Kg	1	250	7440	68	75 - 114
>C12-C28		1	625	mg/Kg	1	250	474	60	50.8 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
C6-C12	Qs	1	7600	mg/Kg	1	250	7440	64	75 - 114	0	20
>C12-C28		1	626	mg/Kg	1	250	474	61	50.8 - 119	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Octane	Qsr		144	144	mg/Kg	1	100	144	144	55.1 - 140
n-Tricosane			92.0	91.8	mg/Kg	1	100	92	92	65.2 - 142
n-Triacontane			101	100	mg/Kg	1	100	101	100	68.8 - 145

Matrix Spike (MS-1) Spiked Sample: 275016

QC Batch: 84179 | Date Analyzed: 2011-08-23 | Analyzed By: TP
Prep Batch: 71476 | QC Preparation: 2011-08-23 | Prepared By: TP

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury		1	0.280	mg/Kg	1	0.250	0.0254	102	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury		1	0.281	mg/Kg	1	0.250	0.0254	102	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 275012

QC Batch: 84212 | Date Analyzed: 2011-08-24 | Analyzed By: MN
Prep Batch: 71499 | QC Preparation: 2011-08-23 | Prepared By: MN

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Pyridine		1	0.998	mg/Kg	10	2.67	<0.360	37	10 - 74.9
N-Nitrosodimethylamine		1	1.36	mg/Kg	10	2.67	<0.663	51	10.6 - 81.1
2-Picoline		1	1.42	mg/Kg	10	2.67	<0.564	53	20.9 - 76.8
Methyl methanesulfonate		1	1.39	mg/Kg	10	2.67	<0.517	52	19.1 - 71.3
Ethyl methanesulfonate		1	1.72	mg/Kg	10	2.67	<0.564	64	22.4 - 86.3
Phenol		1	1.74	mg/Kg	10	2.67	<0.440	65	14.4 - 85.2
Aniline		1	1.56	mg/Kg	10	2.67	<0.521	58	10 - 95.4
bis(2-chloroethyl)ether		1	1.65	mg/Kg	10	2.67	<0.481	62	13.8 - 95.3
2-Chlorophenol		1	1.62	mg/Kg	10	2.67	<0.448	61	21.9 - 83.8
1,3-Dichlorobenzene (meta)		1	1.58	mg/Kg	10	2.67	<0.343	59	25.3 - 80.6
1,4-Dichlorobenzene (para)		1	1.55	mg/Kg	10	2.67	<0.287	58	19 - 77
Benzyl alcohol		1	1.78	mg/Kg	1	2.67	<0.0254	67	10 - 125
1,2-Dichlorobenzene (ortho)		1	1.60	mg/Kg	1	2.67	<0.0583	60	23.5 - 81.2
2-Methylphenol		1	1.74	mg/Kg	10	2.67	<0.360	65	19.1 - 83.2
bis(2-chloroisopropyl)ether		1	1.58	mg/Kg	10	2.67	<0.539	59	17.2 - 84.2
4-Methylphenol / 3-Methylphenol		1	1.77	mg/Kg	10	2.67	<0.586	66	18.7 - 88.6
Acetophenone		1	1.83	mg/Kg	10	2.67	<0.339	68	34.1 - 80.5
N-Nitrosodi-n-propylamine		1	1.89	mg/Kg	10	2.67	<0.529	71	23.3 - 85.4
Hexachloroethane		1	1.40	mg/Kg	10	2.67	<0.526	52	24.3 - 74.9
Nitrobenzene		1	1.97	mg/Kg	10	2.67	<0.414	74	29 - 76.7
N-Nitrosopiperidine		1	1.85	mg/Kg	10	2.67	<0.481	69	27.8 - 97.8
Isophorone		1	1.92	mg/Kg	10	2.67	<0.540	72	28 - 90
2-Nitrophenol		1	1.88	mg/Kg	10	2.67	<0.471	70	18 - 111
2,4-Dimethylphenol		1	1.82	mg/Kg	10	2.67	<0.398	68	32.6 - 88.3
bis(2-chloroethoxy)methane		1	1.74	mg/Kg	10	2.67	<0.514	65	19.9 - 98.1
Benzoic acid		1	1.64	mg/Kg	1	2.67	<0.0398	61	10 - 119
2,4-Dichlorophenol		1	1.78	mg/Kg	10	2.67	<0.310	67	35.5 - 90
1,2,4-Trichlorobenzene		1	1.72	mg/Kg	10	2.67	<0.338	64	32.5 - 81.2
Naphthalene	Qs	1	2.05	mg/Kg	10	2.67	1.68	14	33.4 - 80.7
4-Chloroaniline		1	1.78	mg/Kg	10	2.67	<0.410	67	10 - 176
2,6-Dichlorophenol		1	1.91	mg/Kg	10	2.67	<0.351	72	37.5 - 83.9
Hexachlorobutadiene		1	1.64	mg/Kg	10	2.67	<0.388	61	28.5 - 80.1
N-Nitroso-di-n-butylamine		1	1.94	mg/Kg	10	2.67	<0.549	73	27.3 - 97.7
4-Chloro-3-methylphenol		1	1.98	mg/Kg	10	2.67	<0.266	74	10 - 120
1-Methylnaphthalene			1.98	mg/Kg	10	2.67	<0.526	74	32.5 - 85
2-Methylnaphthalene		1	1.96	mg/Kg	10	2.67	<0.482	73	33.7 - 84
1,2,4,5-Tetrachlorobenzene		1	1.68	mg/Kg	10	2.67	<0.387	63	27 - 91.3
Hexachlorocyclopentadiene		1	3.38	mg/Kg	10	2.67	<0.978	126	10 - 140
2,4,6-Trichlorophenol		1	1.88	mg/Kg	10	2.67	<0.444	70	39.3 - 106
2,4,5-Trichlorophenol		1	2.11	mg/Kg	10	2.67	<0.564	79	42.6 - 103
2-Chloronaphthalene		1	1.82	mg/Kg	10	2.67	<0.471	68	35.4 - 85.2
1-Chloronaphthalene		1	1.81	mg/Kg	10	2.67	<0.589	68	30.8 - 90.6
2-Nitroaniline	Qs	1	2.74	mg/Kg	10	2.67	<0.410	103	43.6 - 96.3
Dimethylphthalate		1	2.02	mg/Kg	10	2.67	<0.620	76	48.1 - 98.9
Acenaphthylene		1	2.19	mg/Kg	10	2.67	0.63	58	36.3 - 89.5
2,6-Dinitrotoluene	Qs	1	3.56	mg/Kg	10	2.67	<0.556	133	42 - 117
3-Nitroaniline	Qs	1	3.79	mg/Kg	10	2.67	<0.465	142	38.9 - 114
Acenaphthene	Qs	1	2.29	mg/Kg	10	2.67	2.44	-4	37.5 - 91.6

continued ...

matrix spikes continued ...

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2,4-Dinitrophenol		1	2.44	mg/Kg	10	2.67	<0.835	91	10 - 122
Dibenzofuran	Qs	1	2.26	mg/Kg	10	2.67	1.98	10	46.5 - 90.4
Pentachlorobenzene		1	1.94	mg/Kg	10	2.67	<0.480	73	43.9 - 89.2
4-Nitrophenol		1	3.14	mg/Kg	10	2.67	<0.221	118	10 - 124
1-Naphthylamine		1	1.62	mg/Kg	10	2.67	<0.343	61	14.6 - 119
2,4-Dinitrotoluene	Qs	1	3.56	mg/Kg	10	2.67	<0.631	133	60.8 - 104
2-Naphthylamine		1	1.46	mg/Kg	10	2.67	<0.504	55	26.2 - 112
2,3,4,6-Tetrachlorophenol	Qs	1	3.44	mg/Kg	10	2.67	<0.211	129	36.4 - 128
Fluorene	Qs	1	2.52	mg/Kg	10	2.67	2.99	-16	51 - 89.2
Diethylphthalate		1	2.12	mg/Kg	10	2.67	<0.543	79	51.7 - 100
4-Chlorophenyl-phenylether		1	2.08	mg/Kg	10	2.67	<0.470	78	51.3 - 88.3
4-Nitroaniline		1	3.04	mg/Kg	10	2.67	<1.04	114	52.1 - 124
4,6-Dinitro-2-methylphenol		1	1.58	mg/Kg	10	2.67	<0.875	59	10 - 162
Diphenylamine	Qs	1	2.49	mg/Kg	10	2.67	<0.564	93	51.6 - 91.4
Diphenylhydrazine			2.05	mg/Kg	10	2.67	<0.644	77	40.7 - 96.5
4-Bromophenyl-phenylether		1	2.35	mg/Kg	10	2.67	<0.512	88	42.5 - 100
Phenacetin		1	1.89	mg/Kg	10	2.67	<0.522	71	60.3 - 86.2
Hexachlorobenzene		1	2.06	mg/Kg	10	2.67	<0.446	77	43.4 - 101
4-Aminobiphenyl		1	1.75	mg/Kg	10	2.67	<0.352	66	10.3 - 135
Pentachlorophenol		1	3.48	mg/Kg	10	2.67	<0.580	130	10 - 142
Pentachloronitrobenzene		1	2.16	mg/Kg	10	2.67	<0.346	81	46 - 105
Pronamide		1	2.04	mg/Kg	10	2.67	<0.580	76	48.4 - 98.5
Phenanthrene	Qs	1	8.09	mg/Kg	10	2.67	29.3	-794	54.2 - 91
Anthracene	Qs	1	2.90	mg/Kg	10	2.67	4.78	-70	51.1 - 94.8
Di-n-butylphthalate		1	2.00	mg/Kg	10	2.67	<0.529	75	47.1 - 103
Fluoranthene	Qs	1	11.0	mg/Kg	10	2.67	32.2	-794	47.9 - 101
Benzidine	Qs	1	<0.686	mg/Kg	10	2.67	<0.686	0	10 - 219
Pyrene	Qs	1	10.9	mg/Kg	10	2.67	31.3	-764	55.4 - 94.3
p-Dimethylaminoazobenzene			1.96	mg/Kg	10	2.67	<0.525	73	54.4 - 108
Butylbenzylphthalate		1	2.03	mg/Kg	10	2.67	<0.687	76	47.5 - 108
Benzo(a)anthracene	Qs	1	5.37	mg/Kg	10	2.67	13.5	-304	49.8 - 103
3,3-Dichlorobenzidine		1	1.30	mg/Kg	10	2.67	<0.490	49	33.7 - 116
Chrysene	Qs	1	8.20	mg/Kg	10	2.67	21.6	-500	19.5 - 151
bis(2-ethylhexyl)phthalate		1	2.06	mg/Kg	10	2.67	<0.705	77	26.1 - 160
Di-n-octylphthalate		1	1.93	mg/Kg	10	2.67	<0.680	72	32.5 - 126
Benzo(b)fluoranthene	Qs	1	6.67	mg/Kg	10	2.67	21.8	-565	33.4 - 90.2
7,12-Dimethylbenz(a)anthracene		1	1.45	mg/Kg	10	2.67	<0.294	54	37.1 - 84.9
Benzo(k)fluoranthene		1	3.95	mg/Kg	10	2.67	2.13	68	50.6 - 77.7
Benzo(a)pyrene		1	5.36	mg/Kg	10	2.67	3.28	78	43 - 85.7
3-Methylcholanthrene		1	1.83	mg/Kg	10	2.67	<0.322	68	14.5 - 105
Dibenzo(a,j)acridine		1	1.89	mg/Kg	10	2.67	<0.646	71	42.3 - 87.6
Indeno(1,2,3-cd)pyrene	Qs	1	4.66	mg/Kg	10	2.67	8.82	-154	43.8 - 89.5
Dibenzo(a,h)anthracene		1	2.90	mg/Kg	10	2.67	1.02	70	17.8 - 129
Benzo(g,h,i)perylene	Qs	1	4.76	mg/Kg	10	2.67	9.05	-159	38.5 - 95.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Pyridine		1	1.12	mg/Kg	10	2.67	<0.360	42	10 - 74.9	12	20
N-Nitrosodimethylamine		1	1.50	mg/Kg	10	2.67	<0.663	56	10.6 - 81.1	10	20
2-Picoline		1	1.66	mg/Kg	10	2.67	<0.564	62	20.9 - 76.8	16	20
Methyl methanesulfonate		1	1.56	mg/Kg	10	2.67	<0.517	58	19.1 - 71.3	12	20
Ethyl methanesulfonate		1	1.78	mg/Kg	10	2.67	<0.564	67	22.4 - 86.3	3	20
Phenol		1	1.89	mg/Kg	10	2.67	<0.440	71	14.4 - 85.2	8	20
Aniline		1	1.77	mg/Kg	10	2.67	<0.521	66	10 - 95.4	13	20
bis(2-chloroethyl)ether		1	1.89	mg/Kg	10	2.67	<0.481	71	13.8 - 95.3	14	20
2-Chlorophenol		1	1.83	mg/Kg	10	2.67	<0.448	68	21.9 - 83.8	12	20
1,3-Dichlorobenzene (meta)		1	1.72	mg/Kg	10	2.67	<0.343	64	25.3 - 80.6	8	20
1,4-Dichlorobenzene (para)		1	1.74	mg/Kg	10	2.67	<0.287	65	19 - 77	12	20
Benzyl alcohol		1	1.93	mg/Kg	1	2.67	<0.0254	72	10 - 125	8	20
1,2-Dichlorobenzene (ortho)		1	1.79	mg/Kg	1	2.67	<0.0583	67	23.5 - 81.2	11	20
2-Methylphenol		1	1.96	mg/Kg	10	2.67	<0.360	73	19.1 - 83.2	12	20
bis(2-chloroisopropyl)ether		1	1.81	mg/Kg	10	2.67	<0.539	68	17.2 - 84.2	14	20
4-Methylphenol / 3-Methylphenol		1	1.96	mg/Kg	10	2.67	<0.586	73	18.7 - 88.6	10	20
Acetophenone		1	2.05	mg/Kg	10	2.67	<0.339	77	34.1 - 80.5	11	20
N-Nitrosodi-n-propylamine		1	2.08	mg/Kg	10	2.67	<0.529	78	23.3 - 85.4	10	20
Hexachloroethane		1	1.59	mg/Kg	10	2.67	<0.526	60	24.3 - 74.9	13	20
Nitrobenzene	Qs	1	2.25	mg/Kg	10	2.67	<0.414	84	29 - 76.7	13	20
N-Nitrosopiperidine		1	2.12	mg/Kg	10	2.67	<0.481	79	27.8 - 97.8	14	20
Isophorone		1	2.20	mg/Kg	10	2.67	<0.540	82	28 - 90	14	20
2-Nitrophenol		1	2.19	mg/Kg	10	2.67	<0.471	82	18 - 111	15	20
2,4-Dimethylphenol		1	2.03	mg/Kg	10	2.67	<0.398	76	32.6 - 88.3	11	20
bis(2-chloroethoxy)methane		1	1.98	mg/Kg	10	2.67	<0.514	74	19.9 - 98.1	13	20
Benzoic acid		1	1.59	mg/Kg	1	2.67	<0.0398	60	10 - 119	3	20
2,4-Dichlorophenol		1	2.01	mg/Kg	10	2.67	<0.310	75	35.5 - 90	12	20
1,2,4-Trichlorobenzene		1	1.90	mg/Kg	10	2.67	<0.338	71	32.5 - 81.2	10	20
Naphthalene	Qs	1	2.32	mg/Kg	10	2.67	1.68	24	33.4 - 80.7	12	20
4-Chloroaniline		1	1.96	mg/Kg	10	2.67	<0.410	73	10 - 176	10	20
2,6-Dichlorophenol		1	2.05	mg/Kg	10	2.67	<0.351	77	37.5 - 83.9	7	20
Hexachlorobutadiene		1	1.89	mg/Kg	10	2.67	<0.388	71	28.5 - 80.1	14	20
N-Nitroso-di-n-butylamine		1	2.20	mg/Kg	10	2.67	<0.549	82	27.3 - 97.7	13	20
4-Chloro-3-methylphenol		1	2.15	mg/Kg	10	2.67	<0.266	80	10 - 120	8	20
1-Methylnaphthalene			2.20	mg/Kg	10	2.67	<0.526	82	32.5 - 85	10	20
2-Methylnaphthalene		1	2.17	mg/Kg	10	2.67	<0.482	81	33.7 - 84	10	20
1,2,4,5-Tetrachlorobenzene		1	1.88	mg/Kg	10	2.67	<0.387	70	27 - 91.3	11	20
Hexachlorocyclopentadiene		1	3.64	mg/Kg	10	2.67	<0.978	136	10 - 140	7	20
2,4,6-Trichlorophenol		1	2.10	mg/Kg	10	2.67	<0.444	79	39.3 - 106	11	20
2,4,5-Trichlorophenol		1	2.31	mg/Kg	10	2.67	<0.564	86	42.6 - 103	9	20
2-Chloronaphthalene		1	1.97	mg/Kg	10	2.67	<0.471	74	35.4 - 85.2	8	20
1-Chloronaphthalene		1	2.02	mg/Kg	10	2.67	<0.589	76	30.8 - 90.6	11	20
2-Nitroaniline	Qs	1	3.00	mg/Kg	10	2.67	<0.410	112	43.6 - 96.3	9	20
Dimethylphthalate		1	2.25	mg/Kg	10	2.67	<0.620	84	48.1 - 98.9	11	20
Acenaphthylene		1	2.45	mg/Kg	10	2.67	0.63	68	36.3 - 89.5	11	20
2,6-Dinitrotoluene	Qs	1	3.86	mg/Kg	10	2.67	<0.556	144	42 - 117	8	20
3-Nitroaniline	Qs	1	4.14	mg/Kg	10	2.67	<0.465	155	38.9 - 114	9	20
Acenaphthene	Qs	1	2.54	mg/Kg	10	2.67	2.44	4	37.5 - 91.6	10	20

continued ...

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
2,4-Dinitrophenol		1	2.69	mg/Kg	10	2.67	<0.835	101	10 - 122	10	20
Dibenzofuran	Qs	1	2.51	mg/Kg	10	2.67	1.98	20	46.5 - 90.4	10	20
Pentachlorobenzene		1	2.19	mg/Kg	10	2.67	<0.480	82	43.9 - 89.2	12	20
4-Nitrophenol	Qs	1	3.52	mg/Kg	10	2.67	<0.221	132	10 - 124	11	20
1-Naphthylamine		1	1.73	mg/Kg	10	2.67	<0.343	65	14.6 - 119	7	20
2,4-Dinitrotoluene	Qs	1	3.86	mg/Kg	10	2.67	<0.631	144	60.8 - 104	8	20
2-Naphthylamine		1	1.72	mg/Kg	10	2.67	<0.504	64	26.2 - 112	16	20
2,3,4,6-Tetrachlorophenol	Qs	1	3.85	mg/Kg	10	2.67	<0.211	144	36.4 - 128	11	20
Fluorene	Qs	1	2.76	mg/Kg	10	2.67	2.99	-7	51 - 89.2	9	20
Diethylphthalate		1	2.34	mg/Kg	10	2.67	<0.543	88	51.7 - 100	10	20
4-Chlorophenyl-phenylether		1	2.32	mg/Kg	10	2.67	<0.470	87	51.3 - 88.3	11	20
4-Nitroaniline	Qs	1	3.35	mg/Kg	10	2.67	<1.04	125	52.1 - 124	10	20
4,6-Dinitro-2-methylphenol		1	1.84	mg/Kg	10	2.67	<0.875	69	10 - 162	15	20
Diphenylamine	Qs	1	2.79	mg/Kg	10	2.67	<0.564	104	51.6 - 91.4	11	20
Diphenylhydrazine			2.31	mg/Kg	10	2.67	<0.644	86	40.7 - 96.5	12	20
4-Bromophenyl-phenylether		1	2.66	mg/Kg	10	2.67	<0.512	100	42.5 - 100	12	20
Phenacetin		1	2.18	mg/Kg	10	2.67	<0.522	82	60.3 - 86.2	14	20
Hexachlorobenzene		1	2.31	mg/Kg	10	2.67	<0.446	86	43.4 - 101	11	20
4-Aminobiphenyl		1	1.96	mg/Kg	10	2.67	<0.352	73	10.3 - 135	11	20
Pentachlorophenol	Qs	1	3.89	mg/Kg	10	2.67	<0.580	146	10 - 142	11	20
Pentachloronitrobenzene		1	2.35	mg/Kg	10	2.67	<0.346	88	46 - 105	8	20
Pronamide		1	2.26	mg/Kg	10	2.67	<0.580	85	48.4 - 98.5	10	20
Phenanthrene	Qs	1	9.05	mg/Kg	10	2.67	29.3	-758	54.2 - 91	11	20
Anthracene	Qs	1	3.25	mg/Kg	10	2.67	4.78	-57	51.1 - 94.8	11	20
Di-n-butylphthalate		1	2.24	mg/Kg	10	2.67	<0.529	84	47.1 - 103	11	20
Fluoranthene	Qs	1	12.5	mg/Kg	10	2.67	32.2	-736	47.9 - 101	13	20
Benzidine	Qs	1	<0.686	mg/Kg	10	2.67	<0.686	0	10 - 219	0	20
Pyrene	Qs	1	12.1	mg/Kg	10	2.67	31.3	-719	55.4 - 94.3	10	20
p-Dimethylaminoazobenzene			2.14	mg/Kg	10	2.67	<0.525	80	54.4 - 108	9	20
Butylbenzylphthalate		1	2.29	mg/Kg	10	2.67	<0.687	86	47.5 - 108	12	20
Benzo(a)anthracene	Qs	1	5.99	mg/Kg	10	2.67	13.5	-281	49.8 - 103	11	20
3,3-Dichlorobenzidine		1	1.37	mg/Kg	10	2.67	<0.490	51	33.7 - 116	5	20
Chrysene	Qs	1	9.19	mg/Kg	10	2.67	21.6	-463	19.5 - 151	11	20
bis(2-ethylhexyl)phthalate		1	2.32	mg/Kg	10	2.67	<0.705	87	26.1 - 160	12	20
Di-n-octylphthalate		1	2.18	mg/Kg	10	2.67	<0.680	82	32.5 - 126	12	20
Benzo(b)fluoranthene	Qs	1	7.56	mg/Kg	10	2.67	21.8	-533	33.4 - 90.2	12	20
7,12-Dimethylbenz(a)anthracene		1	1.52	mg/Kg	10	2.67	<0.294	57	37.1 - 84.9	5	20
Benzo(k)fluoranthene	Qs	1	4.36	mg/Kg	10	2.67	2.13	84	50.6 - 77.7	10	20
Benzo(a)pyrene	Qs	1	5.96	mg/Kg	10	2.67	3.28	100	43 - 85.7	11	20
3-Methylcholanthrene		1	2.05	mg/Kg	10	2.67	<0.322	77	14.5 - 105	11	20
Dibenzo(a,j)acridine		1	2.11	mg/Kg	10	2.67	<0.646	79	42.3 - 87.6	11	20
Indeno(1,2,3-cd)pyrene	Qs	1	5.21	mg/Kg	10	2.67	8.82	-135	43.8 - 89.5	11	20
Dibenzo(a,h)anthracene		1	2.70	mg/Kg	10	2.67	1.02	63	17.8 - 129	7	20
Benzo(g,h,i)perylene	Qs	1	5.31	mg/Kg	10	2.67	9.05	-140	38.5 - 95.2	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol			1.27	1.47	mg/Kg	10	2.67	48	55	10 - 88
Phenol-d5			1.65	1.86	mg/Kg	10	2.67	62	70	10 - 100
Nitrobenzene-d5			1.97	2.26	mg/Kg	10	2.67	74	85	10 - 89.7
2-Fluorobiphenyl			1.78	2.00	mg/Kg	10	2.67	67	75	13 - 93
2,4,6-Tribromophenol			2.27	2.66	mg/Kg	10	2.67	85	100	10 - 99.4
Terphenyl-d14			2.20	2.46	mg/Kg	10	2.67	82	92	38.9 - 94.4

Matrix Spike (MS-1) Spiked Sample: 274891

QC Batch: 84229 | Date Analyzed: 2011-08-24 | Analyzed By: DS
Prep Batch: 71517 | QC Preparation: 2011-08-24 | Prepared By: DS

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Aroclor 1260 (PCB-1260)		1	0.0795	mg/Kg	1	0.0640	<0.00121	124	10 - 210

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Aroclor 1260 (PCB-1260)		1	0.0832	mg/Kg	1	0.0640	<0.00121	130	10 - 210	4	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Deca chlorobiphenyl			0.0161	0.0166	mg/Kg	1	0.0167	96	99	58.7 - 121

Matrix Spike (MS-1) Spiked Sample: 275017

QC Batch: 84256 | Date Analyzed: 2011-08-25 | Analyzed By: TP
Prep Batch: 71528 | QC Preparation: 2011-08-25 | Prepared By: TP

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury		1	0.266	mg/Kg	1	0.250	0.00828	103	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury		1	0.266	mg/Kg	1	0.250	0.00828	103	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 84100 | Date Analyzed: 2011-08-19 | Analyzed By: KB

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		1	µg/Kg	50.0	50.8	102	80 - 120	2011-08-19
Dichlorodifluoromethane		1	µg/Kg	50.0	43.5	87	80 - 120	2011-08-19
Chloromethane (methyl chloride)		1	µg/Kg	50.0	43.0	86	80 - 120	2011-08-19
Vinyl Chloride		1	µg/Kg	50.0	46.3	93	80 - 120	2011-08-19
Bromomethane (methyl bromide)		1	µg/Kg	50.0	44.3	89	80 - 120	2011-08-19
Chloroethane		1	µg/Kg	50.0	43.8	88	80 - 120	2011-08-19
Trichlorofluoromethane		1	µg/Kg	50.0	49.9	100	80 - 120	2011-08-19
Acetone		1	µg/Kg	50.0	40.4	81	80 - 120	2011-08-19
Iodomethane (methyl iodide)		1	µg/Kg	50.0	49.9	100	80 - 120	2011-08-19
Carbon Disulfide		1	µg/Kg	50.0	52.0	104	80 - 120	2011-08-19
Acrylonitrile		1	µg/Kg	50.0	44.9	90	80 - 120	2011-08-19
2-Butanone (MEK)		1	µg/Kg	50.0	40.6	81	80 - 120	2011-08-19
4-Methyl-2-pentanone (MIBK)		1	µg/Kg	50.0	47.8	96	80 - 120	2011-08-19
2-Hexanone	Qc	1	µg/Kg	50.0	37.7	75	80 - 120	2011-08-19
trans 1,4-Dichloro-2-butene	Qc	1	µg/Kg	50.0	37.2	74	80 - 120	2011-08-19
1,1-Dichloroethene		1	µg/Kg	50.0	50.6	101	80 - 120	2011-08-19
Methylene chloride		1	µg/Kg	50.0	51.0	102	80 - 120	2011-08-19
MTBE		1	µg/Kg	50.0	50.6	101	80 - 120	2011-08-19
trans-1,2-Dichloroethene		1	µg/Kg	50.0	50.5	101	80 - 120	2011-08-19
1,1-Dichloroethane		1	µg/Kg	50.0	51.4	103	80 - 120	2011-08-19
cis-1,2-Dichloroethene		1	µg/Kg	50.0	52.2	104	80 - 120	2011-08-19
2,2-Dichloropropane		1	µg/Kg	50.0	53.2	106	80 - 120	2011-08-19
1,2-Dichloroethane (EDC)		1	µg/Kg	50.0	47.6	95	80 - 120	2011-08-19
Chloroform		1	µg/Kg	50.0	50.3	101	80 - 120	2011-08-19
1,1,1-Trichloroethane		1	µg/Kg	50.0	52.1	104	80 - 120	2011-08-19
1,1-Dichloropropene		1	µg/Kg	50.0	52.2	104	80 - 120	2011-08-19
Benzene		1	µg/Kg	50.0	51.3	103	80 - 120	2011-08-19
Carbon Tetrachloride		1	µg/Kg	50.0	56.4	113	80 - 120	2011-08-19
1,2-Dichloropropane		1	µg/Kg	50.0	51.6	103	80 - 120	2011-08-19
Trichloroethene (TCE)		1	µg/Kg	50.0	52.0	104	80 - 120	2011-08-19
Dibromomethane (methylene bromide)		1	µg/Kg	50.0	49.8	100	80 - 120	2011-08-19
Bromodichloromethane		1	µg/Kg	50.0	51.5	103	80 - 120	2011-08-19
2-Chloroethyl vinyl ether		1	µg/Kg	50.0	40.8	82	80 - 120	2011-08-19
cis-1,3-Dichloropropene		1	µg/Kg	50.0	52.6	105	80 - 120	2011-08-19
trans-1,3-Dichloropropene		1	µg/Kg	50.0	51.6	103	80 - 120	2011-08-19
Toluene		1	µg/Kg	50.0	51.5	103	80 - 120	2011-08-19
1,1,2-Trichloroethane		1	µg/Kg	50.0	49.0	98	80 - 120	2011-08-19
1,3-Dichloropropane		1	µg/Kg	50.0	49.0	98	80 - 120	2011-08-19
Dibromochloromethane		1	µg/Kg	50.0	53.3	107	80 - 120	2011-08-19

continued . . .

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2-Dibromoethane (EDB)		1	µg/Kg	50.0	48.7	97	80 - 120	2011-08-19
Tetrachloroethene (PCE)		1	µg/Kg	50.0	48.0	96	80 - 120	2011-08-19
Chlorobenzene		1	µg/Kg	50.0	50.2	100	80 - 120	2011-08-19
1,1,1,2-Tetrachloroethane		1	µg/Kg	50.0	54.2	108	80 - 120	2011-08-19
Ethylbenzene		1	µg/Kg	50.0	51.4	103	80 - 120	2011-08-19
m,p-Xylene		1	µg/Kg	100	101	101	80 - 120	2011-08-19
Bromoform		1	µg/Kg	50.0	52.6	105	80 - 120	2011-08-19
Styrene		1	µg/Kg	50.0	49.0	98	80 - 120	2011-08-19
o-Xylene		1	µg/Kg	50.0	51.2	102	80 - 120	2011-08-19
1,1,2,2-Tetrachloroethane		1	µg/Kg	50.0	45.2	90	80 - 120	2011-08-19
2-Chlorotoluene		1	µg/Kg	50.0	54.6	109	80 - 120	2011-08-19
1,2,3-Trichloropropane		1	µg/Kg	50.0	59.3	119	80 - 120	2011-08-19
Isopropylbenzene		1	µg/Kg	50.0	58.8	118	80 - 120	2011-08-19
Bromobenzene		1	µg/Kg	50.0	53.1	106	80 - 120	2011-08-19
n-Propylbenzene		1	µg/Kg	50.0	55.3	111	80 - 120	2011-08-19
1,3,5-Trimethylbenzene		1	µg/Kg	50.0	55.4	111	80 - 120	2011-08-19
tert-Butylbenzene		1	µg/Kg	50.0	58.4	117	80 - 120	2011-08-19
1,2,4-Trimethylbenzene		1	µg/Kg	50.0	54.3	109	80 - 120	2011-08-19
1,4-Dichlorobenzene (para)		1	µg/Kg	50.0	48.5	97	80 - 120	2011-08-19
sec-Butylbenzene		1	µg/Kg	50.0	54.8	110	80 - 120	2011-08-19
1,3-Dichlorobenzene (meta)		1	µg/Kg	50.0	50.7	101	80 - 120	2011-08-19
p-Isopropyltoluene			µg/Kg	50.0	54.8	110	80 - 120	2011-08-19
4-Chlorotoluene		1	µg/Kg	50.0	52.1	104	80 - 120	2011-08-19
1,2-Dichlorobenzene (ortho)		1	µg/Kg	50.0	49.9	100	80 - 120	2011-08-19
n-Butylbenzene		1	µg/Kg	50.0	51.1	102	80 - 120	2011-08-19
1,2-Dibromo-3-chloropropane			µg/Kg	50.0	42.1	84	80 - 120	2011-08-19
1,2,3-Trichlorobenzene	Qc	1	µg/Kg	50.0	31.4	63	80 - 120	2011-08-19
1,2,4-Trichlorobenzene	Qc	1	µg/Kg	50.0	33.3	67	80 - 120	2011-08-19
Naphthalene	Qc	1	µg/Kg	50.0	32.9	66	80 - 120	2011-08-19
Hexachlorobutadiene		1	µg/Kg	50.0	46.5	93	80 - 120	2011-08-19

Standard (CCV-2)

QC Batch: 84100 | Date Analyzed: 2011-08-19 | Analyzed By: KB

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		1	µg/Kg	50.0	51.4	103	80 - 120	2011-08-19
Dichlorodifluoromethane		1	µg/Kg	50.0	41.7	83	80 - 120	2011-08-19
Chloromethane (methyl chloride)		1	µg/Kg	50.0	44.9	90	80 - 120	2011-08-19
Vinyl Chloride		1	µg/Kg	50.0	47.1	94	80 - 120	2011-08-19
Bromomethane (methyl bromide)		1	µg/Kg	50.0	43.7	87	80 - 120	2011-08-19
Chloroethane		1	µg/Kg	50.0	43.4	87	80 - 120	2011-08-19

continued ...

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Trichlorofluoromethane		1	µg/Kg	50.0	49.0	98	80 - 120	2011-08-19
Acetone	Qc	1	µg/Kg	50.0	39.1	78	80 - 120	2011-08-19
Iodomethane (methyl iodide)		1	µg/Kg	50.0	52.2	104	80 - 120	2011-08-19
Carbon Disulfide		1	µg/Kg	50.0	56.9	114	80 - 120	2011-08-19
Acrylonitrile	Qc	1	µg/Kg	50.0	39.0	78	80 - 120	2011-08-19
2-Butanone (MEK)	Qc	1	µg/Kg	50.0	37.1	74	80 - 120	2011-08-19
4-Methyl-2-pentanone (MIBK)		1	µg/Kg	50.0	40.0	80	80 - 120	2011-08-19
2-Hexanone	Qc	1	µg/Kg	50.0	28.6	57	80 - 120	2011-08-19
trans 1,4-Dichloro-2-butene	Qc	1	µg/Kg	50.0	20.7	41	80 - 120	2011-08-19
1,1-Dichloroethene		1	µg/Kg	50.0	50.8	102	80 - 120	2011-08-19
Methylene chloride		1	µg/Kg	50.0	51.0	102	80 - 120	2011-08-19
MTBE		1	µg/Kg	50.0	45.8	92	80 - 120	2011-08-19
trans-1,2-Dichloroethene		1	µg/Kg	50.0	50.9	102	80 - 120	2011-08-19
1,1-Dichloroethane		1	µg/Kg	50.0	49.6	99	80 - 120	2011-08-19
cis-1,2-Dichloroethene		1	µg/Kg	50.0	52.2	104	80 - 120	2011-08-19
2,2-Dichloropropane	Qc	1	µg/Kg	50.0	31.7	63	80 - 120	2011-08-19
1,2-Dichloroethane (EDC)		1	µg/Kg	50.0	42.6	85	80 - 120	2011-08-19
Chloroform		1	µg/Kg	50.0	48.7	97	80 - 120	2011-08-19
1,1,1-Trichloroethane		1	µg/Kg	50.0	48.7	97	80 - 120	2011-08-19
1,1-Dichloropropene		1	µg/Kg	50.0	50.0	100	80 - 120	2011-08-19
Benzene		1	µg/Kg	50.0	51.2	102	80 - 120	2011-08-19
Carbon Tetrachloride		1	µg/Kg	50.0	49.4	99	80 - 120	2011-08-19
1,2-Dichloropropane		1	µg/Kg	50.0	49.6	99	80 - 120	2011-08-19
Trichloroethene (TCE)		1	µg/Kg	50.0	55.1	110	80 - 120	2011-08-19
Dibromomethane (methylene bromide)		1	µg/Kg	50.0	44.8	90	80 - 120	2011-08-19
Bromodichloromethane		1	µg/Kg	50.0	46.5	93	80 - 120	2011-08-19
2-Chloroethyl vinyl ether	Qc	1	µg/Kg	50.0	28.1	56	80 - 120	2011-08-19
cis-1,3-Dichloropropene		1	µg/Kg	50.0	45.7	91	80 - 120	2011-08-19
trans-1,3-Dichloropropene		1	µg/Kg	50.0	41.7	83	80 - 120	2011-08-19
Toluene		1	µg/Kg	50.0	50.5	101	80 - 120	2011-08-19
1,1,2-Trichloroethane		1	µg/Kg	50.0	45.8	92	80 - 120	2011-08-19
1,3-Dichloropropane		1	µg/Kg	50.0	45.2	90	80 - 120	2011-08-19
Dibromochloromethane		1	µg/Kg	50.0	46.4	93	80 - 120	2011-08-19
1,2-Dibromoethane (EDB)		1	µg/Kg	50.0	44.7	89	80 - 120	2011-08-19
Tetrachloroethene (PCE)	Qc	1	µg/Kg	50.0	70.7	141	80 - 120	2011-08-19
Chlorobenzene		1	µg/Kg	50.0	49.5	99	80 - 120	2011-08-19
1,1,1,2-Tetrachloroethane		1	µg/Kg	50.0	50.4	101	80 - 120	2011-08-19
Ethylbenzene		1	µg/Kg	50.0	50.2	100	80 - 120	2011-08-19
m,p-Xylene		1	µg/Kg	100	97.8	98	80 - 120	2011-08-19
Bromoform		1	µg/Kg	50.0	40.1	80	80 - 120	2011-08-19
Styrene		1	µg/Kg	50.0	47.7	95	80 - 120	2011-08-19
o-Xylene		1	µg/Kg	50.0	49.4	99	80 - 120	2011-08-19
1,1,2,2-Tetrachloroethane	Qc	1	µg/Kg	50.0	35.9	72	80 - 120	2011-08-19
2-Chlorotoluene		1	µg/Kg	50.0	56.9	114	80 - 120	2011-08-19
1,2,3-Trichloropropane		1	µg/Kg	50.0	56.0	112	80 - 120	2011-08-19
Isopropylbenzene	Qc	1	µg/Kg	50.0	62.8	126	80 - 120	2011-08-19

continued ...

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromobenzene		1	µg/Kg	50.0	53.9	108	80 - 120	2011-08-19
n-Propylbenzene		1	µg/Kg	50.0	57.5	115	80 - 120	2011-08-19
1,3,5-Trimethylbenzene		1	µg/Kg	50.0	57.7	115	80 - 120	2011-08-19
tert-Butylbenzene	Qc	1	µg/Kg	50.0	61.7	123	80 - 120	2011-08-19
1,2,4-Trimethylbenzene		1	µg/Kg	50.0	55.7	111	80 - 120	2011-08-19
1,4-Dichlorobenzene (para)		1	µg/Kg	50.0	48.8	98	80 - 120	2011-08-19
sec-Butylbenzene		1	µg/Kg	50.0	56.2	112	80 - 120	2011-08-19
1,3-Dichlorobenzene (meta)		1	µg/Kg	50.0	51.7	103	80 - 120	2011-08-19
p-Isopropyltoluene			µg/Kg	50.0	55.0	110	80 - 120	2011-08-19
4-Chlorotoluene		1	µg/Kg	50.0	53.3	107	80 - 120	2011-08-19
1,2-Dichlorobenzene (ortho)		1	µg/Kg	50.0	48.9	98	80 - 120	2011-08-19
n-Butylbenzene		1	µg/Kg	50.0	47.9	96	80 - 120	2011-08-19
1,2-Dibromo-3-chloropropane	Qc		µg/Kg	50.0	26.8	54	80 - 120	2011-08-19
1,2,3-Trichlorobenzene	Qc	1	µg/Kg	50.0	17.5	35	80 - 120	2011-08-19
1,2,4-Trichlorobenzene	Qc	1	µg/Kg	50.0	21.4	43	80 - 120	2011-08-19
Naphthalene	Qc	1	µg/Kg	50.0	18.9	38	80 - 120	2011-08-19
Hexachlorobutadiene		1	µg/Kg	50.0	40.0	80	80 - 120	2011-08-19

Standard (ICV-1)

QC Batch: 84122 Date Analyzed: 2011-08-22 Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		1	mg/Kg	0.125	0.123	98	90 - 110	2011-08-22
Total Arsenic		1	mg/Kg	1.00	1.02	102	90 - 110	2011-08-22
Total Barium		1	mg/Kg	1.00	0.983	98	90 - 110	2011-08-22
Total Cadmium		1	mg/Kg	1.00	1.02	102	90 - 110	2011-08-22
Total Chromium		1	mg/Kg	1.00	1.02	102	90 - 110	2011-08-22
Total Lead		1	mg/Kg	1.00	1.00	100	90 - 110	2011-08-22
Total Selenium		1	mg/Kg	1.00	1.03	103	90 - 110	2011-08-22

Standard (CCV-1)

QC Batch: 84122 Date Analyzed: 2011-08-22 Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		1	mg/Kg	0.125	0.128	102	90 - 110	2011-08-22
Total Arsenic		1	mg/Kg	1.00	0.986	99	90 - 110	2011-08-22

continued ...

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		1	mg/Kg	1.00	1.03	103	90 - 110	2011-08-22
Total Cadmium		1	mg/Kg	1.00	1.04	104	90 - 110	2011-08-22
Total Chromium		1	mg/Kg	1.00	1.04	104	90 - 110	2011-08-22
Total Lead		1	mg/Kg	1.00	1.02	102	90 - 110	2011-08-22
Total Selenium		1	mg/Kg	1.00	0.978	98	90 - 110	2011-08-22

Standard (CCV-1)

QC Batch: 84158 Date Analyzed: 2011-08-21 Analyzed By: BP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		1	mg/Kg	250	240	96	75 - 125	2011-08-21
>C12-C28		1	mg/Kg	250	236	94	75 - 125	2011-08-21

Standard (CCV-2)

QC Batch: 84158 Date Analyzed: 2011-08-21 Analyzed By: BP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		1	mg/Kg	250	237	95	75 - 125	2011-08-21
>C12-C28		1	mg/Kg	250	230	92	75 - 125	2011-08-21

Standard (CCV-3)

QC Batch: 84158 Date Analyzed: 2011-08-21 Analyzed By: BP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		1	mg/Kg	250	237	95	75 - 125	2011-08-21
>C12-C28		1	mg/Kg	250	226	90	75 - 125	2011-08-21

Standard (CCV-1)

QC Batch: 84179 | Date Analyzed: 2011-08-23 | Analyzed By: TP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		1	mg/L	0.0100	0.0102	102	80 - 120	2011-08-23

Standard (CCV-2)

QC Batch: 84179 | Date Analyzed: 2011-08-23 | Analyzed By: TP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		1	mg/L	0.0100	0.0102	102	80 - 120	2011-08-23

Standard (CCV-2)

QC Batch: 84212 | Date Analyzed: 2011-08-24 | Analyzed By: MN

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pyridine		1	mg/Kg	60.0	54.2	90	80 - 120	2011-08-24
N-Nitrosodimethylamine		1	mg/Kg	60.0	54.1	90	80 - 120	2011-08-24
2-Picoline		1	mg/Kg	60.0	55.2	92	80 - 120	2011-08-24
Methyl methanesulfonate		1	mg/Kg	60.0	52.0	87	80 - 120	2011-08-24
Ethyl methanesulfonate		1	mg/Kg	60.0	52.2	87	80 - 120	2011-08-24
Phenol	Qc	1	mg/Kg	60.0	46.8	78	80 - 120	2011-08-24
Aniline		1	mg/Kg	60.0	53.3	89	80 - 120	2011-08-24
bis(2-chloroethyl)ether		1	mg/Kg	60.0	55.0	92	80 - 120	2011-08-24
2-Chlorophenol		1	mg/Kg	60.0	52.4	87	80 - 120	2011-08-24
1,3-Dichlorobenzene (meta)		1	mg/Kg	60.0	54.4	91	80 - 120	2011-08-24
1,4-Dichlorobenzene (para)		1	mg/Kg	60.0	53.3	89	80 - 120	2011-08-24
Benzyl alcohol		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
1,2-Dichlorobenzene (ortho)		1	mg/Kg	60.0	52.6	88	80 - 120	2011-08-24
2-Methylphenol		1	mg/Kg	60.0	50.2	84	80 - 120	2011-08-24
bis(2-chloroisopropyl)ether		1	mg/Kg	60.0	48.8	81	80 - 120	2011-08-24
4-Methylphenol / 3-Methylphenol		1	mg/Kg	60.0	51.0	85	80 - 120	2011-08-24
Acetophenone		1	mg/Kg	60.0	54.2	90	80 - 120	2011-08-24
N-Nitrosodi-n-propylamine		1	mg/Kg	60.0	49.5	82	80 - 120	2011-08-24
Hexachloroethane		1	mg/Kg	60.0	55.3	92	80 - 120	2011-08-24
Nitrobenzene		1	mg/Kg	60.0	59.7	100	80 - 120	2011-08-24
N-Nitrosopiperidine		1	mg/Kg	60.0	56.2	94	80 - 120	2011-08-24

continued ...

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Isophorone		1	mg/Kg	60.0	54.0	90	80 - 120	2011-08-24
2-Nitrophenol		1	mg/Kg	60.0	71.6	119	80 - 120	2011-08-24
2,4-Dimethylphenol		1	mg/Kg	60.0	52.6	88	80 - 120	2011-08-24
bis(2-chloroethoxy)methane		1	mg/Kg	60.0	52.6	88	80 - 120	2011-08-24
Benzoic acid	Qc	1	mg/Kg	60.0	82.5	138	80 - 120	2011-08-24
2,4-Dichlorophenol		1	mg/Kg	60.0	54.6	91	80 - 120	2011-08-24
1,2,4-Trichlorobenzene		1	mg/Kg	60.0	54.6	91	80 - 120	2011-08-24
Naphthalene		1	mg/Kg	60.0	53.4	89	80 - 120	2011-08-24
4-Chloroaniline		1	mg/Kg	60.0	54.5	91	80 - 120	2011-08-24
2,6-Dichlorophenol		1	mg/Kg	60.0	54.6	91	80 - 120	2011-08-24
Hexachlorobutadiene		1	mg/Kg	60.0	54.3	90	80 - 120	2011-08-24
N-Nitroso-di-n-butylamine		1	mg/Kg	60.0	54.8	91	80 - 120	2011-08-24
4-Chloro-3-methylphenol		1	mg/Kg	60.0	56.7	94	80 - 120	2011-08-24
1-Methylnaphthalene			mg/Kg	60.0	53.2	89	80 - 120	2011-08-24
2-Methylnaphthalene		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
1,2,4,5-Tetrachlorobenzene		1	mg/Kg	60.0	49.8	83	80 - 120	2011-08-24
Hexachlorocyclopentadiene		1	mg/Kg	60.0	67.7	113	80 - 120	2011-08-24
2,4,6-Trichlorophenol		1	mg/Kg	60.0	59.1	98	80 - 120	2011-08-24
2,4,5-Trichlorophenol		1	mg/Kg	60.0	66.6	111	80 - 120	2011-08-24
2-Chloronaphthalene		1	mg/Kg	60.0	51.0	85	80 - 120	2011-08-24
1-Chloronaphthalene		1	mg/Kg	60.0	48.9	82	80 - 120	2011-08-24
2-Nitroaniline		1	mg/Kg	60.0	67.9	113	80 - 120	2011-08-24
Dimethylphthalate		1	mg/Kg	60.0	59.6	99	80 - 120	2011-08-24
Acenaphthylene		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
2,6-Dinitrotoluene	Qc	1	mg/Kg	60.0	75.2	125	80 - 120	2011-08-24
3-Nitroaniline		1	mg/Kg	60.0	71.5	119	80 - 120	2011-08-24
Acenaphthene		1	mg/Kg	60.0	54.3	90	80 - 120	2011-08-24
2,4-Dinitrophenol	Qc	1	mg/Kg	60.0	79.1	132	80 - 120	2011-08-24
Dibenzofuran		1	mg/Kg	60.0	54.5	91	80 - 120	2011-08-24
Pentachlorobenzene		1	mg/Kg	60.0	57.6	96	80 - 120	2011-08-24
4-Nitrophenol		1	mg/Kg	60.0	67.0	112	80 - 120	2011-08-24
1-Naphthylamine		1	mg/Kg	60.0	61.9	103	80 - 120	2011-08-24
2,4-Dinitrotoluene	Qc	1	mg/Kg	60.0	75.2	125	80 - 120	2011-08-24
2-Naphthylamine		1	mg/Kg	60.0	62.7	104	80 - 120	2011-08-24
2,3,4,6-Tetrachlorophenol	Qc	1	mg/Kg	60.0	74.7	124	80 - 120	2011-08-24
Fluorene		1	mg/Kg	60.0	58.6	98	80 - 120	2011-08-24
Diethylphthalate		1	mg/Kg	60.0	60.8	101	80 - 120	2011-08-24
4-Chlorophenyl-phenylether		1	mg/Kg	60.0	55.9	93	80 - 120	2011-08-24
4-Nitroaniline		1	mg/Kg	60.0	65.3	109	80 - 120	2011-08-24
4,6-Dinitro-2-methylphenol	Qc	1	mg/Kg	60.0	81.4	136	80 - 120	2011-08-24
Diphenylamine		1	mg/Kg	60.0	59.9	100	80 - 120	2011-08-24
Diphenylhydrazine			mg/Kg	60.0	56.1	94	80 - 120	2011-08-24
4-Bromophenyl-phenylether		1	mg/Kg	60.0	60.0	100	80 - 120	2011-08-24
Phenacetin		1	mg/Kg	60.0	50.4	84	80 - 120	2011-08-24
Hexachlorobenzene		1	mg/Kg	60.0	53.4	89	80 - 120	2011-08-24
4-Aminobiphenyl		1	mg/Kg	60.0	60.2	100	80 - 120	2011-08-24

continued ...

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pentachlorophenol	Qc	1	mg/Kg	60.0	77.2	129	80 - 120	2011-08-24
Pentachloronitrobenzene		1	mg/Kg	60.0	60.4	101	80 - 120	2011-08-24
Pronamide		1	mg/Kg	60.0	52.2	87	80 - 120	2011-08-24
Phenanthrene		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
Anthracene		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
Di-n-butylphthalate		1	mg/Kg	60.0	51.9	86	80 - 120	2011-08-24
Fluoranthene		1	mg/Kg	60.0	48.4	81	80 - 120	2011-08-24
Benzidine	Qc	1	mg/Kg	60.0	81.9	136	80 - 120	2011-08-24
Pyrene		1	mg/Kg	60.0	66.0	110	80 - 120	2011-08-24
p-Dimethylaminoazobenzene			mg/Kg	60.0	58.0	97	80 - 120	2011-08-24
Butylbenzylphthalate		1	mg/Kg	60.0	60.6	101	80 - 120	2011-08-24
Benzo(a)anthracene		1	mg/Kg	60.0	55.4	92	80 - 120	2011-08-24
3,3-Dichlorobenzidine		1	mg/Kg	60.0	61.3	102	80 - 120	2011-08-24
Chrysene		1	mg/Kg	60.0	53.7	90	80 - 120	2011-08-24
bis(2-ethylhexyl)phthalate		1	mg/Kg	60.0	56.6	94	80 - 120	2011-08-24
Di-n-octylphthalate		1	mg/Kg	60.0	55.0	92	80 - 120	2011-08-24
Benzo(b)fluoranthene		1	mg/Kg	60.0	52.2	87	80 - 120	2011-08-24
7,12-Dimethylbenz(a)anthracene		1	mg/Kg	60.0	52.2	87	80 - 120	2011-08-24
Benzo(k)fluoranthene		1	mg/Kg	60.0	54.7	91	80 - 120	2011-08-24
Benzo(a)pyrene		1	mg/Kg	60.0	52.5	88	80 - 120	2011-08-24
3-Methylcholanthrene		1	mg/Kg	60.0	49.8	83	80 - 120	2011-08-24
Dibenzo(a,j)acridine		1	mg/Kg	60.0	53.7	90	80 - 120	2011-08-24
Indeno(1,2,3-cd)pyrene		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
Dibenzo(a,h)anthracene		1	mg/Kg	60.0	52.3	87	80 - 120	2011-08-24
Benzo(g,h,i)perylene		1	mg/Kg	60.0	52.7	88	80 - 120	2011-08-24

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol			55.3	mg/Kg	1	60.0	92	-
Phenol-d5			51.2	mg/Kg	1	60.0	85	-
Nitrobenzene-d5			64.4	mg/Kg	1	60.0	107	-
2-Fluorobiphenyl			50.0	mg/Kg	1	60.0	83	-
2,4,6-Tribromophenol			74.6	mg/Kg	1	60.0	124	-
Terphenyl-d14			63.2	mg/Kg	1	60.0	105	-

Standard (CCV-3)

QC Batch: 84212 Date Analyzed: 2011-08-24 Analyzed By: MN

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pyridine		1	mg/Kg	60.0	50.8	85	80 - 120	2011-08-24
N-Nitrosodimethylamine		1	mg/Kg	60.0	55.0	92	80 - 120	2011-08-24

continued ...

standard continued ...

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
2-Picoline		1	mg/Kg	60.0	55.7	93	80 - 120	2011-08-24
Methyl methanesulfonate		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
Ethyl methanesulfonate		1	mg/Kg	60.0	54.4	91	80 - 120	2011-08-24
Phenol		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
Aniline		1	mg/Kg	60.0	55.1	92	80 - 120	2011-08-24
bis(2-chloroethyl)ether		1	mg/Kg	60.0	53.7	90	80 - 120	2011-08-24
2-Chlorophenol		1	mg/Kg	60.0	53.8	90	80 - 120	2011-08-24
1,3-Dichlorobenzene (meta)		1	mg/Kg	60.0	55.1	92	80 - 120	2011-08-24
1,4-Dichlorobenzene (para)		1	mg/Kg	60.0	55.1	92	80 - 120	2011-08-24
Benzyl alcohol		1	mg/Kg	60.0	55.6	93	80 - 120	2011-08-24
1,2-Dichlorobenzene (ortho)		1	mg/Kg	60.0	53.6	89	80 - 120	2011-08-24
2-Methylphenol		1	mg/Kg	60.0	51.0	85	80 - 120	2011-08-24
bis(2-chloroisopropyl)ether		1	mg/Kg	60.0	50.5	84	80 - 120	2011-08-24
4-Methylphenol / 3-Methylphenol		1	mg/Kg	60.0	52.9	88	80 - 120	2011-08-24
Acetophenone		1	mg/Kg	60.0	54.1	90	80 - 120	2011-08-24
N-Nitrosodi-n-propylamine		1	mg/Kg	60.0	52.2	87	80 - 120	2011-08-24
Hexachloroethane		1	mg/Kg	60.0	57.2	95	80 - 120	2011-08-24
Nitrobenzene		1	mg/Kg	60.0	59.2	99	80 - 120	2011-08-24
N-Nitrosopiperidine		1	mg/Kg	60.0	57.6	96	80 - 120	2011-08-24
Isophorone		1	mg/Kg	60.0	57.1	95	80 - 120	2011-08-24
2-Nitrophenol	Qc	1	mg/Kg	60.0	76.4	127	80 - 120	2011-08-24
2,4-Dimethylphenol		1	mg/Kg	60.0	55.1	92	80 - 120	2011-08-24
bis(2-chloroethoxy)methane		1	mg/Kg	60.0	54.6	91	80 - 120	2011-08-24
Benzoic acid	Qc	1	mg/Kg	60.0	84.0	140	80 - 120	2011-08-24
2,4-Dichlorophenol		1	mg/Kg	60.0	60.7	101	80 - 120	2011-08-24
1,2,4-Trichlorobenzene		1	mg/Kg	60.0	54.5	91	80 - 120	2011-08-24
Naphthalene		1	mg/Kg	60.0	53.8	90	80 - 120	2011-08-24
4-Chloroaniline		1	mg/Kg	60.0	57.1	95	80 - 120	2011-08-24
2,6-Dichlorophenol		1	mg/Kg	60.0	56.8	95	80 - 120	2011-08-24
Hexachlorobutadiene		1	mg/Kg	60.0	56.6	94	80 - 120	2011-08-24
N-Nitroso-di-n-butylamine		1	mg/Kg	60.0	59.1	98	80 - 120	2011-08-24
4-Chloro-3-methylphenol		1	mg/Kg	60.0	63.6	106	80 - 120	2011-08-24
1-Methylnaphthalene			mg/Kg	60.0	55.4	92	80 - 120	2011-08-24
2-Methylnaphthalene		1	mg/Kg	60.0	55.6	93	80 - 120	2011-08-24
1,2,4,5-Tetrachlorobenzene		1	mg/Kg	60.0	48.7	81	80 - 120	2011-08-24
Hexachlorocyclopentadiene		1	mg/Kg	60.0	68.7	114	80 - 120	2011-08-24
2,4,6-Trichlorophenol		1	mg/Kg	60.0	60.0	100	80 - 120	2011-08-24
2,4,5-Trichlorophenol		1	mg/Kg	60.0	71.0	118	80 - 120	2011-08-24
2-Chloronaphthalene		1	mg/Kg	60.0	50.3	84	80 - 120	2011-08-24
1-Chloronaphthalene		1	mg/Kg	60.0	50.5	84	80 - 120	2011-08-24
2-Nitroaniline		1	mg/Kg	60.0	69.1	115	80 - 120	2011-08-24
Dimethylphthalate		1	mg/Kg	60.0	59.8	100	80 - 120	2011-08-24
Acenaphthylene		1	mg/Kg	60.0	53.5	89	80 - 120	2011-08-24
2,6-Dinitrotoluene	Qc	1	mg/Kg	60.0	76.2	127	80 - 120	2011-08-24
3-Nitroaniline	Qc	1	mg/Kg	60.0	74.1	124	80 - 120	2011-08-24
Acenaphthene		1	mg/Kg	60.0	54.6	91	80 - 120	2011-08-24

continued ...

standard continued . . .

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
2,4-Dinitrophenol	Qc	1	mg/Kg	60.0	76.5	128	80 - 120	2011-08-24
Dibenzofuran		1	mg/Kg	60.0	55.2	92	80 - 120	2011-08-24
Pentachlorobenzene		1	mg/Kg	60.0	58.1	97	80 - 120	2011-08-24
4-Nitrophenol		1	mg/Kg	60.0	63.4	106	80 - 120	2011-08-24
1-Naphthylamine		1	mg/Kg	60.0	62.7	104	80 - 120	2011-08-24
2,4-Dinitrotoluene	Qc	1	mg/Kg	60.0	76.2	127	80 - 120	2011-08-24
2-Naphthylamine		1	mg/Kg	60.0	61.1	102	80 - 120	2011-08-24
2,3,4,6-Tetrachlorophenol	Qc	1	mg/Kg	60.0	79.6	133	80 - 120	2011-08-24
Fluorene		1	mg/Kg	60.0	59.7	100	80 - 120	2011-08-24
Diethylphthalate		1	mg/Kg	60.0	61.8	103	80 - 120	2011-08-24
4-Chlorophenyl-phenylether		1	mg/Kg	60.0	58.3	97	80 - 120	2011-08-24
4-Nitroaniline		1	mg/Kg	60.0	66.2	110	80 - 120	2011-08-24
4,6-Dinitro-2-methylphenol	Qc	1	mg/Kg	60.0	83.4	139	80 - 120	2011-08-24
Diphenylamine		1	mg/Kg	60.0	60.0	100	80 - 120	2011-08-24
Diphenylhydrazine			mg/Kg	60.0	58.8	98	80 - 120	2011-08-24
4-Bromophenyl-phenylether		1	mg/Kg	60.0	61.7	103	80 - 120	2011-08-24
Phenacetin		1	mg/Kg	60.0	49.8	83	80 - 120	2011-08-24
Hexachlorobenzene		1	mg/Kg	60.0	53.8	90	80 - 120	2011-08-24
4-Aminobiphenyl		1	mg/Kg	60.0	59.3	99	80 - 120	2011-08-24
Pentachlorophenol	Qc	1	mg/Kg	60.0	72.5	121	80 - 120	2011-08-24
Pentachloronitrobenzene		1	mg/Kg	60.0	59.5	99	80 - 120	2011-08-24
Pronamide	Qc	1	mg/Kg	60.0	46.8	78	80 - 120	2011-08-24
Phenanthrene		1	mg/Kg	60.0	53.0	88	80 - 120	2011-08-24
Anthracene		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
Di-n-butylphthalate		1	mg/Kg	60.0	51.0	85	80 - 120	2011-08-24
Fluoranthene	Qc	1	mg/Kg	60.0	46.8	78	80 - 120	2011-08-24
Benzidine		1	mg/Kg	60.0	66.7	111	80 - 120	2011-08-24
Pyrene		1	mg/Kg	60.0	64.5	108	80 - 120	2011-08-24
p-Dimethylaminoazobenzene			mg/Kg	60.0	58.6	98	80 - 120	2011-08-24
Butylbenzylphthalate		1	mg/Kg	60.0	59.7	100	80 - 120	2011-08-24
Benzo(a)anthracene		1	mg/Kg	60.0	55.7	93	80 - 120	2011-08-24
3,3-Dichlorobenzidine		1	mg/Kg	60.0	57.4	96	80 - 120	2011-08-24
Chrysene		1	mg/Kg	60.0	54.6	91	80 - 120	2011-08-24
bis(2-ethylhexyl)phthalate		1	mg/Kg	60.0	57.3	96	80 - 120	2011-08-24
Di-n-octylphthalate		1	mg/Kg	60.0	52.8	88	80 - 120	2011-08-24
Benzo(b)fluoranthene		1	mg/Kg	60.0	51.6	86	80 - 120	2011-08-24
7,12-Dimethylbenz(a)anthracene		1	mg/Kg	60.0	50.6	84	80 - 120	2011-08-24
Benzo(k)fluoranthene		1	mg/Kg	60.0	53.9	90	80 - 120	2011-08-24
Benzo(a)pyrene		1	mg/Kg	60.0	52.5	88	80 - 120	2011-08-24
3-Methylcholanthrene	Qc	1	mg/Kg	60.0	42.7	71	80 - 120	2011-08-24
Dibenzo(a,j)acridine		1	mg/Kg	60.0	53.5	89	80 - 120	2011-08-24
Indeno(1,2,3-cd)pyrene		1	mg/Kg	60.0	53.6	89	80 - 120	2011-08-24
Dibenzo(a,h)anthracene		1	mg/Kg	60.0	53.8	90	80 - 120	2011-08-24
Benzo(g,h,i)perylene		1	mg/Kg	60.0	53.2	89	80 - 120	2011-08-24

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol			56.7	mg/Kg	1	60.0	94	-
Phenol-d5			52.1	mg/Kg	1	60.0	87	-
Nitrobenzene-d5			64.2	mg/Kg	1	60.0	107	-
2-Fluorobiphenyl			49.6	mg/Kg	1	60.0	83	-
2,4,6-Tribromophenol			81.3	mg/Kg	1	60.0	136	-
Terphenyl-d14			62.6	mg/Kg	1	60.0	104	-

Standard (CCV-1)

QC Batch: 84229 Date Analyzed: 2011-08-24 Analyzed By: DS

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Aroclor 1242 (PCB-1242)		1	mg/L	0.400	0.378	94	85 - 115	2011-08-24
Aroclor 1254 (PCB-1254)		1	mg/L	0.400	0.420	105	85 - 115	2011-08-24
Aroclor 1260 (PCB-1260)		1	mg/L	0.400	0.410	102	85 - 115	2011-08-24

Standard (CCV-2)

QC Batch: 84229 Date Analyzed: 2011-08-24 Analyzed By: DS

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Aroclor 1242 (PCB-1242)		1	mg/L	0.400	0.412	103	85 - 115	2011-08-24
Aroclor 1254 (PCB-1254)		1	mg/L	0.400	0.390	98	85 - 115	2011-08-24
Aroclor 1260 (PCB-1260)		1	mg/L	0.400	0.402	100	85 - 115	2011-08-24

Standard (CCV-1)

QC Batch: 84256 Date Analyzed: 2011-08-25 Analyzed By: TP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		1	mg/L	0.0100	0.0102	102	80 - 120	2011-08-25

Standard (CCV-2)

QC Batch: 84256 | Date Analyzed: 2011-08-25 | Analyzed By: TP

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		1	mg/L	0.0100	0.0105	105	80 - 120	2011-08-25

Appendix

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704219-11-4	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 1108917

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd.,
El Paso, Texas 79
Tel (915) 585-34
Fax (915) 585-49
1 (888) 588-344

Company Name: Dougherty Sprague Environmental
Phone #: (972)412-8666
Address: (Street, City, Zip) 3902 Industrial St., St. A, Rowlett, TX
Fax #: (972)412-8660
Contact Person: Paul W. Heidgerd 75098
E-mail: PWheidgerd@dsci.com
Invoice to: (If different from above) Attn: Deborah Farris
Project #: Ft Wolters Phase II
Project Name: 1037507
Project Location (including state): TDCJ Property, Fmr. Ft. Wolters, Mineral Wells, TX
Sampler Signature: Paul W. Heidgerd

ANALYS
(Circle or Spe

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE		PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE		SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260 / 624
270512	GT-01	1	4oz		X								X			8/17/11	0930			X			X						X
513	SS-01	1	4oz		X								X			8/17/11	1030			X			X						X
514	SS-02	1	4oz		X								X			8/17/11	1200			X			X						X
515	SS-03	1	4oz		X								X			8/17/11	1215			X			X						X
516	SS-04	1	4oz		X								X			8/17/11	1400			X			X						X
517	SS-05	1	4oz		X								X			8/17/11	1530			X			X						X
518	SS-06	1	4oz		X								X			8/17/11	1600			X			X						X
519	DUP-01	1	4oz		X								X			8/17/11	—			X			X						X
520	SS-07	1	4oz		X								X			8/18/11	0900			X			X						X
521	SS-08	1	4oz		X								X			8/18/11	1000			X			X						X
522	SS-09	1	4oz		X								X			8/18/11	1330			X			X						X

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Paul W. Heidgerd	DSE	8/18/11	1530	[signature]	TA	8/19/11	11:00	INST TR OBS 3.2 COR 2.8 °C
								INST ___ OBS ___ °C COR ___ °C
								INST ___ OBS ___ °C COR ___ °C

LAB USE ONLY
Intact Y N
Headspace Y / N NA
Log-in-Review

REMARK
CO
795

X Dry Weigh
X TRRP Re
Check If S Limits Are

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Fed T

Appendix A
Laboratory Data Package Cover Page – Page 1 of 4

This data package is for Job No. 11081917 and laboratory batch no(s) all inclusive to that Job No and consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- ❑ R1 Field chain-of-custody documentation;
- ❑ R2 Sample identification cross-reference;
- ❑ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5,
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ❑ R4 Surrogate recovery data including:
  - a) calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ❑ R5 Test reports/summary forms for blank samples;
- ❑ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ❑ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ❑ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ❑ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
- ❑ R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in the laboratory review checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program

Release Statement:I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [ ] This laboratory meets an exception under 30 TAC §25.6 and was last inspection by [ ] TCEQ or [ ] _____ on **(enter date of last inspection)**. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Name (Printed)	Signature	Official Title (Print)	Date
Michael Abel		Production Manager	08/29/2011

Laboratory Review Checklist: Reportable Data – Page 2 of 4

Laboratory Name: TraceAnalysis, Inc.	LRC Date: 8/29/11
Project Name: Ft. Wolters Phase II	Laboratory Job Number: 11081917
Reviewer Name: Michael Abel	Prep Batch Number(s): All Inclusive for Order I.D.

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✔				
		Were all departures from standard conditions described in an exception report?	✔				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✔				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✔				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	✔				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?		✔			
		Were calculations checked by a peer or supervisor?	✔				
		Were all analyte identifications checked by a peer or supervisor?	✔				
		Were sample detection limits reported for all analytes not detected?	✔				
		Were all results for soil and sediment samples reported on a dry weight basis?	✔				
		Were % moisture (or solids) reported for all soil and sediment samples?	✔				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?	✔				
		If required for the project, are TICs reported?			✔		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	✔				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		✔			
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	✔				
		Were blanks analyzed at the appropriate frequency?	✔				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✔				
		Were blank concentrations < MQL?	✔				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	✔				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	✔				
		Were LCSs analyzed at required frequency?	✔				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		✔			
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	✔				
		Was the LCSD RPD within QC limits?	✔				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	✔				
		Were MS/MSD analyzed at the appropriate frequency?	✔				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		✔			
		Were MS/MSD RPDs within laboratory QC limits?		✔			
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	✔				
		Were analytical duplicates analyzed at the appropriate frequency?	✔				
		Were RPDs relative standard deviations within the laboratory QC limits?	✔				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	✔				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✔				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	✔				

Laboratory Review Checklist: Reportable Data – Page 2 of 4 Continued

Laboratory Name: TraceAnalysis, Inc.	LRC Date: 8/29/11
Project Name: Ft. Wolters Phase II	Laboratory Job Number: 11081917
Reviewer Name: Michael Abel	Prep Batch Number(s): All Inclusive for Order I.D.

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	✔				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	✔				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	✔				

1 Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

3 NA = Not applicable;

4 NR = Not reviewed;

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data – Page 3 of 4

Laboratory Name: TraceAnalysis, Inc.	LRC Date: 8/29/11
Project Name: Ft. Wolters Phase II	Laboratory Job Number: 11081917
Reviewer Name: Michael Abel	Prep Batch Number(s): All Inclusive for Order I.D.

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		Were response factors and /or relative response factors for each analyte within QC limits?	✔				
		Were percent RSDs or correlation coefficient criteria met?	✔				
		Was the number of standards recommended in the method used for all analytes?	✔				
		Were all points generated between the lowest and highest standard used to calculate the curve?	✔				
		Are ICAL data available for all instruments used?	✔				
		Has the initial calibration curve been verified using an appropriate second source standard?	✔				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	✔				
		Were percent differences for each analyte within the method required QC limits?		✔			
		Was the ICAL curve verified for each analyte?	✔				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	✔				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	✔				
		Were ion abundance data within the method-required QC limits?	✔				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	✔				
S5	O	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✔				
		Were data associated with manual integrations flagged on the raw data?	✔				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			✔		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✔		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			✔		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			✔		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	✔				
		Is the MDL either adjusted or supported by the analysis of DCSs?	✔				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✔				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✔				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	✔				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	✔				
		Is documentation of the analyst's competency up-to-date and on file?	✔				
S15	OI	**Verification/validation documentation for methods** (NELAC Chapter 5)					
		Are all the methods used to generate the date documented, verified, and validated, where applicable?	✔				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	✔				

1 Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

3 NA = Not applicable;

4 NR = Not reviewed;

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Work Order: 11081917

Sample: 275012

Semivolatiles TRRP:

Phenanthrene	J, Estimated concentration
Anthracene	J, Estimated concentration
Fluoranthene	J, Estimated concentration
Pyrene	J, Estimated concentration
Benzo(a)anthracene	J, Estimated concentration
Chrysene	J, Estimated concentration
Benzo(b)fluoranthene	J, Estimated concentration
Indeno(1,2,3-cd)pyrene	J, Estimated concentration
Benzo(g,h,i)perylene	J, Estimated concentration
2,4,6-Tribromophenol	Qsr, Surrogate recovery outside of laboratory limits.
Terphenyl-d14	Qsr, Surrogate recovery outside of laboratory limits.

Sample: 275013

TX1005 - NEW:

n-Tricosane	Qsr, Surrogate recovery outside of laboratory limits.
n-Triacontane	Qsr, Surrogate recovery outside of laboratory limits.

Sample: 275018

Semivolatiles TRRP:

Terphenyl-d14	Qsr, Surrogate recovery outside of laboratory limits.

Sample: 275019

Semivolatiles TRRP:

Terphenyl-d14	Qsr, Surrogate recovery outside of laboratory limits.

Sample: 275021

Semivolatiles TRRP:

Phenanthrene	J, Estimated concentration
Fluoranthene	J, Estimated concentration
Pyrene	J, Estimated concentration
Chrysene	J, Estimated concentration
Benzo(b)fluoranthene	J, Estimated concentration

QC Batch: 84100

CCV	1,1,2,2-Tetrachloroethane	Qc, Calibration check outside of laboratory limits.
	1,2,3-Trichlorobenzene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	1,2,4-Trichlorobenzene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	1,2-Dibromo-3-chloropropane	Qc, Calibration check outside of laboratory limits.
	2,2-Dichloropropane	Qc, Calibration check outside of laboratory limits.
	2-Butanone (MEK)	Qc, Calibration check outside of laboratory limits.
	2-Chloroethyl vinyl ether	Qc, Calibration check outside of laboratory limits.
	2-Hexanone	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Acetone	Qc, Calibration check outside of laboratory limits.
	Acrylonitrile	Qc, Calibration check outside of laboratory limits.
	Isopropylbenzene	Qc, Calibration check outside of laboratory limits.
	Naphthalene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	tert-Butylbenzene	Qc, Calibration check outside of laboratory limits.
	Tetrachloroethene (PCE)	Qc, Calibration check outside of laboratory limits.
	trans 1,4-Dichloro-2-butene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
MSD	Bromomethane (methyl bromide)	Qr, RPD outside of laboratory limits
	Chloroethane	Qr, RPD outside of laboratory limits
	Dichlorodifluoromethane	Qr, RPD outside of laboratory limits
	Trichlorofluoromethane	Qr, RPD outside of laboratory limits

QC Batch: 84158

MS	C6-C12	Qs, Spike recovery outside of laboratory limits.
	n-Octane	Qsr, Surrogate recovery outside of laboratory limits.
MSD	C6-C12	Qs, Spike recovery outside of laboratory limits.
	n-Octane	Qsr, Surrogate recovery outside of laboratory limits.

QC Batch: 84212

CCV	2,3,4,6-Tetrachlorophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2,4-Dinitrophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2,4-Dinitrotoluene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2,6-Dinitrotoluene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2-Nitrophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	3-Methylcholanthrene	Qc, Calibration check outside of laboratory limits.
	3-Nitroaniline	Qc, Calibration check outside of laboratory limits.
	4,6-Dinitro-2-methylphenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Benzidine	Qc, Calibration check outside of laboratory limits.
	Benzoic acid	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Fluoranthene	Qc, Calibration check outside of laboratory limits.
	Pentachlorophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Phenol	Qc, Calibration check outside of laboratory limits.
	Pronamide	Qc, Calibration check outside of laboratory limits.
LCS	Benzo(k)fluoranthene	Qs, Spike recovery outside of laboratory limits.
MS	2,3,4,6-Tetrachlorophenol	Qs, Spike recovery outside of laboratory limits.
	2,4-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2,6-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	3-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	Acenaphthene	Qs, Spike recovery outside of laboratory limits.
	Anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzidine	Qs, Spike recovery outside of laboratory limits.
	Benzo(a)anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzo(b)fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Benzo(g,h,i)perylene	Qs, Spike recovery outside of laboratory limits.
	Chrysene	Qs, Spike recovery outside of laboratory limits.
	Dibenzofuran	Qs, Spike recovery outside of laboratory limits.
	Diphenylamine	Qs, Spike recovery outside of laboratory limits.
	Fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Fluorene	Qs, Spike recovery outside of laboratory limits.
	Indeno(1,2,3-cd)pyrene	Qs, Spike recovery outside of laboratory limits.
	Naphthalene	Qs, Spike recovery outside of laboratory limits.
	Phenanthrene	Qs, Spike recovery outside of laboratory limits.
	Pyrene	Qs, Spike recovery outside of laboratory limits.
MSD	2,3,4,6-Tetrachlorophenol	Qs, Spike recovery outside of laboratory limits.
	2,4,6-Tribromophenol	Qsr, Surrogate recovery outside of laboratory limits.
	2,4-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2,6-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	3-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	4-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	4-Nitrophenol	Qs, Spike recovery outside of laboratory limits.
	Acenaphthene	Qs, Spike recovery outside of laboratory limits.
	Anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzidine	Qs, Spike recovery outside of laboratory limits.
	Benzo(a)anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzo(a)pyrene	Qs, Spike recovery outside of laboratory limits.
	Benzo(b)fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Benzo(g,h,i)perylene	Qs, Spike recovery outside of laboratory limits.
	Benzo(k)fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Chrysene	Qs, Spike recovery outside of laboratory limits.
	Dibenzofuran	Qs, Spike recovery outside of laboratory limits.
	Diphenylamine	Qs, Spike recovery outside of laboratory limits.
	Fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Fluorene	Qs, Spike recovery outside of laboratory limits.
	Indeno(1,2,3-cd)pyrene	Qs, Spike recovery outside of laboratory limits.
	Naphthalene	Qs, Spike recovery outside of laboratory limits.
	Nitrobenzene	Qs, Spike recovery outside of laboratory limits.
	Pentachlorophenol	Qs, Spike recovery outside of laboratory limits.
	Phenanthrene	Qs, Spike recovery outside of laboratory limits.
	Pyrene	Qs, Spike recovery outside of laboratory limits.

APPENDIX E

PHOTOGRAPHS

Photo 1: Installation of B-1

Photo 2: Installation of B-3

Photo 3: Installation of B-4

Photo 4: Installation of B-8

Photo 5: View of Grit Trap looking west through fence back at wash bay 577

Photo 6: View of culvert at SS-6, west of building 540

Photo 7: View of SS-3 area adjacent to pump base in containment

Photo 8: View of drainage ditch east of 541, looking west

APPENDIX F

Eco Exclusion Criteria Checklist

Figure : 30 TAC ' 350.77(b)

TIER 1: Exclusion Criteria Checklist

This exclusion criteria checklist is intended to aid the person and the TNRCC in determining whether or not further ecological evaluation is necessary at an affected property where a response action is being pursued under the Texas Risk Reduction Program (TRRP). Exclusion criteria refer to those conditions at an affected property which preclude the need for a formal ecological risk assessment (ERA) because there are **incomplete or insignificant ecological exposure pathways** due to the nature of the affected property setting and/or the condition of the affected property media. This checklist (and/or a Tier 2 or 3 ERA or the equivalent) must be completed by the person for all affected property subject to the TRRP. The person should be familiar with the affected property but need not be a professional scientist in order to respond, although some questions will likely require contacting a wildlife management agency (i.e., Texas Parks and Wildlife Department or U.S. Fish and Wildlife Service). The checklist is designed for general applicability to all affected property; however, there may be unusual circumstances which require professional judgment in order to determine the need for further ecological evaluation (e.g., cave-dwelling receptors). In these cases, the person is strongly encouraged to contact TNRCC before proceeding.

Besides some preliminary information, the checklist consists of three major parts, **each of which must be completed unless otherwise instructed.** PART I requests affected property identification and background information. PART II contains the actual exclusion criteria and supportive information. PART III is a qualitative summary statement and a certification of the information provided by the person. **Answers should reflect existing conditions and should not consider future remedial actions at the affected property.** Completion of the checklist should lead to a logical conclusion as to whether further evaluation is warranted. Definitions of terms used in the checklist have been provided and users are strongly encouraged to familiarize themselves with these definitions before beginning the checklist.

Name of Facility:

Affected Property Location:

Southeast corner of the intersection of Cross Post Road at Grant Road, Mineral Wells, Texas 76067

Mailing Address:

TNRCC Case Tracking #s: N/A

Solid Waste Registration #s: N/A

Voluntary Cleanup Program #: N/A

EPA I.D. #s: N/A

Definitions[1]

Affected property - The entire area (i.e., on-site and off-site; including all environmental media) which contains releases of chemicals of concern at concentrations equal to or greater than the assessment level applicable for residential land use and groundwater classification.

Assessment level - A critical protective concentration level for a chemical of concern used for affected property assessments where the human health protective concentration level is established under a Tier 1 evaluation as described in '350.75(b) of this title (relating to Tiered Human Health Protective Concentration Level Evaluation), except for the protective concentration level for the soil-to-groundwater exposure pathway which may be established under Tier 1, 2, or 3 as described in '350.75(i)(7) of this title, and ecological protective concentration levels which are developed, when necessary, under Tier 2 and/or 3 in accordance with '350.77(c) and/or (d), respectively, of this title (relating to Ecological Risk Assessment and Development of Ecological Protective Concentration Levels).

Bedrock - The solid rock (i.e., consolidated, coherent, and relatively hard naturally formed material that cannot normally be excavated by manual methods alone) that underlies gravel, soil or other surficial material.

Chemical of concern - Any chemical that has the potential to adversely affect ecological or human receptors due to its concentration, distribution, and mode of toxicity. Depending on the program area, chemicals of concern may include the following: solid waste, industrial solid waste, municipal solid waste, and hazardous waste as defined in Texas Health and Safety Code, '361.003, as amended; hazardous constituents as listed in 40 Code of Federal Regulations Part 261, Appendix VIII, as amended; constituents on the groundwater monitoring list in 40 Code of Federal Regulations Part 264, Appendix IX, as amended; constituents as listed in 40 CFR Part 258 Appendices I and II, as amended; pollutant as defined in Texas Water Code, '26.001, as amended; hazardous substance as defined in Texas Health and Safety Code, '361.003, as amended, and the Texas Water Code '26.263, as amended; regulated substance as defined in Texas Water Code '26.342, as amended and '334.2 of this title (relating to Definitions), as amended; petroleum product as defined in Texas Water Code '26.342, as amended and '334.122(b)(12) of this title (relating to Definitions for ASTs), as amended; other substances as defined in Texas Water Code '26.039(a), as amended; and daughter products of the aforementioned constituents.

Community - An assemblage of plant and animal populations occupying the same habitat in which the various species interact via spatial and trophic relationships (e.g., a desert community or a pond community).

Complete exposure pathway - An exposure pathway where a human or ecological receptor is exposed to a chemical of concern via an exposure route (e.g., incidental soil ingestion, inhalation of volatiles and particulates, consumption of prey, etc).

De minimus - The description of an area of affected property comprised of one acre or less where the ecological risk is considered to be insignificant because of the small extent of contamination, the absence of protected species, the availability of similar unimpacted habitat nearby, and the lack of adjacent sensitive environmental areas.

Ecological protective concentration level - The concentration of a chemical of concern at the point of exposure within an exposure medium (e.g., soil, sediment, groundwater, or surface water) which is determined in accordance with '350.77(c) or (d) of this title (relating to Ecological Risk Assessment and Development of Ecological Protective Concentration Levels) to be protective for ecological receptors. These concentration levels are primarily intended to be protective for more mobile or wide-ranging ecological receptors and, where appropriate, benthic invertebrate communities within the waters in the state. These concentration levels are not intended to be directly

[1]These definitions were taken from 30 TAC '350.4 and may have both ecological and human health applications. For the purposes of this checklist, it is understood that only the ecological applications are of concern.

protective of receptors with limited mobility or range (e.g., plants, soil invertebrates, and small rodents), particularly those residing within active areas of a facility, unless these receptors are threatened/endangered species or unless impacts to these receptors result in disruption of the ecosystem or other unacceptable consequences for the more mobile or wide-ranging receptors (e.g., impacts to an off-site grassland habitat eliminate rodents which causes a desirable owl population to leave the area).

Ecological risk assessment - The process that evaluates the likelihood that adverse ecological effects may occur or are occurring as a result of exposure to one or more stressors; however, as used in this context, only chemical stressors (i.e., COCs) are evaluated.

Environmental medium - A material found in the natural environment such as soil (including non-waste fill materials), groundwater, air, surface water, and sediments, or a mixture of such materials with liquids, sludges, gases, or solids, including hazardous waste which is inseparable by simple mechanical removal processes, and is made up primarily of natural environmental material.

Exclusion criteria - Those conditions at an affected property which preclude the need to establish a protective concentration level for an ecological exposure pathway because the exposure pathway between the chemical of concern and the ecological receptors is not complete or is insignificant.

Exposure medium - The environmental medium or biologic tissue in which or by which exposure to chemicals of concern by ecological or human receptors occurs.

Facility - The installation associated with the affected property where the release of chemicals of concern occurred.

Functioning cap - A low permeability layer or other approved cover meeting its design specifications to minimize water infiltration and chemical of concern migration, and prevent ecological or human receptor exposure to chemicals of concern, and whose design requirements are routinely maintained.

Landscaped area - An area of ornamental, or introduced, or commercially installed, or manicured vegetation which is routinely maintained.

Off-site property (off-site) - All environmental media which is outside of the legal boundaries of the on-site property.

On-site property (on-site) - All environmental media within the legal boundaries of a property owned or leased by a person who has filed a self-implementation notice or a response action plan for that property or who has become subject to such action through one of the agency=s program areas for that property.

Physical barrier - Any structure or system, natural or manmade, that prevents exposure or prevents migration of chemicals of concern to the points of exposure.

Point of exposure - The location within an environmental medium where a receptor will be assumed to have a reasonable potential to come into contact with chemicals of concern. The point of exposure may be a discrete point, plane, or an area within or beyond some location.

Protective concentration level - The concentration of a chemical of concern which can remain within the source medium and not result in levels which exceed the applicable human health risk-based exposure limit or ecological protective concentration level at the point of exposure for that exposure pathway.

Release - Any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment, with the exception of:

(A) A release that results in an exposure to a person solely within a workplace, concerning a claim that the person may assert against the person's employer;

(B) An emission from the engine exhaust of a motor vehicle, rolling stock, aircraft, vessel, or pipeline pumping station engine;

(C) A release of source, by-product, or special nuclear material from a nuclear incident, as those terms are defined by the Atomic Energy Act of 1954, as amended (42 U.S.C. '2011 et seq.), if the release is subject to requirements concerning financial protection established by the Nuclear Regulatory Commission under '170 of that Act;

(D) For the purposes of the environmental response law '104, as amended, or other response action, a release of source, by-product, or special nuclear material from a processing site designated under '102(a)(1) or '302(a) of the Uranium Mill Tailings Radiation Control Act of 1978 (42 U.S.C. '7912 and '7942), as amended; and

(E) The normal application of fertilizer.

Sediment - Non-suspended particulate material lying below surface waters such as bays, the ocean, rivers, streams, lakes, ponds, or other similar surface water body (including intermittent streams). Dredged sediments which have been removed from below surface water bodies and placed on land shall be considered soils.

Sensitive environmental areas - Areas that provide unique and often protected habitat for wildlife species. These areas are typically used during critical life stages such as breeding, hatching, rearing of young, and overwintering. Examples include critical habitat for threatened and endangered species, wilderness areas, parks, and wildlife refuges.

Source medium - An environmental medium containing chemicals of concern which must be removed, decontaminated and/or controlled in order to protect human health and the environment. The source medium may be the exposure medium for some exposure pathways.

Stressor - Any physical, chemical, or biological entity that can induce an adverse response; however, as used in this context, only chemical entities apply.

Subsurface soil - For human health exposure pathways, the portion of the soil zone between the base of surface soil and the top of the groundwater-bearing unit(s). For ecological exposure pathways, the portion of the soil zone between 0.5 feet and 5 feet in depth.

Surface cover - A layer of artificially placed utility material (e.g., shell, gravel).

Surface soil - For human health exposure pathways, the soil zone extending from ground surface to 15 feet in depth for residential land use and from ground surface to 5 feet in depth for commercial/industrial land use; or to the top of the uppermost groundwater-bearing unit or bedrock, whichever is less in depth. For ecological exposure pathways, the soil zone extending from ground surface to 0.5 feet in depth.

Surface water - Any water meeting the definition of surface water in the state as defined in '307.3 of this title (relating to Abbreviations and Definitions), as amended.

Figure: 30 TAC ' 350.77(b) continued

PART I. Affected Property Identification and Background Information

1) Provide a description of the specific area of the response action and the nature of the release. Include estimated acreage of the affected property and the facility property, and a description of the type of facility and/or operation associated with the affected property. Also describe the location of the affected property with respect to the facility property boundaries and public roadways.

The "Subject Property" is comprised of approximately 16.37 acres of land located at intersection of Cross Post Road and Grant Road, Mineral Wells, Parker County, Texas. The Subject Property is situated approximately 3 miles northeast of the City of Mineral Wells, Texas in the T&P Railroad Company Survey Abstract 1551, and is part of a 235.825 acre tract of land identified and recorded in Vol. 469, Page 521 through 523 of the deed records of Parker County, Texas. The Subject Property is improved with eight structures that originally operated as a motor pool area and classrooms for Fort Wolters, and later were part of Weatherford College's Mineral Wells Education Center. The Subject Property is currently owned by the Texas Department of Criminal Justice and according to City of Mineral Wells City Manager, Mr. Lance Howerton, the site is 'deed restricted' to usage by that agency. Historical aerial photograph and topographic map review indicated that the Subject Property has been developed since at least 1959.

The Subject Property is located in an area that is predominantly undeveloped land mixed with commercial/light industrial development. Major Highway 180, which runs into the center of the City of Mineral Wells, is located approximately 1.68 miles to the south. Utilities at the Subject Property are provided by the City of Mineral Wells municipal providers.

ADDRESS:	Southeast corner of the intersection of Cross Post Road at Grant Road, Mineral Wells, Texas 76067
COUNTY:	Parker County
LEGAL DESCRIPTION:	Property ID: R000058838, TR: PT 26.690 AC; SURV: T&P RR Co.
LAND AREA:	Approximately 16.37 acres
LATITUDE (North):	32° 50' 13.2" N
LONGITUDE (West):	-98° 3' 19.8" W
APPARENT CURRENT OWNER:	Texas Department of Criminal Justice
DATE AQUIRED:	1990

Attach available USGS topographic maps and/or aerial or other affected property photographs to this form to depict the affected property and surrounding area. Indicate attachments:

☒ Topo map ☒ Aerial photo ☐ Other

2) Identify environmental media known or suspected to contain chemicals of concern (COCs) at the present time. Check all that apply:

Known/Suspected COC Location	Based on sampling data?	
☒ Soil < 5 ft below ground surface	☒ Yes	☐ No
☒ Soil >5 ft below ground surface	☒ Yes	☐ No
☐ Groundwater	☐ Yes	☐ No
☐ Surface Water/Sediments	☐ Yes	☐ No

Explain (previously submitted information may be referenced):

See Phase II report for this Site that this document is appended to.

Figure: 30 TAC ' 350.77(b) continued

3) Provide the information below for the nearest surface water body which has become or has the potential to become impacted from migrating COCs via surface water runoff, air deposition, groundwater seepage, etc. Exclude wastewater treatment facilities and stormwater conveyances/impoundments authorized by permit. Also exclude conveyances, decorative ponds, and those portions of process facilities which are:

a. Not in contact with surface waters in the State or other surface waters which are ultimately in contact with surface waters in the State; and

b. Not consistently or routinely utilized as valuable habitat for natural communities including birds, mammals, reptiles, etc.

The nearest surface water body is _____<10_____ feet/~~miles~~ from the affected property and is named _Rocky Creek Tributary #5_____. The water body is best described as a:

☒ freshwater stream: _ _____ perennial (has water all year)
___X__ intermittent (dries up completely for at least 1 week a year)
_____ intermittent with perennial pools

☐ freshwater swamp/marsh/wetland
☐ saltwater or brackish marsh/swamp/wetland
☐ reservoir, lake, or pond; approximate surface acres:
☐ drainage ditch
☐ tidal stream ☐ bay ☐ estuary
☐ other; specify

Is the water body listed as a State classified segment in Appendix C of the current Texas Surface Water Quality Standards; ' '307.1 - 307.10?

☐ Yes Segment # _____ Use Classification:

☒ No

If the water body is not a State classified segment, identify the first downstream classified segment.

Name: Brazos River – Below Possum Kingdom Lake

Segment #: 1206

Use Classification:

Recreation: PCR – Primary Contact Recreation
Aquatic Life: H – High Aquatic life
Domestic Water Supply – N/A
Other: N/A

As necessary, provide further description of surface waters in the vicinity of the affected property:

Figure: 30 TAC '350.77(b) continued

PART II. Exclusion Criteria and Supportive Information

Subpart A. Surface Water/Sediment Exposure

1) Regarding the affected property where a response action is being pursued under the TRRP, have COCs migrated and resulted in a release or imminent threat of release to either surface waters or to their associated sediments via surface water runoff, air deposition, groundwater seepage, etc.? Exclude wastewater treatment facilities and stormwater conveyances/impoundments authorized by permit. Also exclude conveyances, decorative ponds, and those portions of process facilities which are:

a. Not in contact with surface waters in the State or other surface waters which are ultimately in contact with surface waters in the State; and

b. Not consistently or routinely utilized as valuable habitat for natural communities including birds, mammals, reptiles, etc.

☒ Yes ☐ No

Explain:

Soils collected for a Phase II ESA (see report to which this document is appended) from drainage ditches surrounding the site have COCs above PCLs and/or PST Action Levels.

If the answer is Yes to Subpart A above, the affected property does not meet the exclusion criteria. However, complete the remainder of Part II to determine if there is a complete and/or significant soil exposure pathway, then complete PART III - Qualitative Summary and Certification . If the answer is No, go to Subpart B.

Subpart B. Affected Property Setting

In answering AYes@ to the following question, it is understood that the affected property is not attractive to wildlife or livestock, including threatened or endangered species (i.e., the affected property does not serve as valuable habitat, foraging area, or refuge for ecological communities). (May require consultation with wildlife management agencies.)

1) Is the affected property wholly contained within contiguous land characterized by: pavement, buildings, landscaped area, functioning cap, roadways, equipment storage area, manufacturing or process area, other surface cover or structure, or otherwise disturbed ground?

☒ Yes ☐ No

Explain:
The Subject Property is currently vacant land improved with eight abandoned buildings and associated paved drives and parking areas. The southern portion of the site, which is delineated by an intermittent stream (Rock Creek Tributary No. 5), is covered by recent native grasses, weeds, brush, and trees. Surrounding properties are a mixture of undeveloped land and commercial/light industrial properties.

Figure: 30 TAC ' 350.77(b) continued

If the answer to Subpart B above is Yes, the affected property meets the exclusion criteria, assuming the answer to Subpart A was No. Skip Subparts C and D and complete PART III - Qualitative Summary and Certification. If the answer to Subpart B above is No, go to Subpart C.

Figure: 30 TAC '350.77(b) continued

Subpart C. Soil Exposure

1) Are COCs which are in the soil of the affected property solely below the first 5 feet beneath ground surface **or** does the affected property have a physical barrier present to prevent exposure of receptors to COCs in surface soil?

☐ Yes ☐ No

Explain:

If the answer to Subpart C above is Yes, the affected property meets the exclusion criteria, assuming the answer to Subpart A was No. Skip Subpart D and complete PART III - Qualitative Summary and Certification. If the answer to Subpart C above is No, proceed to Subpart D.

Subpart D. *De Minimus* Land Area

In answering AYes@ to the question below, it is understood that all of the following conditions apply:

☐ The affected property is not known to serve as habitat, foraging area, or refuge to threatened/endangered or otherwise protected species. (Will likely require consultation with wildlife management agencies.)
☐ Similar but unimpacted habitat exists within a half-mile radius.
☐ The affected property is not known to be located within one-quarter mile of sensitive environmental areas (e.g., rookeries, wildlife management areas, preserves). (Will likely require consultation with wildlife management agencies.)
☐ There is no reason to suspect that the COCs associated with the affected property will migrate such that the affected property will become larger than one acre.

1) Using human health protective concentration levels as a basis to determine the extent of the COCs, does the affected property consist of one acre or less and does it meet all of the conditions above?

☐ Yes ☐ No

Explain how conditions are met/not met:

If the answer to Subpart D above is Yes, then no further ecological evaluation is needed at this affected property, assuming the answer to Subpart A was No. Complete PART III - Qualitative Summary and Certification. If the answer to Subpart D above is No, proceed to Tier 2 or 3 or comparable ERA.

Figure: 30 TAC ' 350.77(b) continued

PART III. Qualitative Summary and Certification (Complete in all cases.)

Attach a brief statement (not to exceed 1 page) summarizing the information you have provided in this form. This summary should include sufficient information to verify that the affected property meets or does not meet the exclusion criteria. The person should make the initial decision regarding the need for further ecological evaluation (i.e., Tier 2 or 3) based upon the results of this checklist. After review, TNRCC will make a final determination on the need for further assessment. **Note that the person has the continuing obligation to re-enter the ERA process if changing circumstances result in the affected property not meeting the Tier 1 exclusion criteria.**

Completed by: Charles W. Sprague *(Typed/Printed Name)*

Principal Geologist *(Title)*

21November 2011 *(Date)*

I believe that the information submitted is true, accurate, and complete, to the best of my knowledge.

Charles W. Sprague *(Typed/Printed Name of Person)*

Principal Geologist *(Title of Person)*

Charles W. Sprague *(Signature of Person)*

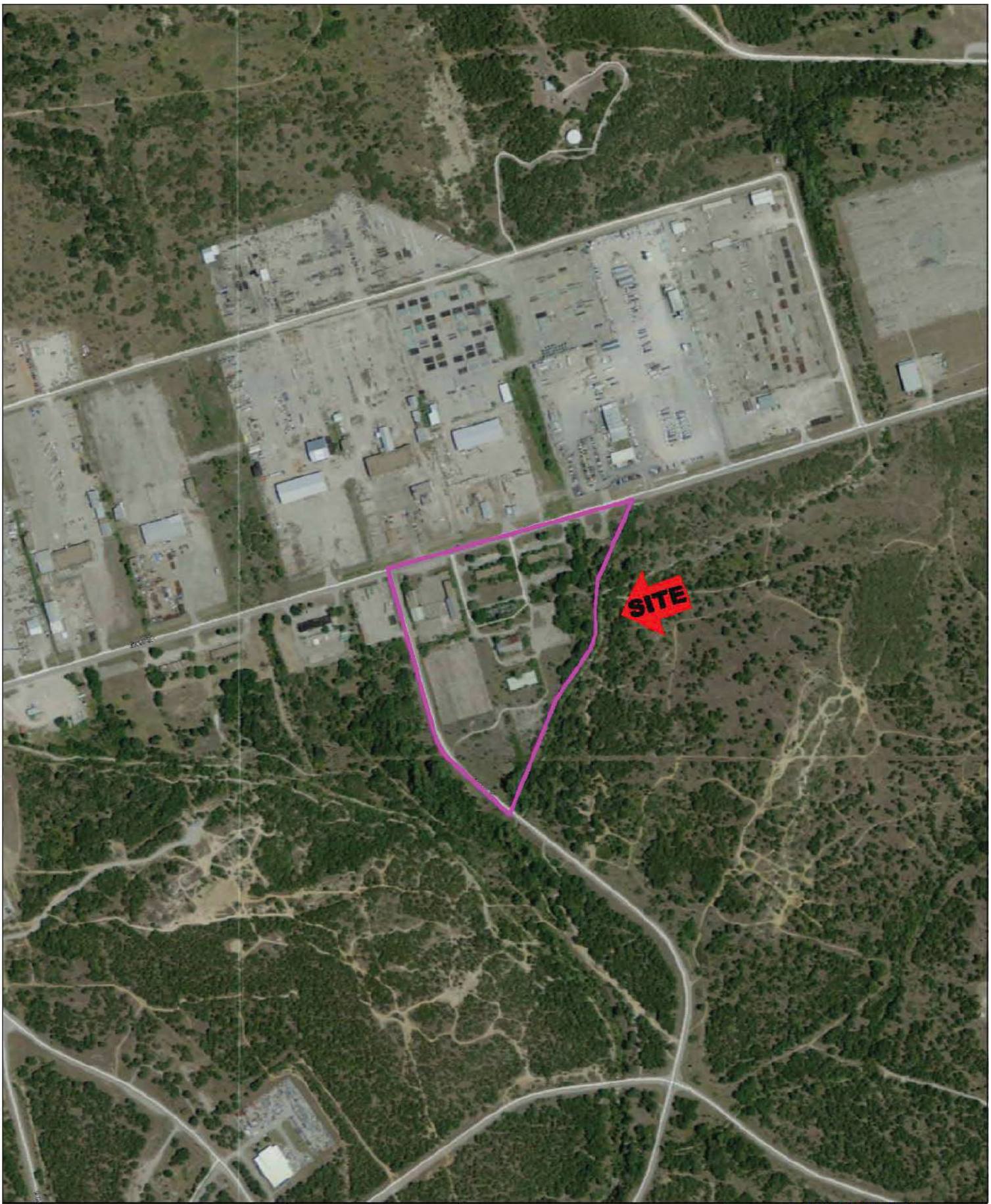
21 Nov 2011 *(Date Signed)*

Figure: 30 TAC ' 350.77(b) continued

The subject Site consists of a former motor pool and classroom area with buildings, garages with service bays, paved parking and driveways, former diesel fueling areas, and vehicle wash bays. The Site was initially developed as a motor pool for a US Army base and has since been owned by the City of Mineral Wells, and reportedly, currently owned by the Texas Department of Criminal Justice. The site is currently not being used.

The Site has had both a Phase I and a Phase II ESA conducted on it, and data collected from soil sampling around the Site has indicated that there are soils that have been impacted by various COCs ranging from the surface to 15 feet below grade. Surface soil samples collected from drainage ditches that exist of the periphery of the motor pool area and from a grit trap associated with a wash bay have various COCs detected at levels above the TRRP Tier 1 Combined Commercial/Industrial Soil PCLs for a 0.5 acre source, and/or the TCEQ Petroleum Storage Tank (PST) Program Action Levels (0'-15').

While the source(s) of impact on these soils have not been fully identified and could come from adjacent properties engaged in various industrial activities as well as from historic activities conducted on the subject site, further investigation into possible sources should be conducted and steps should be taken to prevent surface runoff from the Site impacting surface drainage adjacent to the Site. Further, impact in the drainage ditches should be delineated and these ditches have impacted soils removed and disposed of properly.



Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088

MANAGER	APP. DATE	FILE NAME	
DAF		CAD\Drawing.dwg-15.3.9	
APPROX. SCALE	DRAWN	DATE	PROJECT
1"=600'	CS	10/8/10	1037503

0' 600'
APPROXIMATE SCALE IN FEET

N

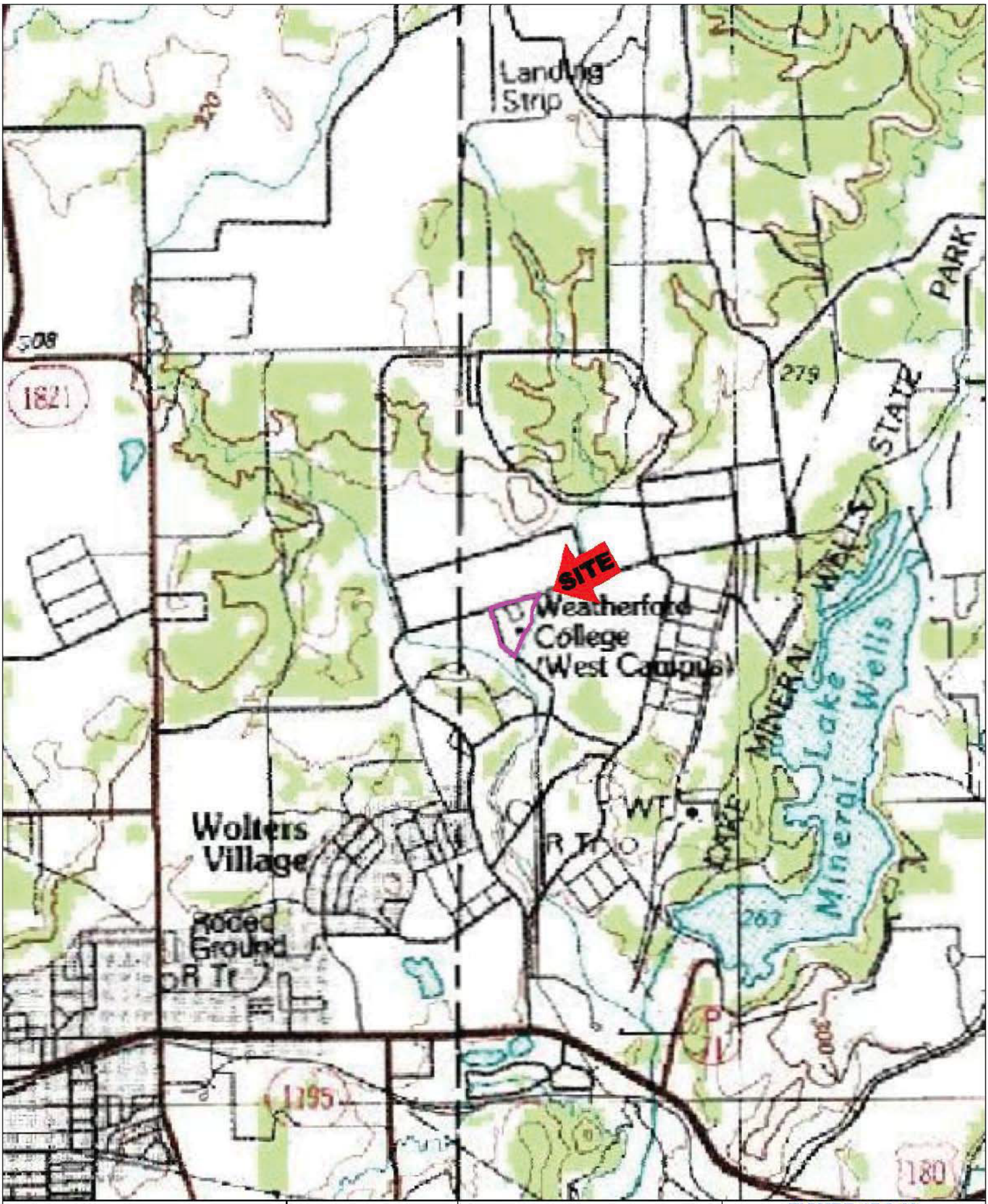
LEGEND

Subject Property Boundary

Aerial Source:
Google Earth Mapping Service
Aerial photograph date: 4/1/2008

FIGURE 15.3.9
2008 AERIAL PHOTOGRAPH

Fort Wolters – TDCJ Property
Cross Post Road/Grant Road
Mineral Wells, TX 76067



Dougherty Sprague Environmental, Inc. 3902 Industrial Street, Suite A Rowlett, Texas 75088			
MANAGER	APP. DATE	FILE NAME	
DAF		CAD\Drawing.dwg–15.3.12	
APPROX. SCALE	DRAWN	DATE	PROJECT
1"=3000'	CS	10/8/10	1037503

N

0' 3000'

APPROXIMATE SCALE IN FEET

LEGEND

Subject Property Boundary

Source:
MSR Maps
www.msrmaps.com
Map date: 7/1/1983
Contour Interval: 5'

FIGURE 15.3.12
1983 TOPOGRAPHIC MAP

Fort Wolters – TDCJ Property
Cross Post Road/Grant Road
Mineral Wells, TX 76067

Site
Mineral Wells
180
Millsap
20
1206
Possum Kingdom Lake
Oak Trail Shores
Palo

APPENDIX G

Data Usability Summary

Fort Wolters Criminal Justice Property
Phase II - Data Usability Summary
Mineral Wells, Texas

Contract No.
W9126G-10-P-0131

Submitted to:

U. S. Army Corps of Engineers
Southwest Division
Fort Worth, Texas

Prepared By:

Dougherty Sprague Environmental, Inc.
3902 Industrial Street, Suite A
Rowlett, Texas 75088

November 2011

Charles W. Sprague, PG
Principal Geologist

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Appendix: TRRP laboratory Review Checklists

Abbreviations and Acronyms

bgs ..... Below Ground Surface

C_n ..... An aliphatic, or chain, organic compound with n carbon atoms

CoC ..... Chain of Custody

COC ..... Chemical of Concern

DOT ..... Department of Transportation

dse ..... Dougherty Sprague Environmental, Inc.

EPA ..... Environmental Protection Agency

ESA ..... Environmental Site Assessment

GSA ..... General Services Administration

IDW ..... Investigation Derived Waste

MDL ..... Method Detection Limit

mg/Kg ..... Milligrams per Kilogram

µg/Kg ..... Micrograms per Kilogram

PAH ..... Polyaromatic Hydrocarbon

PCB ..... Polychlorinated Biphenyls

PCL ..... Protective Concentration Level

PID ..... Photoionization detector

PST ..... Petroleum Storage Tank

RCRA ..... Resource Conservation and Recovery Act

Site ..... Former Fort Wolters TDCJ Property

SDL ..... Sample Detection Limit

SQL ..... Sample Quantitation Limit

SVOCs ..... Semi-volatile Organic Compounds

TAC ..... Texas Administrative Code

TBA ..... Targeted Brownfields Assessment

TBPG ..... Texas Board of Professional Geoscientists

TCEQ ..... Texas Commission on Environmental Quality

TD ..... Total Depth

TDJC ..... Texas Department of Criminal Justice

TPH ..... Total Petroleum Hydrocarbons

TRRP ..... Texas Risk Reduction Program

VOCs ..... Volatile Organic Compounds

Data Usability Summary

Charles Sprague reviewed two data packages, 11081917 and 11081918, from Trace Analysis, Inc. for the analysis of soil and sediment samples collected during August 17-18, 2011. This property is identified as, Fort Wolters, Texas Criminal Justice Property. It consists of an approximately 16.37 Acre Tract in Mineral Wells, Texas. The physical location is located at Cross Post Road and Grant Road, Mineral Wells, Parker County, Texas. The Site latitude and longitude are 32.837479ºN and -098.056540ºW. Data packages were reviewed for conformance to the requirements of the guidance document entitled, "QUALITY ASSURRANCE PROJECT PLAN and WORK PLAN FOR TARGETED BROWNFIELDS ASSESSMENT PHASE II ENVIRONMENTAL SITE ASSESSMENT (QAPP), dated May 19, 2011.

Intended Use of Data:

To provide current data on concentrations of chemicals of concern (COC) in the soils and sediments at the affected property and to assess contaminant levels to determine whether protective concentration levels have been exceeded, and to guide future response actions, if necessary.

Analyses requested included:

Parameter	**Preparation Method**	**Analytical Method (*water/soil*)**
Volatile Organic Compounds (VOCs)	EPA SW-846	EPA 8260C/624
Semi-Volatile Organic Compounds (SVOCs)	EPA SW-846	EPA 8270D/625
Total Petroleum Hydrocarbons (TPH)	TCEQ Methodology	TX1005
RCRA 8 Metals (Ag, As, Ba, Cd, Cr, Pb, Se, & Hg)	EPA SW-846	EPA 6010C/200.7
PCBs	EPA SW-846	EPA 8082/608

The following laboratory submittals and field data were examined:

- the reportable data and the results of supporting quality control (QC) analyses, • the case narratives, Laboratory Review Checklists (LRCs) and associated Exception Reports (ERs), and
- the chain-of-custody (C-O-C) and field information conveyed by the project manager regarding sampling procedures and samples collected.

The LRCs, associated ERs, and reportable data included in this review are attached to this DUS. The following table is a list from the QAPP that the data was measured against.

Data Precision, Accuracy, Measurement Range

Equipment	Matrix	Parameter	Measurement Range	Accuracy	Resolution	Data Usability‡
PID	Soil vapor	Organic Vapor For isobutylene (cal. Gas) (Typical- may vary by make and model)	0–99 ppm 100–1,999 ppm 2,000–10,000 ppm	0-2,000 ppm: +/- 2 ppm or 10% of reading > 2,000 ppm : +/- 20% of Reading	0.1 ppm 1.0 ppm 1.0 ppm	QA Level 1
GC	Soil/ groundwater	TPH, PCBs	Varies by Analyte†	Varies by Analyte†	Varies by Analyte†	QA Level 3
GC/MS	Soil/ groundwater	VOCs, SVOCs	Varies by Analyte†	Varies by Analyte†	Varies by Analyte†	QA Level 3
ICP-AES	Soil/ groundwater	Metals	Varies by Analyte†	Varies by Analyte†	Varies by Analyte†	QA Level 3

‡ USEPA Quality Assurance Technical Information Bulletin
† EPA SW-846 Test methods Manual

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Introduction

Twenty-two (22) soil/sediment samples, including two (2) duplicates, and one (1) trip blank were analyzed for VOCs, SVOC's, metals, TPH, PCB's, and moisture content. Table 1 lists the sample identifications cross-referenced to laboratory identifications.

Project Objectives

Metals
- Recovery 75-125%
- RPD 30%

Organic Compounds
- Recovery 60-140%
- RPD 40%

Data Review / Validation Results

Analytical Results

Soil analytical results are reported corrected for moisture content. Qualified sample data are listed in Table 3. All results were evaluated against the sample quantitation limit (SQL) and reported with a J flag if < MQL but > SQL. Non-detected results are reported as less than the value of the method quantitation limit (MQL) adjusted for sample percent moisture and dilution factor.

Preservation and Holding Times

Samples were evaluated for agreement with the COC. All samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field as specified in the QAPP. Samples were prepared and analyzed within holding times specified in the QAPP.

Calibrations

According to the LRCs, initial calibration and continuing calibration data met SW-846 method requirements for VOC analyses with the exception of Continuing Calibration Verification samples (CCV) for 1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetone, Acrylonitrile, Isopropylbenzene, Naphthalene, tert-Butylbenzene, Tetrachloroethene (PCE), trans 1,4-Dichloro-2-butene, 1,2-Dibromo-3-chloropropane, 2,2-Dichloropropane, 2-Butanone (MEK), 2-Chloroethyl vinyl ether, and 2-Hexanone, which had calibrations outside of laboratory limits. Of these, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, and Naphthalene were detected in the associated samples.

According to the LRCs, initial calibration and continuing calibration data met SW-846 method requirements for SVOC analyses with the exception of Continuing Calibration Verification samples (CCV) for 2,3,4,6-Tetrachlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 3-Methylcholanthrene, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, Benzidine, Benzoic acid, Fluoranthene, Pentachlorophenol, Phenol, and Pronamide, which had calibrations outside of laboratory limits. Of these, 3-Nitroaniline, Benzoic acid, and Fluoranthene were detected in the associated samples. The LRCs also document satisfactory instrument performance calibrations (GC/MS tunes) for VOC analyses.

All of the analytes detected above were either "J"-flagged or well above their respective action level and/or PCL, and are, therefore considered usable for the goals of this site investigation.

Blanks

All blanks were performed at the required frequency. Methylene chloride, n-butylbenzene, 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, Naphthalene, and hexachlorobutadiene were detected in method blanks at levels above the MDL. All associated samples with these analytes were "J"-flagged. Qualified results are summarized in Table 3. Internal Standard and Surrogate Recoveries (TPH, VOCs and SVOCs Only) analyses were within the project objectives except for samples B-2, B-7, B-8, GT-1, SS-6, and SS-8 for SVOCs. In all cases most of the surrogates were within parameters and only one or two of the surrogates were outside their respective parameters. Specifically, B-2, B-8 had slightly low recoveries, and B-7, GT-1, and SS-8 had recoveries that were slightly high. Sample SS-6 had surrogate recovery for TPH that ran slightly high. Most f these samples had "J"-flagged analytical results or relatively low detections and are not disqualified by these slight biases. According to the LRCs, internal standard areas were within SW-846 method acceptance criteria.

Laboratory Control Samples

Laboratory Control Samples (LCS) recoveries for all VOC analyses were within project objectives with the exception of LCS recoveries for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, bromochloromethane, and Naphthalene, and for LCSD recoveries for 1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, and Naphthalene. These ran slightly below the laboratory limits.

Laboratory Control Samples (LCS) recoveries for all SVOC analyses were within project objectives with the exception of LCS recoveries for Benzo(k)fluoranthene. This ran slightly above it's laboratory limit.

As these data were slightly outside their respective rtolerances, the associated data should still be usable and would reflect the general magnitude of the Cocs in these samples.

Matrix Spike/Matrix Spike Duplicates

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is

occurring, however, it may not pertain to the samples for work orders 11081917 and 11081918, since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

Field Precision

Field duplicate, samples SS-04 & Dup-01, precision met project objectives except for arsenic and mercury. Field duplicate, samples B-06 & Dup-02, precision met project objectives except for PCBs, 3-Nitroaniline, Phenanthrene, Arsenic Barium, Mercury, lead, TPH, methylene chloride, p-isoproyltoluene and hexachlorobutadiene. Table 2 summarizes field duplicate precision calculations. These data are most likely skewed due to matrix interference and because not all of the data fails to meet project objectives, the lab data package is considered usable.

Summary

Soil/sediment analytical data are usable for the purpose of determining current contaminant of concern concentrations in the surface and subsurface at the affected property. Soil/sediment data are usable for the purpose of characterizing the soil present at the affected property for suitability for off-site disposal or other remedies. Some are qualified as estimated (J) and/or (JB) due to the detection of these analytes in the method blank. Some results have been qualified as estimated with a likely very low or slightly high bias due to low or slightly elevated LCS recoveries. See data tables below for details.

Table 1 - Cross-Reference Field Sample Identification and Laboratory Identification

Field ID	Lab ID
GT-01	275012
SS-01	275013
SS-02	275014
SS-03	275015
SS-04	275016
SS-05	275017
SS-06	275018
Dup.-01	275019
SS-07	275020
SS-08	275021
SS-09	275022
B-1 (5-10)	275023
B-2 (5-10)	275024
B-3 (0-5)	275025
B-4 (0-5)	275026
B-5 (5-10)	275027
B-6 (0-5)	275028
B-7 (10-15)	275029
B-8 (5-10)	275030
B-9 (5-10)	275031
B-10 (0-5)	275032
Dup.-2	275033

Table 2 - Field Precision

Method Analyte Unit PQL Dup-01 MW-02 RPD RPD Rating Samp Qual
SW8260 cis-1,2-Dichloroethene mg/L 0.0010 0.00031 0.00033 6.3% Good None
SW8260 Tetrachloroethene mg/L 0.0010 NA 0.00024 NC

Sample ID	Analyte	Sample Result	Qual	Duplicate Result	Qual	RPD	Units
B-6 (0-5)/ Dup.-2	Total PCB	0.000655	U	0.014		-182.12	mg/Kg
	Aroclor 1254 (PCB-1254)	0.00075	U	0.014		-179.66	mg/Kg
	3-Nitroaniline	0.116	J	0.0262	U	126.30	mg/Kg
	Phenanthrene	0.0618	J	0.0302	U	68.70	mg/Kg
	Total Arsenic	0.156	U	3.93		-184.73	mg/Kg
	Total Barium	66		93.1		-34.07	mg/Kg
	Total Chromium	6.79		8.26		-19.53	mg/Kg
	Total Mercury	0.00464	J	0.001115	U	122.50	mg/Kg
	Total Lead	4.57		2.96		42.76	mg/Kg
	C6-C12	17.6	J	7.25	U	83.30	mg/Kg
	>C12-C28	248		18.1	J	172.79	mg/Kg
	Methylene chloride	11.6	JB	22.1	JB	-62.31	ug/Kg
	p-Isopropyltoluene	13.2	J	8.64	J	41.76	ug/Kg
	Naphthalene	33.1	JB	41.4	JB	-22.28	ug/Kg
	Hexachlorobutadiene	17.1	JB	28.4	JB	-49.67	ug/Kg
SS-04/Dup.-1	Total Arsenic	2.78		1.58	J	55.05	mg/Kg
	Total Barium	174		188		-7.73	mg/Kg
	Total Chromium	13.7		17		-21.50	mg/Kg
	Total Mercury	0.0284		0.0172	J	49.12	mg/Kg
	Total Lead	31.6		33.4		-5.54	mg/Kg
	Methylene chloride	18.5	JB	23.9	JB	-25.47	ug/Kg

Samples with “U” qualifiers had their respective SDLs halved for these calculations.

Table 3 - Summary of Qualified Data

SampID	LabID	Analyte	Qual	Reason For Qualification
Dup.-2	275033	>C12-C28	J	Estimated concentration
B-10 (0-5)	275032	1,2,3-Trichlorobenzene	J	Estimated concentration
B-10 (0-5)	275032	1,2,4-Trichlorobenzene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-6 (0-5)	275028	3-Nitroaniline	J	Estimated concentration
B-6 (0-5)	275028	C6-C12	J	Estimated concentration
B-6 (0-5)	275028	Hexachlorobutadiene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.

Dup.-2	275033	Hexachlorobutadiene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-1 (5-10)	275023	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-10 (0-5)	275032	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-2 (5-10)	275024	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-3 (0-5)	275025	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-5 (5-10)	275027	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-6 (0-5)	275028	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-7 (10-15)	275029	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-8 (5-10)	275030	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-9 (5-10)	275031	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
Dup.-2	275033	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-10 (0-5)	275032	Naphthalene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.

B-3 (0-5)	275025	Naphthalene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-4 (0-5)	275026	Naphthalene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-5 (5-10)	275027	Naphthalene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-6 (0-5)	275028	Naphthalene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-7 (10-15)	275029	Naphthalene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
Dup.-2	275033	Naphthalene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-3 (0-5)	275025	n-Butylbenzene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
B-6 (0-5)	275028	Phenanthrene	J	Estimated concentration
B-6 (0-5)	275028	p-Isopropyltoluene	J	Estimated concentration
Dup.-2	275033	p-Isopropyltoluene	J	Estimated concentration
B-1 (5-10)	275023	Total Arsenic	J	Estimated concentration
B-2 (5-10)	275024	Total Arsenic	J	Estimated concentration
B-3 (0-5)	275025	Total Arsenic	J	Estimated concentration
B-1 (5-10)	275023	Total Mercury	J	Estimated concentration
B-10 (0-5)	275032	Total Mercury	J	Estimated concentration
B-2 (5-10)	275024	Total Mercury	J	Estimated concentration
B-3 (0-5)	275025	Total Mercury	J	Estimated concentration
B-4 (0-5)	275026	Total Mercury	J	Estimated concentration
B-5 (5-10)	275027	Total Mercury	J	Estimated concentration
B-6 (0-5)	275028	Total Mercury	J	Estimated concentration
B-7 (10-15)	275029	Total Mercury	J	Estimated concentration
B-8 (5-10)	275030	Total Mercury	J	Estimated concentration

B-9 (5-10)	275031	Total Mercury	J	Estimated concentration
SS-02	275014	>C12-C28	J	Estimated concentration
SS-03	275015	>C12-C28	J	Estimated concentration
SS-01	275013	1,2,3-Trichlorobenzene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
GT-01	275012	1,2,4-Trichlorobenzene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-01	275013	1,2,4-Trichlorobenzene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-01	275013	3-Nitroaniline	J	Estimated concentration
SS-02	275014	3-Nitroaniline	J	Estimated concentration
SS-03	275015	3-Nitroaniline	J	Estimated concentration
GT-01	275012	Acenaphthene	J	Estimated concentration
SS-06	275018	Acenaphthene	J	Estimated concentration
GT-01	275012	Acenaphthylene	J	Estimated concentration
SS-08	275021	Acenaphthylene	J	Estimated concentration
SS-06	275018	Anthracene	J	Estimated concentration
SS-01	275013	Benzo(a)anthracene	J	Estimated concentration
SS-09	275022	Benzo(a)anthracene	J	Estimated concentration
SS-01	275013	Benzo(a)pyrene	J	Estimated concentration
SS-09	275022	Benzo(a)pyrene	J	Estimated concentration
SS-01	275013	Benzo(b)fluoranthene	J	Estimated concentration
SS-02	275014	Benzo(b)fluoranthene	J	Estimated concentration
SS-01	275013	Benzo(g,h,i)perylene	J	Estimated concentration
SS-09	275022	Benzo(g,h,i)perylene	J	Estimated concentration
GT-01	275012	Benzo(k)fluoranthene	J	Estimated concentration
SS-06	275018	Benzo(k)fluoranthene	J	Estimated concentration
SS-09	275022	Benzo(k)fluoranthene	J	Estimated concentration
SS-01	275013	Benzoic acid	J	Estimated concentration
SS-01	275013	Chrysene	J	Estimated concentration
SS-02	275014	Chrysene	J	Estimated concentration
GT-01	275012	Dibenzo(a,h)anthracene	J	Estimated concentration
SS-06	275018	Dibenzo(a,h)anthracene	J	Estimated concentration
SS-09	275022	Dibenzo(a,h)anthracene	J	Estimated concentration
GT-01	275012	Dibenzofuran	J	Estimated concentration
SS-06	275018	Dibenzofuran	J	Estimated concentration
SS-08	275021	Dibenzofuran	J	Estimated concentration
SS-01	275013	Fluoranthene	J	Estimated concentration
SS-02	275014	Fluoranthene	J	Estimated concentration
SS-06	275018	Fluorene	J	Estimated concentration

GT-01	275012	Hexachlorobutadiene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-01	275013	Hexachlorobutadiene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-01	275013	Indeno(1,2,3-cd)pyrene	J	Estimated concentration
SS-09	275022	Indeno(1,2,3-cd)pyrene	J	Estimated concentration
Dup.-01	275019	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
GT-01	275012	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-01	275013	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-02	275014	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-03	275015	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-04	275016	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-05	275017	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-06	275018	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-07	275020	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-08	275021	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.

SS-09	275022	Methylene chloride	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
GT-01	275012	Naphthalene	J	Estimated concentration
GT-01	275012	Naphthalene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-01	275013	Naphthalene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-02	275014	Naphthalene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-03	275015	Naphthalene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-06	275018	Naphthalene	J	Estimated concentration
SS-06	275018	Naphthalene	JB	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains <10X the concentration found in the method blank. The result should be considered non-detect to the SDL.
SS-08	275021	Naphthalene	J	Estimated concentration
SS-01	275013	Phenanthrene	J	Estimated concentration
SS-09	275022	Phenanthrene	J	Estimated concentration
SS-03	275015	p-Isopropyltoluene	J	Estimated concentration
SS-01	275013	Pyrene	J	Estimated concentration
SS-02	275014	Pyrene	J	Estimated concentration
Dup.-01	275019	Total Arsenic	J	Estimated concentration
SS-02	275014	Total Arsenic	J	Estimated concentration
Dup.-01	275019	Total Mercury	J	Estimated concentration
SS-02	275014	Total Mercury	J	Estimated concentration
SS-05	275017	Total Mercury	J	Estimated concentration
SS-07	275020	Total Mercury	J	Estimated concentration
SS-09	275022	Total Mercury	J	Estimated concentration

Appendix

TRRP laboratory Review Checklists

Appendix A
Laboratory Data Package Cover Page – Page 1 of 4

This data package is for Job No. 11081918 and laboratory batch no(s) all inclusive to that Job No and consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- ❑ R1 Field chain-of-custody documentation;
- ❑ R2 Sample identification cross-reference;
- ❑ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5,
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ❑ R4 Surrogate recovery data including:
  - a) calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ❑ R5 Test reports/summary forms for blank samples;
- ❑ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ❑ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ❑ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ❑ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
- ❑ R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in the laboratory review checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program

Release Statement:I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [ ] This laboratory meets an exception under 30 TAC §25.6 and was last inspection by [ ] TCEQ or [ ] _____ on **(enter date of last inspection)**. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Name (Printed)	Signature	Official Title (Print)	Date
Michael Abel		Production Manager	09/02/2011

Laboratory Review Checklist: Reportable Data – Page 2 of 4

Laboratory Name: TraceAnalysis, Inc.	LRC Date: 9/02/11
Project Name: Ft. Wolters Phase II	Laboratory Job Number: 11081918
Reviewer Name: Michael Abel	Prep Batch Number(s): All Inclusive for Order I.D.

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✔				
		Were all departures from standard conditions described in an exception report?	✔				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✔				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✔				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	✔				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	✔				
		Were calculations checked by a peer or supervisor?	✔				
		Were all analyte identifications checked by a peer or supervisor?	✔				
		Were sample detection limits reported for all analytes not detected?	✔				
		Were all results for soil and sediment samples reported on a dry weight basis?	✔				
		Were % moisture (or solids) reported for all soil and sediment samples?	✔				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?	✔				
		If required for the project, are TICs reported?			✔		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	✔				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		✔			
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	✔				
		Were blanks analyzed at the appropriate frequency?	✔				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✔				
		Were blank concentrations < MQL?	✔				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	✔				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	✔				
		Were LCSs analyzed at required frequency?	✔				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		✔			
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	✔				
		Was the LCSD RPD within QC limits?		✔			
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	✔				
		Were MS/MSD analyzed at the appropriate frequency?		✔			
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		✔			
		Were MS/MSD RPDs within laboratory QC limits?		✔			
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	✔				
		Were analytical duplicates analyzed at the appropriate frequency?	✔				
		Were RPDs relative standard deviations within the laboratory QC limits?	✔				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	✔				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✔				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	✔				

Laboratory Review Checklist: Reportable Data – Page 2 of 4 Continued

Laboratory Name: TraceAnalysis, Inc.	LRC Date: 9/02/11
Project Name: Ft. Wolters Phase II	Laboratory Job Number: 11081918
Reviewer Name: Michael Abel	Prep Batch Number(s): All Inclusive for Order I.D.

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	✔				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	✔				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	✔				

1 Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

3 NA = Not applicable;

4 NR = Not reviewed;

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data – Page 3 of 4

Laboratory Name: TraceAnalysis, Inc.	LRC Date: 9/02/11
Project Name: Ft. Wolters Phase II	Laboratory Job Number: 11081918
Reviewer Name: Michael Abel	Prep Batch Number(s): All Inclusive for Order I.D.

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		Were response factors and /or relative response factors for each analyte within QC limits?	✔				
		Were percent RSDs or correlation coefficient criteria met?	✔				
		Was the number of standards recommended in the method used for all analytes?	✔				
		Were all points generated between the lowest and highest standard used to calculate the curve?	✔				
		Are ICAL data available for all instruments used?	✔				
		Has the initial calibration curve been verified using an appropriate second source standard?	✔				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	✔				
		Were percent differences for each analyte within the method required QC limits?		✔			
		Was the ICAL curve verified for each analyte?	✔				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	✔				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	✔				
		Were ion abundance data within the method-required QC limits?	✔				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	✔				
S5	O	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✔				
		Were data associated with manual integrations flagged on the raw data?	✔				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?	✔				
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✔		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	✔				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	✔				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	✔				
		Is the MDL either adjusted or supported by the analysis of DCSs?	✔				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✔				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✔				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	✔				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	✔				
		Is documentation of the analyst's competency up-to-date and on file?	✔				
S15	OI	**Verification/validation documentation for methods** (NELAC Chapter 5)					
		Are all the methods used to generate the date documented, verified, and validated, where applicable?	✔				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	✔				

1 Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

3 NA = Not applicable;

4 NR = Not reviewed;

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Work Order: 11081918

Sample: 275024

Semivolatiles TRRP:

2-Fluorophenol	Qsr, Surrogate recovery outside of laboratory limits.

Sample: 275029

Semivolatiles TRRP:

2,4,6-Tribromophenol	Qsr, Surrogate recovery outside of laboratory limits.

Sample: 275030

Semivolatiles TRRP:

Terphenyl-d14	Qsr, Surrogate recovery outside of laboratory limits.

QC Batch: 84100

CCV	1,1,2,2-Tetrachloroethane	Qc, Calibration check outside of laboratory limits.
	1,2,3-Trichlorobenzene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	1,2,4-Trichlorobenzene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	1,2-Dibromo-3-chloropropane	Qc, Calibration check outside of laboratory limits.
	2,2-Dichloropropane	Qc, Calibration check outside of laboratory limits.
	2-Butanone (MEK)	Qc, Calibration check outside of laboratory limits.
	2-Chloroethyl vinyl ether	Qc, Calibration check outside of laboratory limits.
	2-Hexanone	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Acetone	Qc, Calibration check outside of laboratory limits.
	Acrylonitrile	Qc, Calibration check outside of laboratory limits.
	Isopropylbenzene	Qc, Calibration check outside of laboratory limits.
	Naphthalene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	tert-Butylbenzene	Qc, Calibration check outside of laboratory limits.
	Tetrachloroethene (PCE)	Qc, Calibration check outside of laboratory limits.
	trans 1,4-Dichloro-2-butene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
MSD	Bromomethane (methyl bromide)	Qr, RPD outside of laboratory limits
	Chloroethane	Qr, RPD outside of laboratory limits
	Dichlorodifluoromethane	Qr, RPD outside of laboratory limits
	Trichlorofluoromethane	Qr, RPD outside of laboratory limits

QC Batch: 84125

CCV	1,1,2,2-Tetrachloroethane	Qc, Calibration check outside of laboratory limits.
	1,2,3-Trichlorobenzene	Qc, Calibration check outside of laboratory limits.
	1,2,4-Trichlorobenzene	Qc, Calibration check outside of laboratory limits.
	1,2-Dibromo-3-chloropropane	Qc, Calibration check outside of laboratory limits.
	2,2-Dichloropropane	Qc, Calibration check outside of laboratory limits.
	2-Butanone (MEK)	Qc, Calibration check outside of laboratory limits.
	2-Chloroethyl vinyl ether	Qc, Calibration check outside of laboratory limits.
	2-Hexanone	Qc, Calibration check outside of laboratory limits.
	Acetone	Qc, Calibration check outside of laboratory limits.
	Isopropylbenzene	Qc, Calibration check outside of laboratory limits.
	Naphthalene	Qc, Calibration check outside of laboratory limits.
	tert-Butylbenzene	Qc, Calibration check outside of laboratory limits.
	Tetrachloroethene (PCE)	Qc, Calibration check outside of laboratory limits.
	trans 1,4-Dichloro-2-butene	Qc, Calibration check outside of laboratory limits.
LCS	1,2,3-Trichlorobenzene	Qs, Spike recovery outside of laboratory limits.
	1,2,4-Trichlorobenzene	Qs, Spike recovery outside of laboratory limits.
	Bromochloromethane	MS/MSD ran but data not acquired due to software error.
	Naphthalene	Qs, Spike recovery outside of laboratory limits.
LCSD	1,1,2,2-Tetrachloroethane	Qs, Spike recovery outside of laboratory limits.
	1,2,3-Trichlorobenzene	Qs, Spike recovery outside of laboratory limits.
	1,2,4-Trichlorobenzene	Qs, Spike recovery outside of laboratory limits.
	Naphthalene	Qs, Spike recovery outside of laboratory limits.

QC Batch: 84158

MS	C6-C12	Qs, Spike recovery outside of laboratory limits.
	n-Octane	Qsr, Surrogate recovery outside of laboratory limits.
MSD	C6-C12	Qs, Spike recovery outside of laboratory limits.
	n-Octane	Qsr, Surrogate recovery outside of laboratory limits.

QC Batch: 84159

MSD	C6-C12	Qs, Spike recovery outside of laboratory limits.

QC Batch: 84211

CCV	2-Nitrophenol	Qc, Calibration check outside of laboratory limits.
	4,6-Dinitro-2-methylphenol	Qc, Calibration check outside of laboratory limits.
LCSD	2-Nitrophenol	Qr, RPD outside of laboratory limits
	4,6-Dinitro-2-methylphenol	Qr, RPD outside of laboratory limits

QC Batch: 84212

CCV	2,3,4,6-Tetrachlorophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2,4-Dinitrophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2,4-Dinitrotoluene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2,6-Dinitrotoluene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2-Nitrophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	3-Methylcholanthrene	Qc, Calibration check outside of laboratory limits.
	3-Nitroaniline	Qc, Calibration check outside of laboratory limits.
	4,6-Dinitro-2-methylphenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Benzidine	Qc, Calibration check outside of laboratory limits.
	Benzoic acid	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Fluoranthene	Qc, Calibration check outside of laboratory limits.
	Pentachlorophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Phenol	Qc, Calibration check outside of laboratory limits.
	Pronamide	Qc, Calibration check outside of laboratory limits.
LCS	Benzo(k)fluoranthene	Qs, Spike recovery outside of laboratory limits.
MS	2,3,4,6-Tetrachlorophenol	Qs, Spike recovery outside of laboratory limits.
	2,4-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2,6-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	3-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	Acenaphthene	Qs, Spike recovery outside of laboratory limits.
	Anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzidine	Qs, Spike recovery outside of laboratory limits.
	Benzo(a)anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzo(b)fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Benzo(g,h,i)perylene	Qs, Spike recovery outside of laboratory limits.
	Chrysene	Qs, Spike recovery outside of laboratory limits.
	Dibenzofuran	Qs, Spike recovery outside of laboratory limits.
	Diphenylamine	Qs, Spike recovery outside of laboratory limits.
	Fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Fluorene	Qs, Spike recovery outside of laboratory limits.
	Indeno(1,2,3-cd)pyrene	Qs, Spike recovery outside of laboratory limits.
	Naphthalene	Qs, Spike recovery outside of laboratory limits.
	Phenanthrene	Qs, Spike recovery outside of laboratory limits.
	Pyrene	Qs, Spike recovery outside of laboratory limits.
MSD	2,3,4,6-Tetrachlorophenol	Qs, Spike recovery outside of laboratory limits.
	2,4,6-Tribromophenol	Qsr, Surrogate recovery outside of laboratory limits.
	2,4-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2,6-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	3-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	4-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	4-Nitrophenol	Qs, Spike recovery outside of laboratory limits.
	Acenaphthene	Qs, Spike recovery outside of laboratory limits.
	Anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzidine	Qs, Spike recovery outside of laboratory limits.
	Benzo(a)anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzo(a)pyrene	Qs, Spike recovery outside of laboratory limits.
	Benzo(b)fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Benzo(g,h,i)perylene	Qs, Spike recovery outside of laboratory limits.
	Benzo(k)fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Chrysene	Qs, Spike recovery outside of laboratory limits.
	Dibenzofuran	Qs, Spike recovery outside of laboratory limits.
	Diphenylamine	Qs, Spike recovery outside of laboratory limits.
	Fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Fluorene	Qs, Spike recovery outside of laboratory limits.
	Indeno(1,2,3-cd)pyrene	Qs, Spike recovery outside of laboratory limits.
	Naphthalene	Qs, Spike recovery outside of laboratory limits.
	Nitrobenzene	Qs, Spike recovery outside of laboratory limits.
	Pentachlorophenol	Qs, Spike recovery outside of laboratory limits.
	Phenanthrene	Qs, Spike recovery outside of laboratory limits.
	Pyrene	Qs, Spike recovery outside of laboratory limits.

Appendix A
Laboratory Data Package Cover Page – Page 1 of 4

This data package is for Job No. 11081917 and laboratory batch no(s) all inclusive to that Job No and consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- ❑ R1 Field chain-of-custody documentation;
- ❑ R2 Sample identification cross-reference;
- ❑ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5,
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ❑ R4 Surrogate recovery data including:
  - a) calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ❑ R5 Test reports/summary forms for blank samples;
- ❑ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ❑ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ❑ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ❑ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
- ❑ R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in the laboratory review checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program

Release Statement:I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [ ] This laboratory meets an exception under 30 TAC §25.6 and was last inspection by [ ] TCEQ or [ ] _____ on **(enter date of last inspection)**. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Name (Printed)	Signature	Official Title (Print)	Date
Michael Abel		Production Manager	08/29/2011

Laboratory Review Checklist: Reportable Data – Page 2 of 4

Laboratory Name: TraceAnalysis, Inc.	LRC Date: 8/29/11
Project Name: Ft. Wolters Phase II	Laboratory Job Number: 11081917
Reviewer Name: Michael Abel	Prep Batch Number(s): All Inclusive for Order I.D.

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✔				
		Were all departures from standard conditions described in an exception report?	✔				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✔				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✔				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	✔				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?		✔			
		Were calculations checked by a peer or supervisor?	✔				
		Were all analyte identifications checked by a peer or supervisor?	✔				
		Were sample detection limits reported for all analytes not detected?	✔				
		Were all results for soil and sediment samples reported on a dry weight basis?	✔				
		Were % moisture (or solids) reported for all soil and sediment samples?	✔				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?	✔				
		If required for the project, are TICs reported?			✔		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	✔				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		✔			
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	✔				
		Were blanks analyzed at the appropriate frequency?	✔				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✔				
		Were blank concentrations < MQL?	✔				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	✔				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	✔				
		Were LCSs analyzed at required frequency?	✔				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		✔			
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	✔				
		Was the LCSD RPD within QC limits?	✔				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	✔				
		Were MS/MSD analyzed at the appropriate frequency?	✔				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		✔			
		Were MS/MSD RPDs within laboratory QC limits?		✔			
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	✔				
		Were analytical duplicates analyzed at the appropriate frequency?	✔				
		Were RPDs relative standard deviations within the laboratory QC limits?	✔				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	✔				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✔				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	✔				

Laboratory Review Checklist: Reportable Data – Page 2 of 4 Continued

Laboratory Name: TraceAnalysis, Inc.	LRC Date: 8/29/11
Project Name: Ft. Wolters Phase II	Laboratory Job Number: 11081917
Reviewer Name: Michael Abel	Prep Batch Number(s): All Inclusive for Order I.D.

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	✔				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	✔				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	✔				

1 Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

3 NA = Not applicable;

4 NR = Not reviewed;

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data – Page 3 of 4

Laboratory Name: TraceAnalysis, Inc.	LRC Date: 8/29/11
Project Name: Ft. Wolters Phase II	Laboratory Job Number: 11081917
Reviewer Name: Michael Abel	Prep Batch Number(s): All Inclusive for Order I.D.

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		Were response factors and /or relative response factors for each analyte within QC limits?	✔				
		Were percent RSDs or correlation coefficient criteria met?	✔				
		Was the number of standards recommended in the method used for all analytes?	✔				
		Were all points generated between the lowest and highest standard used to calculate the curve?	✔				
		Are ICAL data available for all instruments used?	✔				
		Has the initial calibration curve been verified using an appropriate second source standard?	✔				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	✔				
		Were percent differences for each analyte within the method required QC limits?		✔			
		Was the ICAL curve verified for each analyte?	✔				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	✔				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	✔				
		Were ion abundance data within the method-required QC limits?	✔				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	✔				
S5	O	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✔				
		Were data associated with manual integrations flagged on the raw data?	✔				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			✔		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✔		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			✔		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			✔		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	✔				
		Is the MDL either adjusted or supported by the analysis of DCSs?	✔				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✔				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✔				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	✔				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	✔				
		Is documentation of the analyst's competency up-to-date and on file?	✔				
S15	OI	**Verification/validation documentation for methods** (NELAC Chapter 5)					
		Are all the methods used to generate the date documented, verified, and validated, where applicable?	✔				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	✔				

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Work Order: 11081917

Sample: 275012

Semivolatiles TRRP:

Phenanthrene	J, Estimated concentration
Anthracene	J, Estimated concentration
Fluoranthene	J, Estimated concentration
Pyrene	J, Estimated concentration
Benzo(a)anthracene	J, Estimated concentration
Chrysene	J, Estimated concentration
Benzo(b)fluoranthene	J, Estimated concentration
Indeno(1,2,3-cd)pyrene	J, Estimated concentration
Benzo(g,h,i)perylene	J, Estimated concentration
2,4,6-Tribromophenol	Qsr, Surrogate recovery outside of laboratory limits.
Terphenyl-d14	Qsr, Surrogate recovery outside of laboratory limits.

Sample: 275013

TX1005 - NEW:

n-Tricosane	Qsr, Surrogate recovery outside of laboratory limits.
n-Triacontane	Qsr, Surrogate recovery outside of laboratory limits.

Sample: 275018

Semivolatiles TRRP:

Terphenyl-d14	Qsr, Surrogate recovery outside of laboratory limits.

Sample: 275019

Semivolatiles TRRP:

Terphenyl-d14	Qsr, Surrogate recovery outside of laboratory limits.

Sample: 275021

Semivolatiles TRRP:

Phenanthrene	J, Estimated concentration
Fluoranthene	J, Estimated concentration
Pyrene	J, Estimated concentration
Chrysene	J, Estimated concentration
Benzo(b)fluoranthene	J, Estimated concentration

QC Batch: 84100

CCV	1,1,2,2-Tetrachloroethane	Qc, Calibration check outside of laboratory limits.
	1,2,3-Trichlorobenzene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	1,2,4-Trichlorobenzene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	1,2-Dibromo-3-chloropropane	Qc, Calibration check outside of laboratory limits.
	2,2-Dichloropropane	Qc, Calibration check outside of laboratory limits.
	2-Butanone (MEK)	Qc, Calibration check outside of laboratory limits.
	2-Chloroethyl vinyl ether	Qc, Calibration check outside of laboratory limits.
	2-Hexanone	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Acetone	Qc, Calibration check outside of laboratory limits.
	Acrylonitrile	Qc, Calibration check outside of laboratory limits.
	Isopropylbenzene	Qc, Calibration check outside of laboratory limits.
	Naphthalene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	tert-Butylbenzene	Qc, Calibration check outside of laboratory limits.
	Tetrachloroethene (PCE)	Qc, Calibration check outside of laboratory limits.
	trans 1,4-Dichloro-2-butene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
MSD	Bromomethane (methyl bromide)	Qr, RPD outside of laboratory limits
	Chloroethane	Qr, RPD outside of laboratory limits
	Dichlorodifluoromethane	Qr, RPD outside of laboratory limits
	Trichlorofluoromethane	Qr, RPD outside of laboratory limits

QC Batch: 84158

MS	C6-C12	Qs, Spike recovery outside of laboratory limits.
	n-Octane	Qsr, Surrogate recovery outside of laboratory limits.
MSD	C6-C12	Qs, Spike recovery outside of laboratory limits.
	n-Octane	Qsr, Surrogate recovery outside of laboratory limits.

QC Batch: 84212

CCV	2,3,4,6-Tetrachlorophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2,4-Dinitrophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2,4-Dinitrotoluene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2,6-Dinitrotoluene	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	2-Nitrophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	3-Methylcholanthrene	Qc, Calibration check outside of laboratory limits.
	3-Nitroaniline	Qc, Calibration check outside of laboratory limits.
	4,6-Dinitro-2-methylphenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Benzidine	Qc, Calibration check outside of laboratory limits.
	Benzoic acid	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Fluoranthene	Qc, Calibration check outside of laboratory limits.
	Pentachlorophenol	Qc, Calibration check outside of laboratory limits.
		Qc, Calibration check outside of laboratory limits.
	Phenol	Qc, Calibration check outside of laboratory limits.
	Pronamide	Qc, Calibration check outside of laboratory limits.
LCS	Benzo(k)fluoranthene	Qs, Spike recovery outside of laboratory limits.
MS	2,3,4,6-Tetrachlorophenol	Qs, Spike recovery outside of laboratory limits.
	2,4-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2,6-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	3-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	Acenaphthene	Qs, Spike recovery outside of laboratory limits.
	Anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzidine	Qs, Spike recovery outside of laboratory limits.
	Benzo(a)anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzo(b)fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Benzo(g,h,i)perylene	Qs, Spike recovery outside of laboratory limits.
	Chrysene	Qs, Spike recovery outside of laboratory limits.
	Dibenzofuran	Qs, Spike recovery outside of laboratory limits.
	Diphenylamine	Qs, Spike recovery outside of laboratory limits.
	Fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Fluorene	Qs, Spike recovery outside of laboratory limits.
	Indeno(1,2,3-cd)pyrene	Qs, Spike recovery outside of laboratory limits.
	Naphthalene	Qs, Spike recovery outside of laboratory limits.
	Phenanthrene	Qs, Spike recovery outside of laboratory limits.
	Pyrene	Qs, Spike recovery outside of laboratory limits.
MSD	2,3,4,6-Tetrachlorophenol	Qs, Spike recovery outside of laboratory limits.
	2,4,6-Tribromophenol	Qsr, Surrogate recovery outside of laboratory limits.
	2,4-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2,6-Dinitrotoluene	Qs, Spike recovery outside of laboratory limits.
	2-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	3-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	4-Nitroaniline	Qs, Spike recovery outside of laboratory limits.
	4-Nitrophenol	Qs, Spike recovery outside of laboratory limits.
	Acenaphthene	Qs, Spike recovery outside of laboratory limits.
	Anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzidine	Qs, Spike recovery outside of laboratory limits.
	Benzo(a)anthracene	Qs, Spike recovery outside of laboratory limits.
	Benzo(a)pyrene	Qs, Spike recovery outside of laboratory limits.
	Benzo(b)fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Benzo(g,h,i)perylene	Qs, Spike recovery outside of laboratory limits.
	Benzo(k)fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Chrysene	Qs, Spike recovery outside of laboratory limits.
	Dibenzofuran	Qs, Spike recovery outside of laboratory limits.
	Diphenylamine	Qs, Spike recovery outside of laboratory limits.
	Fluoranthene	Qs, Spike recovery outside of laboratory limits.
	Fluorene	Qs, Spike recovery outside of laboratory limits.
	Indeno(1,2,3-cd)pyrene	Qs, Spike recovery outside of laboratory limits.
	Naphthalene	Qs, Spike recovery outside of laboratory limits.
	Nitrobenzene	Qs, Spike recovery outside of laboratory limits.
	Pentachlorophenol	Qs, Spike recovery outside of laboratory limits.
	Phenanthrene	Qs, Spike recovery outside of laboratory limits.
	Pyrene	Qs, Spike recovery outside of laboratory limits.