

LONGHORN ARMY AMMUNITION PLANT KARNACK, TEXAS

ADMINISTRATIVE RECORD

CHRONOLOGICAL INDEX

Volume 23 of 25

2007

Bate Stamp Numbers

00061007 - 00062064

Prepared for

**Department of the Army
Longhorn Army Ammunition Plant**

1976 – 2007

***LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS
ADMINISTRATIVE RECORD – CHRONOLOGICAL INDEX***

VOLUME 23 of 25

2007

- A. Title: Report - Final Site Investigation Report LHAAP-06, LHAAP-07, LHAAP-51
LHAAP-55, LHAAP-64, LHAAP-66, and LHAAP-68, Revision 1 (continued in next
volume)
Author(s): Shaw
Recipient: All Stakeholders
Date: December 11, 2007
Bate Stamp: 00061007 - 00062064



Date: December 11, 2007

Project No.: 117591.0009A810

TRANSMITTAL LETTER:

To: Mr. Cliff Murray

Address: US Army Corps of Engineers - Tulsa

CESWT-PP-M
1645 South 101st East Ave
Tulsa, Oklahoma 74128

Re: Final Site Investigation Report, LHAAP-06, LHAAP-07, LHAAP-51,
LHAAP-55, LHAAP-64, LHAAP-66, and LHAAP-68 Revision 01, December
2007

Contract No. W912QR-04-D-0027/DS02

For: Review X As Requested _____ Approval _____ Corrections _____ Submittal _____ Other _____

<i>Item No:</i>	<i>No. of Copies</i>	<i>Date:</i>	<i>Document Title</i>
1	2	December 2007	Final Site Investigation Report, LHAAP-06, LHAAP-07, LHAAP-51, LHAAP-55, LHAAP-64, LHAAP-66, and LHAAP-68 Revision 01 Longhorn Army Ammunition Plant - Karnack, Texas

Cliff – Enclosed are copies of Shaw’s final revision 01 of the above-named report for your files.

Copies have also been distributed as indicated below.

Please call with any questions or comments.

Sincerely:

David P. Cobb
Project Manager

CC: Distribution List:

Mr. J. Lambert – USACE, Tulsa (sent to C. Murray for distribution)

Mr. G. Davis, AEC

Ms. Rose Zeiler – BRAC-LHAAP

Mr. S. Tzhone – EPA Region 6

Ms. F. Duke– TCEQ, Austin

Mr. D. Vodak– TCEQ, Tyler

Mr. P. Bruckwicke– U.S. Fish and Wildlife Service



00061009

DEPARTMENT OF THE ARMY
LONGHORN ARMY AMMUNITION PLANT
POST OFFICE BOX 220
RATCLIFF, AR 72951

December 11, 2007

DAIM-BD-LO

Mr. Stephen Tzhone
US Environmental Protection Agency
Superfund Division (6SF-RA)
1445 Ross Avenue
Dallas, TX 75202-2733

Re: Final Site Investigation Report, LHAAP-06, LHAAP-07, LHAAP-51, LHAAP-55,
LHAAP-64, LHAAP-66, and LHAAP-68 Revision 01, Longhorn Army Ammunition
Plant, Karnack, Texas, December 2007

Dear Mr. Tzhone,

The above-referenced document is being transmitted to you for your files. The document has been prepared by Shaw Environmental, Inc. (Shaw) on behalf of the Army as part of Shaw's performance based contract for the facility. The document has also been posted on Shaw's LHAAP Project Portal.

The point of contact for this action is the undersigned. I ask that David Cobb, Shaw's Project Manager, be copied on any communications related to the project. I may be contacted at 479-635-0110, or by email at rose.zeiler@us.army.mil.

Sincerely,

A handwritten signature in black ink, reading "Rose M. Zeiler".

Rose M. Zeiler, Ph.D.
Longhorn AAP Site Manager

Copies furnished:
Fay Duke, TCEQ, Austin, TX
Paul Bruckwicki, Caddo Lake NWR, TX
Cliff Murray, COE – Tulsa District, OK
John Lambert, COE – Tulsa District, OK
David Cobb, Shaw – Stoughton, MA
P. Srivastav, Shaw – Houston, TX (for project files)



00061010

DEPARTMENT OF THE ARMY
LONGHORN ARMY AMMUNITION PLANT
POST OFFICE BOX 220
RATCLIFF, AR 72951

December 11, 2007

DAIM-BD-LO

Ms. Fay Duke
Texas Commission on Environmental Quality
TCEQ Environmental Cleanup Section II MC-221
12100 Park 35 Circle
Austin, TX 78753

Re: Final Site Investigation Report, LHAAP-06, LHAAP-07, LHAAP-51, LHAAP-55,
LHAAP-64, LHAAP-66, and LHAAP-68 Revision 01, Longhorn Army Ammunition
Plant, Karnack, Texas, December 2007

Dear Ms. Duke,

The above-referenced document is being transmitted to you for your files. The document has been prepared by Shaw Environmental, Inc. (Shaw) on behalf of the Army as part of Shaw's performance based contract for the facility. The document has also been posted on Shaw's LHAAP Project Portal.

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Rose M. Zeiler, Ph.D.
Longhorn AAP Site Manager

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David P. Cobb, Shaw – Stoughton, MA
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Response to Comments
Draft Final Site Investigation Report, LHAAP-06, -07, -51, -55, -64, -66, and -68
Longhorn Army Ammunition Plant, Karnack, Texas

June 2007

Reviewers: Fay Duke, TCEQ; Scott Harris, USEPA

Respondents: Shaw Environmental, Inc.

1. Respondent Concurs (C), Does Not Concur (D), Takes Exception (E), or Delete (X).
2. Commenter Agrees (A) with response, or Does not Agree (D) with response.

Comment #	Page	Section/ Paragraph	Comment	C, D, E or X ¹	Response	A or D ²
Fay Duke, TCEQ, March 23, 2007						
1		Section 3.0	It is stated in the report that a risk-base screening step was used to identify chemicals of concern (COC). Chemicals with detected concentrations equal to or below the TCEQ risk-based screening values (RBSV) were eliminated from further evaluation against the TCEQ Risk Reduction Rule (RRR) Standard 2 medium specific concentrations (MSC). Please note that screening chemicals against the TCEQ RBSV is only to be used under RRR Standard 3 for the purpose of eliminating chemicals from the baseline risk assessment; the RBSV are not to be used for compliance with RRR Standard 2. Under RRR Standard 2, the sample results must be compared to the lower of the SAI-Ind and the GWP-Ind MSC unless the practical quantitation limit (PQL) or background is higher than the applicable MSC. Please correct all text and tables as necessary to address this comment.	C	The Army has elected to screen the data under Standard 2. The use of TCEQ Risk-based Screening Values (RBSVs) will be deleted from the document. The data will be compared to the lower of the SAI-Ind or GWP-Ind MSC values unless the PQL is higher than the applicable MSC value. Tables and text will be revised accordingly. The revised tables are attached here as Tables 1 through 7 and are discussed in the response to Comment 3, below. [In the final report, the following major revisions were implemented: • Former Section 3.1.1, Identification of COPCs, was deleted. • All tables related to RBSVs were removed. • All MSC screening was contained within Tables 3-1 through 3-7. • Based on the MSC screening, certain chemicals were found to exceed applicable MSCs. Samples with those chemical exceedances were further evaluated in Section 3.3 and Tables 3-9 through 3-11. • Former Table 3-14 was changed to Table 3-8 to place it in context.^{1]}	A
2		Section 3.1.1	It is stated that the TCEQ Consistency Memorandum defines the PQL as the sample quantitation limit (SQL), which is the method quantitation limit (MQL) for the analytical method as adjusted by the laboratory to account for the individual sample matrix characteristics, or other analytical adjustment. This is incorrect. The Consistency Memorandum defines the PQL as the lowest non-zero standard in the calibration curve for the most sensitive standard method available. This definition is analogous to the MQL as defined in SW846 Method 8000B. Please correct. It is stated that the average MQL used for screening represents the average of MQL values reported by the laboratory. Please verify that the MQL value used represents the lowest non-zero standard in the	C	Terms will be defined according to the TCEQ Consistency Memorandum and the following text will be included in the revised document: “Terms used in this report to describe concentrations at or near the detection limit are defined as follows: Practical quantitation limit (PQL) is the concentration of the lowest non-zero standard in the laboratory's calibration curve adjusted for laboratory reagent matrix type and sample size. The PQL is analogous to the method quantitation limit (MQL) reported by the laboratory and described in Section 7 of SW846-Method 8000B. The PQL is used under the 30 TAC 335 rule to evaluate the capability of the analytical method used by the laboratory to quantitate the chemicals at concentrations below the regulatory level, e.g., the medium specific concentrations (MSCs).	A

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			laboratory's initial calibration curve as defined in SW846 Method 8000B.		When the PQL of the most sensitive standard available method is greater than the regulatory level, the PQL from that method is used as the regulatory limit in lieu of the MSC as allowed in 30 TAC 335. Upon TCEQ concurrence, that PQL remains the MSC for the life of the work related to the site being investigated if no extenuating circumstance arises and warrants investigating the chemical to lower levels. An example of an extenuating circumstance warranting a change to the PQL used as the MSC and relative to LHAAP would be a substantial change in circumstances that would result in increased risk to human health or the environment. Sample quantitation limit (SQL) is the PQL adjusted for sample-specific factors affecting the quantitation of the chemical measured in an environmental sample, such as dilution or moisture content, and flagged with a "U" qualifier to indicate the chemical was not detected in the in the sample. Method detection limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from the analysis of a sample in a given matrix type containing the analyte (Consistency Memo, Appendix B.1.1.2). The laboratory establishes the MDL for the chemical and verifies the value on at least a quarterly basis using a detectability check sample (DCS) to demonstrate that the laboratory can detect the chemical at that MDL. The DCS is a laboratory reagent grade matrix sample spiked with the chemical at or within two times the laboratory's MDL and carried through the entire sample preparation and analysis procedures. Sample detection limit (SDL) is the laboratory's MDL for the chemical adjusted for sample-specific factors affecting	

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					the detection of the chemical measured in an environmental sample, such as dilution or percent moisture, and flagged or qualified with a "U" or "<" to indicate the chemical was not detected in the sample. As agreed upon between the TCEQ and LHAAP during a May 17, 2007 telephone conference, the SDL is used in this document to report nondetected results for chemicals only when the PQL is being used as the regulatory limit in lieu of the MSC for the chemical. [The above paragraphs were inserted in Section 3.0. The final paragraph was revised to refer the reader to the Administrative Record for the TCEQ communication. A note was also added to relate laboratory terminology to the Consistency Memorandum.]	
			Please refer to TCEQ Comment No. 1 regarding excluding COC using the TCEQ RBSV. 2nd Paragraph, 2nd sentence, There is a word missing in the sentence "Because certain samples at some required..." Please correct.	C C	Please see response to Comment 1 This text will be corrected in the revised document. [This section has been completely rewritten, and the referenced sentence was deleted in its entirety.]	
3		Section 3.1.2	It is stated that under TCEQ RRR, future use of LHAAP as a wildlife refuge corresponds to commercial/industrial land use standards. Please clarify the basis of this interpretation. However, please note that the situation at Longhorn appears to satisfy the conditions under 335.557(3), which states that for government owned property which have nonresidential activities may be subject to non-residential soil requirement as long as access is restricted such that exposure assumptions remain valid for the duration of government control and therefore, can be subject to nonresidential requirements.	C	Shaw concurs with the following TCEQ comment from Fay Duke: <i>TCEQ Comment (Fay Duke, from email dated March 20, 2007): I went back to look at the rule and my comments regarding Scott's comment and wanted to clarify the issue regarding land use scenarios.</i> <i>First of all, the land use concept really only applies to RRR Std 3 in developing site specific baseline risk assessment. Under RRR Std 2, all facility are subject to residential soil requirements unless one of the three conditions are satisfied. The situation at Longhorn appears to satisfy the conditions under 335.557(3), which states that for government owned property which have nonresidential activities, as long as access are restricted such that</i>	A

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			It is stated in the report that because there is no intention to access groundwater at LHAAP, the SAI-Ind concentrations are the more applicable medium specific concentrations. However, to be in compliance with RRR Standard 2, the applicable MSC for a chemical in soil must be the lower of the SAI-Ind and the GWP-Ind. One cannot dismiss the GWP-Ind values. However, site specific GWP-Ind can be developed in accordance with 30 TAC 335.559(g)(2)(B). Please revise.	C	<i>exposure assumptions remain valid for the duration of government control and therefore, can be subject to nonresidential requirements. The citation for 30 TAC 335.557 is included below:</i> http://info.sos.state.tx.us/pls/pub/readtac\$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=30&pt=1&ch=335&rl=557 [Section 3.1.2 was renumbered 3.1.1 in conjunction with the response to Comment #1 (i.e., deletion of original section 3.1.1). The final paragraph of the section was revised to remove two sentences that identified SAI-Ind as the applicable MSC.] Please see response to Comment 1. Soil concentrations were compared to the applicable TCEQ risk-based MSC, defined as the lower of SAI-Ind and GWP-Ind MSC values, or the PQL if the PQL is the applicable MSC. These comparisons were made using the definitions of PQL, MQL, SQL, and MDL given in the response to Comment 2. The results of the comparisons to SAI-Ind and GWP-Ind are shown in the attached Tables 1 through 7, which will be included in the revised document. Additionally, locations showing exceedances of GWP-Ind MSC were resampled for SPLP analysis to determine the applicability of GWP-Ind. These results are also discussed below. [The text that follows replaced the original text in Section 3.2. Within the final report, the following additional changes were made to the text: • The section number was added to each table number. • The second paragraph was rearranged to better reference the Hazardous Substances Data Bank. • The seventh and eighth paragraphs were combined. • The text under the heading "SPLP Analysis" was inserted as Section 3.3. • Table 8 was titled Table 3-9. • Table 9 was titled Table 3-10.]	

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					LHAAP-06 Table 1 shows that no chemicals in samples from LHAAP-06 had detected concentrations above the applicable TCEQ risk-based MSC values. Fifteen SVOCs have SDL values that exceed the applicable MSC concentration as a result of dilution, although the chemical was not detected in the sample or in other undiluted samples. Two of the 15 SVOCs 2,4-dinitrotoluene and 2,6-dinitrotoluene, were not detected when analyzed as explosives, and are not considered further at LHAAP-06. SVOCs such as benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene are polyaromatic hydrocarbons (PAHs) that are used in asphalt pavement commonly found at LHAAP. These SVOCs were not detected in undiluted samples from the same boring locations. The remaining SVOCs are not related to LHAAP processes. 3-3'-Dichlorobenzidine is an industrial chemical used in the manufacture of azo dyes, as a curing agent for isocyanate-containing polymers, polyurethane elastomers (Hazardous Substances Data Bank (HSDB), National Library of Medicine, (http://toxnet.nlm.nih.gov). 4-Brompphenyl phenyl ether was widely used as a flame retardant in polymers, as described in the above HSDB reference. 4-Chlorophenyl phenyl ether was produced in an attempt to develop a dielectric fluid to replace PCBs in capacitors, as described in the above HSDB source. Bis-(2-chloroethoxy)methane is a solvent used in the manufacture of polysulfide rubber, and is approved in the manufacture of polysulfide polymer-polyepoxy resins that may be used as food-contact surface of articles intended for packaging dry food, as described in the above HSDB source. Bis(2-chloroethyl) ether was formerly used in the textile	

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Respondents: Shaw Environmental, Inc.

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					industry and as a solvent in manufacture of natural and synthetic resins, a scavenger of lead deposits in gasoline, a component in the manufacture of pharmaceuticals, and as a component in an oil solution sprayed on corn silks to control earworms, as described in the above HSDB source. N-nitrosodi-n-propylamine is among the class of N-nitroso compounds that are produced primarily as research chemicals and is apparently not produced in any significant quantity, as described in the above HSDB source. Because these SVOCs are identified only as a result of the sample dilution, and are not detected in undiluted samples from the same location (06SB01-01), and are not related to LHAAP manufacturing processes, they are considered to be of no further concern at LHAAP-06. Pentachlorophenol is used in as an industrial wood preservative for utility poles, cross arms, and fence posts, and other items to protect wood from fungal decay and wood-boring insects, a pre-harvest defoliant in cotton, and as a general pre-emergence, non-selective contact herbicide. Because pentachlorophenol was not detected in undiluted samples from the same boring location, its selection in the screening process resulted from dilution of the sample. It is unlikely that any pentachlorophenol is present at LHAAP-06. It is likely a result of maintenance activities to control pests and weeds and is probably not associated with munitions manufacture at LHAAP. Hexachlorobenzene has been used as a raw material for synthetic rubber, as a plasticizer for polymers, for manufacture of electrodes and dyes, and for military pyrotechnics. Although hexachlorobenzene could be related to manufacture of pyrotechnics at LHAAP, it was not detected in undiluted samples from the same boring	

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					location. Therefore, hexachlorobenzene is considered to be of no further concern at LHAAP-06. LHAAP-07 Table 2 shows that five PAH compounds and pentachlorophenol were detected above the applicable MSC in one sample [07SB03(0-1)]. Ten additional SVOCs have SDL values that exceed the applicable MSC concentration as a result of dilution by a factor of 2, although the chemicals were not detected in the sample or in other undiluted samples. Silver was measured above the screening value in sample 07SB06(0-1). Fifteen SVOCs were identified in samples 07SB01(3-4) and 07SB04(0-1) as having SDL values that exceed screening criteria as a result of dilution. None of the 15 compounds were detected in any undiluted sample. The SVOCs, except for two dinitrotoluene compounds, are not associated with LHAAP processes, as discussed above for Table 1. LHAAP-51 Table 3 shows that perchlorate was not detected above the applicable MSC in soil samples from LHAAP-51. Silver was measured above the applicable screening value in sample 51SB02(0-1). LHAAP-55 Table 4 shows that no chemicals except beryllium and lead were detected above the applicable MSC in soil samples from LHAAP-55. Beryllium and lead were measured above the screening value in samples 55SB031-2, and 55SB03-3-0. LHAAP-64 Table 5 shows that Aroclor 1254 was measured above the	

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Respondents: Shaw Environmental, Inc.

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					applicable screening value in sample 51SB02(0-1) from LHAAP-64. Fifteen SVOCs were identified in samples 64SB01-01, 64SB01-01QC, 64SB02-01, and 64SB03-01as having SDL values that exceed screening criteria as a result of dilution. None of the 15 compounds were detected in any undiluted sample. The SVOCs, except for two dinitrotoluene compounds, are not associated with LHAAP processes, as discussed above for Table 1. LHAAP-66 Table 6 shows that Aroclor 1254 was measured above the applicable screening value in sample 1004SS007 from LHAAP-66. LHAAP-67 Table 7 shows that fifteen SVOCs have SDL values that exceed the applicable MSC concentration in samples 68SB01-01, 68SB01-01-QC, and 68SB02-01 as a result of dilution, although the chemical was not detected in the sample or in other undiluted samples. The SVOCs, except for two dinitrotoluene compounds, are not associated with LHAAP processes, as discussed above for Table 1. SPLP Analysis Locations showing exceedances of applicable MSCs (GWP-Ind) were resampled and subjected to Synthetic Precipitation Leaching Procedure (SPLP) tests as provided in 30 TAC 335.559(g)(2)(B). SPLP sampling and analysis was conducted to determine the applicability of GWP-Ind MSCs at the sites. The rationale for selection of specific SPLP samples and respective analytical parameters are summarized in Table 8. These locations were resampled in May 2007 by offsetting the SPLP sample a few inches from the original location. In addition to SPLP analyses, these samples were also subjected to total analyses to demonstrate correspondence between the original sample and the SPLP sample.	

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					No samples were collected from LHAAP-06 for SPLP analysis because there were no detected concentrations above MSCs and chemicals with elevated SDLs due to dilution were undetected in undiluted samples from the same location. Samples 07SB06-01, which contained measured silver concentration above the MSC, and 07SB04-01, which had a high dilution factor for the 15 SVOCs with elevated SDL values were selected from LHAAP-07 for leachability testing. Leachate from the testing of sample 07SB04-01 was analyzed for SVOCs; leachate from 07SB06-01 was analyzed for silver. Sample 51SB02-01 from LHAAP-51, which contained measured silver concentration above the MSC was selected for leachability testing, and analysis of the leachate for silver. Sample 55SB031-2, which contained the maximum lead concentration measured above the MSC, was selected for leachability testing. Both beryllium and lead were analyzed in the leachate. Sample 64SB03-01, which contained the Aroclor 1254 concentration measured above the MSC, was selected for leachability testing and analysis of the leachate for PCBs and SVOCs. This sample also had SDLs for SVOCs above the respective MSCs. Sample 1004SS007 from LHAAP-66 was selected for leachability testing and analysis of the leachate for PCBs. Sample 68SB01-01 from LHAAP-68 was selected for leachability testing and analysis of the leachate for SVOCs. Results of SPLP leachate analysis of selected samples are shown in Table 9. All chemical concentrations in leachates from all soil samples were undetected or below the	

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					applicable MSC for groundwater (GW-Ind). Concentrations of silver that exceed MSC values in sample 07SB06-01 from LHAAP-07 (shown in Table 2) and sample 51SB02-01 from LHAAP-51 (shown in Table 3) meet the requirements of 30 TAC 335.559(g)(2)(B) (Table 9). Concentrations of beryllium and lead in leachate from sample 55SB031-2 meet the requirements of 30 TAC 335.559(g)(2)(B) also, as do the concentrations of Aroclor 1254 in leachates from sample 64SB03-01 from LHAAP-64 (shown in Table 5) and in sample 1004SS007 from LHAAP-66 (shown in Table 6). Concentrations of silver, beryllium, lead, and Aroclor 1254 measured in soil at concentrations above applicable MSC values at LHAAP-07, LHAAP-51, LHAAP-55, LHAAP-64, and LHAAP-66 are of no further concern. Reanalysis of samples from these sites (Table 10) generally confirm the initial analyses (Tables 2 through 6). Sample 07SB04(0-1), which has SDL concentrations of SVOCs above MSC values at LHAAP-07 (Table 2), was re-analyzed without dilution (Table 10). Results confirm that the soil does not contain detected SVOC concentrations. Similarly, sample 68SB01-01, which has SDL concentrations above MSC concentrations (Table 7), was reanalyzed to confirm that the soil from LHAAP-68 does not contain detected SVOCs (Table 10). Sample 64SB03-01, which has SDL concentrations of SVOCs above MSC values at LHAAP-64 (Table 5), was re-analyzed with a lower dilution factor with the result that SDL concentrations exceed applicable MSCs also (Table 10). The results of SPLP analysis and reanalysis of samples without dilution (Table 10) indicate that chemicals with measured concentrations above applicable MSC values (GWP-Ind) meet the requirements of 30 TAC 335.559(g)(2)(B). The GWP-Ind MSC is, therefore, not applicable for the sites included in this report. A	

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2. Commenter Agrees (A) with response, or Does not Agree (D) with response.

Comment #	Page	Section/ Paragraph	Comment	C, D, E or X ¹	Response	A or D ²
					comparison of chemical concentrations to SAI-Ind shows that the concentrations are below the SAI-Ind MSC. The chemicals are thus of no further concern. Chemicals that were not detected, but were identified as having SDL concentrations above applicable MSCs only because of dilution during analysis, are chemicals not related to LHAAP processes. These chemicals have MQL values above the MSC (GWP-Ind), and have MDL and MQL values that are within a factor of two. The reanalysis of the samples without dilution confirm that the samples do not contain detected concentrations of these chemicals. Based on analytical results presented above, chemicals in soil at LHAAP-06, 07, 51, 55, 64, 66, and 68 are of no further concern.	
4		Data and Analytical Package	Please include the applicable laboratory test reports with the report.	C	Laboratory test reports will be appended to the revised document.	A
Scott Harris, USEPA, March 8, 2007²						
1			Based on my review of the January 2007 Draft Final Site Investigation Report LHAAP-06, LHAAP-07, LHAAP-51, LHAAP-55, LHAAP-64, LHAAP-66, and LHAAP-68, I have no comments.	C	Noted.	A

Response to Comments
Draft Final Site Investigation Report, LHAAP-06, -07, -51, -55, -64, -66, and -68
Longhorn Army Ammunition Plant, Karnack, Texas
June 2007

Reviewers: Fay Duke, TCEQ; Stephen Tzhone, USEPA

Respondents: Shaw Environmental, Inc.

1. Respondent Concurs (C), Does Not Concur (D), Takes Exception (E), or Delete (X).
3. Commenter Agrees (A) with response, or Does not Agree (D) with response.

Additional Comments:

Comment #	Page	Section/ Paragraph	Comment	C, D, E or X ¹	Response	A or D ²
Fay Duke, TCEQ, September 21, 2007³						
1			The Texas Commission on Environmental Quality (TCEQ) has completed review of Army's responses to agency comments to the referenced report, the revised analytical tables and the results of the additional sampling for the above referenced report. We concur that the above referenced sites can be closed under the Texas Risk Reduction Rule Standard 2 (RRR Std 2) for non-residential settings. Although we concur that no active remediation is necessary at these sites, please note that under RRR Standard 2, site closure/remediation, in order to comply with the non-residential soil requirements, a deed certification must be filed in the county record. The deed certification must indicate that future land use is considered suitable for non-residential use. An example format of the deed certification is provided in 30 Texas Administrative Code §335.569.	C	Noted. Notification will be filed with the county.	A
Stephen L. Tzhone, USEPA, September 27, 2007²						
1			The EPA has no additional comments on the TCEQ conditional approval, RTCs, or the LHAAP-06, 07, 51, 55, 64, 66, 68 DF Report.	C	Noted.	A

¹Text in brackets provides additional clarification regarding how the report was revised in order to implement the responses.

²A copy of the USEPA email is attached.

³A copy of the TCEQ letter is attached.

Table 1
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-06

LOCATION_CODE		TCEQ		Method		Background Concentrations in Soil		Applicable TCEQ Risk-Based	06SB01 06SB01-01 29-Aug-06			06SB01 06SB01-01-QC 29-Aug-06			06SB01 06SB01-02 29-Aug-06					
SAMPLE_NO		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	(95% UPL, mg/kg) ^b			REG 0 - 0 Ft	DIL	Qual	ValQual	REG 0 - 0 Ft	DIL	Qual	ValQual	REG 0 - 0 Ft	DIL	Qual	ValQual
SAMPLE_DATE		Concentration (MSC)				Surface	Subsurface													
FK_DEPTH	SAMPLE_PURPOSE																			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d				Result ^d				Result ^d			
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.1	0.25	NVA	NVA	3.1E+02	0.249	1	U	U	0.243	1	U	U	0.245	1	U	U
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.1	0.25	NVA	NVA	1.0E+00	0.249	1	U	U	0.243	1	U	U	0.245	1	U	U
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.1	0.25	NVA	NVA	5.1E+00	0.249	1	U	U	0.243	1	U	U	0.245	1	U	U
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.1	0.25	NVA	NVA	2.5E-01	0.110	1	U	U	0.110	1	U	U	0.108	1	U	U
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.1	0.26	NVA	NVA	2.6E-01	0.110	1	U	U	0.110	1	U	U	0.108	1	U	U
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.1	0.26	NVA	NVA	1.7E+00	0.259	1	U	U	0.252	1	U	U	0.255	1	U	U
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.1	0.26	NVA	NVA	1.7E+00	0.259	1	U	U	0.252	1	U	U	0.255	1	U	U
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.1	2.20	NVA	NVA	1.0E+02	2.190	1	U	U	2.140	1	U	U	2.160	1	U	U
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.1	0.25	NVA	NVA	1.0E+02	0.249	1	U	U	0.243	1	U	U	0.245	1	U	U
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.1	0.26	NVA	NVA	5.1E+00	0.259	1	U	U	0.252	1	U	U	0.255	1	U	U
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.1	0.25	NVA	NVA	1.0E+02	0.249	1	U	U	0.243	1	U	U	0.245	1	U	U
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.1	0.25	NVA	NVA	1.0E+02	0.249	1	U	UJ	0.243	1	U	UJ	0.245	1	U	UJ
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.1	1.00	NVA	NVA	2.6E+00	0.995	1	U	U	0.971	1	U	U	0.980	1	U	U
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.2	0.65	NVA	NVA	1.0E+02	0.647	1	U	U	0.631	1	U	U	0.637	1	U	U
RANGE_ORGANICS	Carbon Range C12-C28 ^e	1.1E+04	4.1E+02	25	50	NVA	NVA	1.0E+03	49.9	1	J	J	33.4	1	J	J	48.6	1	J	J
RANGE_ORGANICS	CARBON RANGE C28-C35 ^e	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	91.9	1		B	30.7	1	J	B	91.1	1		B
RANGE_ORGANICS	Carbon Range C6-C12 ^f	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	54.3	1	U	U	54.4	1	U	U	53.3	1	U	U
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.165	NVA	NVA	7.0E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.165	NVA	NVA	6.0E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.165	NVA	NVA	7.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.165	NVA	NVA	7.5E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.165	NVA	NVA	1.0E+03	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.165	NVA	NVA	2.6E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.165	NVA	NVA	3.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.165	NVA	NVA	2.0E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.825	NVA	NVA	2.0E+01	0.904	1	U	UJ	0.904	1	U	UJ	17.700	20	U	U
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.165	NVA	NVA	8.2E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.165	NVA	NVA	5.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.165	NVA	NVA	4.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.165	NVA	NVA	5.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.825	NVA	NVA	3.1E+00	0.904	1	U	U	0.904	1	U	U	17.700	20	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.165	NVA	NVA	3.1E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.330	NVA	NVA	3.3E-01	0.181	1	U	U	0.182	1	U	U	3.575	20	U	U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.825	NVA	NVA	3.1E+00	0.904	1	U	U	0.904	1	U	U	17.700	20	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.825	NVA	NVA	2.0E+01	0.904	1	U	U	0.904	1	U	U	17.700	20	U	U
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.165	NVA	NVA	5.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.165	NVA	NVA	4.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.165	NVA	NVA	5.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.825	NVA	NVA	7.5E+00	0.904	1	U	U	0.904	1	U	U	17.700	20	U	U
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.825	NVA	NVA	2.0E+01	0.904	5	U	U	0.904	5	U	U	17.700	20	U	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.165	NVA	NVA	3.0E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.165	NVA	NVA	6.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.165	NVA	NVA	3.1E+03	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.165	1.53E-02	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.165	1.54E-02	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.165	1.53E-02	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.165	1.23E-02	NVA	3.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.165	1.30E-02	NVA	3.9E-01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.3300	0.825	NVA	NVA	4.1E+04	0.904	1	U	UJ	0.904	1	U	UJ	17.700	20	U	U
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.0825	0.165	NVA	NVA	3.1E+03	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.5E+02	4.1E+00	0.0825	0.165	NVA	NVA	4.1E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.165	NVA	NVA	6.0E-01	0.181	1	U	U	0.181	1	U					

Table 1
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-06

LOCATION_CODE	TCEQ						Background Concentrations in Soil		Applicable TCEQ Risk-Based	06SB01 06SB01-01 29-Aug-06				06SB01 06SB01-01-QC 29-Aug-06				06SB01 06SB01-02 29-Aug-06			
SAMPLE_NO	Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	(95% UPL, mg/kg) ^b		REG			FD				REG							
SAMPLE_DATE					Surface	Subsurface	0 - 0 Ft				0 - 0 Ft				0 - 0 Ft						
FK_DEPTH																					
SAMPLE_PURPOSE	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft														
Test Group	Parameter (Units = mg/kg)							MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.165	NVA	NVA	8.2E+03	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.165	NVA	NVA	8.2E+03	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.165	NVA	NVA	1.0E+03	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.165	NVA	NVA	2.0E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.165	2.29E-02	NVA	4.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.165	NVA	NVA	4.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U	
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.165	NVA	NVA	2.0E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.165	NVA	NVA	5.0E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.165	NVA	NVA	1.0E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.165	1.43E-02	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U	
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.165	NVA	NVA	3.0E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.165	NVA	NVA	2.0E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.165	NVA	NVA	5.1E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U	
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.165	NVA	NVA	5.8E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.825	NVA	NVA	8.3E-01	0.363	1	U	U	0.364	1	U	U	3.575	10	U	U	
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.165	NVA	NVA	3.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.165	NVA	NVA	3.1E+03	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.165	1.94E-02	NVA	3.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U	
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	91.0	1			90.6	1			92.3	1			
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.005	NVA	NVA	1.1E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA	2.0E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA	1.4E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA	7.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.005	NVA	NVA	2.9E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.005	NVA	NVA	3.1E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.005	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U	
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.005	NVA	NVA	1.4E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.005	NVA	NVA	2.0E-02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U	
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA	6.0E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA	4.7E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.005	NVA	NVA	1.2E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA	7.1E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	2.9E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA	7.5E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.005	NVA	NVA	4.2E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	NVA	NVA	6.1E+03	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U	
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.010	NVA	NVA	2.6E-01	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U	
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.0005	0.005	NVA	NVA	2.0E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	NVA	NVA	8.7E+01	0.010	1	U	U	0.010	1	U	U	0.003	1	J	B	
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.0005	0.005	NVA	NVA	4.8E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.010	NVA	NVA	2.5E+03	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U	
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.0005	0.005	NVA	NVA	1.6E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.0005	0.005	NVA	NVA	3.4E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.005	NVA	NVA	4.6E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.005	NVA	NVA	3.6E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.010	NVA	NVA	4.9E+00	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U	
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.010	NVA	NVA	4.1E+03	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U	
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.005	NVA	NVA	5.2E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.010	NVA	NVA	3.8E+00	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U	
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.005	NVA	NVA	5.3E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	

Table 1
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-06

LOCATION_CODE		TCEQ				Background Concentrations in Soil		Applicable TCEQ Risk-Based MSC ^c	06SB01 06SB01-01 29-Aug-06				06SB01 06SB01-01-QC 29-Aug-06				06SB01 06SB01-02 29-Aug-06			
SAMPLE_NO	SAMPLE_DATE	Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	(95% UPL, mg/kg) ^b Surface Subsurface			REG 0 - 0 Ft	FD 0 - 0 Ft			REG 0 - 0 Ft							
FK_DEPTH	SAMPLE_PURPOSE																			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.005	NVA	NVA	3.4E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.0005	0.005	NVA	NVA	3.8E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.010	NVA	NVA	2.0E+03	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.005	NVA	NVA	7.0E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0005	0.005	NVA	NVA	2.0E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	m,p-Xylenes ^g	3.3E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.010	NVA	NVA	8.2E+02	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0005	0.010	NVA	NVA	2.0E+02	0.010	1	U	U	0.010	1	U	U	0.001	1	J	B
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.0005	0.005	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.0005	0.005	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.0005	0.005	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.0005	0.005	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.005	NVA	NVA	1.0E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	2.9E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.001	1	J	J
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.010	NVA	NVA	3.1E+03	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.0010	0.010	NVA	NVA	8.0E+02	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.010	NVA	NVA	6.6E-02	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U

Notes:

Blank cells indicate sample was not analyzed for that chemical

Concentration exceeds Applicable MSC.a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TACS335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

e Value shown is the lowest of MSCs for >12-16C, >16-21 C, and >21-35 C (aromatic) boiling fraction of total petroleum hydrocarbons.

f Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

g MSC value shown is for m-xylene, the more conservative of m- and p-xylene isomers.

B: Chemical was detected in analytical blank.

FD: Field duplicate sample

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

NVA: No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 1
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-06

LOCATION_CODE									06SB02				06SB02				06SB03				06SB03			
SAMPLE_NO									06SB02-01				06SB02-02				06SB03-01				06SB03-02			
SAMPLE_DATE									29-Aug-06				29-Aug-06				29-Aug-06				29-Aug-06			
FK_DEPTH	SAMPLE_PURPOSE	TCEQ		Method Detection	Method Quantitation	Background Concentrations in Soil		Applicable	TCEQ				REG				REG				REG			
		Medium-Specific Concentration (MSC)				(95% UPL, mg/kg) ^b			Risk-Based				0 - 0 Ft				0 - 0 Ft				0 - 0 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.1	0.25	NVA	NVA	3.1E+02	0.242	1	U	U	0.244	1	U	U	0.249	1	U	U	0.239	1	U	U
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.1	0.25	NVA	NVA	1.0E+00	0.242	1	U	U	0.244	1	U	U	0.249	1	U	U	0.239	1	U	U
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.1	0.25	NVA	NVA	5.1E+00	0.242	1	U	U	0.244	1	U	U	0.249	1	U	U	0.239	1	U	U
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.1	0.25	NVA	NVA	2.5E-01	0.117	1	U	U	0.116	1	U	U	0.114	1	U	U	0.111	1	U	U
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.1	0.26	NVA	NVA	2.6E-01	0.117	1	U	U	0.116	1	U	U	0.114	1	U	U	0.111	1	U	U
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.1	0.26	NVA	NVA	1.7E+00	0.251	1	U	U	0.254	1	U	U	0.259	1	U	U	0.249	1	U	U
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.1	0.26	NVA	NVA	1.7E+00	0.251	1	U	U	0.254	1	U	U	0.259	1	U	U	0.249	1	U	U
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.1	2.20	NVA	NVA	1.0E+02	2.130	1	U	U	2.150	1	U	U	2.190	1	U	U	2.110	1	U	U
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.1	0.25	NVA	NVA	1.0E+02	0.242	1	U	U	0.244	1	U	U	0.249	1	U	U	0.239	1	U	U
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.1	0.26	NVA	NVA	5.1E+00	0.251	1	U	U	0.254	1	U	U	0.259	1	U	U	0.249	1	U	U
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.1	0.25	NVA	NVA	1.0E+02	0.242	1	U	U	0.244	1	U	U	0.249	1	U	U	0.239	1	U	U
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.1	0.25	NVA	NVA	1.0E+02	0.242	1	U	UJ	0.244	1	U	UJ	0.249	1	U	UJ	0.239	1	U	UJ
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.1	1.00	NVA	NVA	2.6E+00	0.966	1	U	U	0.976	1	U	U	0.995	1	U	U	0.957	1	U	U
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.2	0.65	NVA	NVA	1.0E+02	0.628	1	U	U	0.634	1	U	U	0.647	1	U	U	0.622	1	U	U
RANGE_ORGANICS	Carbon Range C12-C28 ^e	1.1E+04	4.1E+02	25	50	NVA	NVA	1.0E+03	59.6	1			48.8	1	J	J	38.7	1	J	J	33.3	1	J	J
RANGE_ORGANICS	CARBON RANGE C28-C35 ^e	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	64.8	1		B	53.8	1	J	B	35.2	1	J	B	35.6	1	J	B
RANGE_ORGANICS	Carbon Range C6-C12 ^f	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	57.4	1	U	U	56.9	1	U	U	55.6	1	U	U	54.9	1	U	U
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.165	NVA	NVA	7.0E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.165	NVA	NVA	6.0E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.165	NVA	NVA	7.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.165	NVA	NVA	7.5E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.165	NVA	NVA	1.0E+03	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.165	NVA	NVA	2.6E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.165	NVA	NVA	3.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.165	NVA	NVA	2.0E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.825	NVA	NVA	2.0E+01	0.956	1	U	UJ	0.955	1	U	UJ	4.660	5	U	UJ	0.908	1	U	UJ
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	0.092	1	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	0.092	1	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.165	NVA	NVA	8.2E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.165	NVA	NVA	5.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.165	NVA	NVA	4.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.165	NVA	NVA	5.1E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.825	NVA	NVA	3.1E+00	0.956	1	U	U	0.955	1	U	U	4.660	5	U	U	0.908	1	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.165	NVA	NVA	3.1E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.330	NVA	NVA	3.3E-01	0.193	1	U	U	0.192	1	U	U	0.941	5	U	U	0.183	1	U	U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.825	NVA	NVA	3.1E+00	0.956	1	U	U	0.955	1	U	U	4.660	5	U	U	0.908	1	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.825	NVA	NVA	2.0E+01	0.956	1	U	U	0.955	1	U	U	4.660	5	U	U	0.908	1	U	U
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	0.092	1	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.165	NVA	NVA	5.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.165	NVA	NVA	4.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	0.092	1	U	U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.165	NVA	NVA	5.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.825	NVA	NVA	7.5E+00	0.956	1	U	U	0.955	1	U	U	4.660	5	U	U	0.908	1	U	U
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.825	NVA	NVA	2.0E+01	0.956	1	U	U	0.955	5	U	U	4.660	5	U	U	0.908	1	U	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.165	NVA	NVA	3.0E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.165	NVA	NVA	6.1E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.165	NVA	NVA	3.1E+03	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.165	1.53E-02	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	0.092	1	U	U
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.165	1.54E-02	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U								

Table 1
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-06

LOCATION_CODE	Background Concentrations in Soil							Applicable	06SB02				06SB02				06SB03				06SB03			
SAMPLE_NO									06SB02-01				06SB02-02				06SB03-01				06SB03-02			
SAMPLE_DATE									29-Aug-06				29-Aug-06				29-Aug-06				29-Aug-06			
FK_DEPTH									REG				REG				REG				REG			
SAMPLE_PURPOSE								0 - 0 Ft				0 - 0 Ft				0 - 0 Ft				0 - 0 Ft				
Test Group	Parameter (Units = mg/kg)	TCEQ		Method Detection	Method Quantitation	(95% UPL, mg/kg) ^b		TCEQ																
		SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	Surface	Subsurface	Risk-Based	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.165	NVA	NVA	8.2E+03	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.165	NVA	NVA	8.2E+03	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.165	NVA	NVA	1.0E+03	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.165	NVA	NVA	2.0E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.165	2.29E-02	NVA	4.1E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.165	NVA	NVA	4.1E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.165	NVA	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	0.092	1	U	U
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.165	NVA	NVA	2.0E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.165	NVA	NVA	5.0E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.165	NVA	NVA	1.0E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.165	1.43E-02	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	0.092	1	U	U
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.165	NVA	NVA	3.0E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.165	NVA	NVA	2.0E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.165	NVA	NVA	5.1E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.165	NVA	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	0.092	1	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.165	NVA	NVA	5.8E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.825	NVA	NVA	8.3E-01	0.385	1	U	U	0.384	1	U	U	1.881	5	U	U	0.366	1	U	U
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.165	NVA	NVA	3.1E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.165	NVA	NVA	3.1E+03	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.165	1.94E-02	NVA	3.1E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	85.7	1	U	U	85.9	1	U	U	93.7	1	U	U	90.1	1	U	U
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.005	NVA	NVA	1.1E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA	2.0E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA	1.4E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA	7.0E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.005	NVA	NVA	2.9E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.005	NVA	NVA	3.1E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.005	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.005	NVA	NVA	1.4E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.005	NVA	NVA	2.0E-02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA	6.0E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA	4.7E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.005	NVA	NVA	1.2E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA	7.1E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	2.9E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA	7.5E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.005	NVA	NVA	4.2E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	NVA	NVA	6.1E+03	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.010	NVA	NVA	2.6E-01	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.0005	0.005	NVA	NVA	2.0E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	NVA	NVA	8.7E+01	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.0005	0.005	NVA	NVA	4.8E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.010	NVA	NVA	2.5E+03	0.010	1	U	U	0.011	1	U	U	0.014	1	U	U	0.012	1	U	U
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.0005	0.005	NVA	NVA	1.6E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.0005	0.005	NVA	NVA	3.4E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.005	NVA	NVA	4.6E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.005	NVA	NVA	3.6E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.010	NVA	NVA	4.9E+00	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U</	

Table 1
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-06

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	06SB02 06SB02-01 29-Aug-06				06SB02 06SB02-02 29-Aug-06				06SB03 06SB03-01 29-Aug-06				06SB03 06SB03-02 29-Aug-06			
SAMPLE_NO	TCEQ								REG 0 - 0 Ft				REG 0 - 0 Ft				REG 0 - 0 Ft							
SAMPLE_DATE	Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	(95% UPL, mg/kg) ^b																			
FK_DEPTH					Surface	Subsurface																		
SAMPLE_PURPOSE																								
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	Result ^d				Result ^d				Result ^d				Result ^d				
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.010	NVA	NVA	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U	
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	m,p-Xylenes ^g	3.3E+03	1.0E+03	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.010	NVA	NVA	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U	
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0005	0.010	NVA	NVA	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U	
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.001	1	J	J	0.005	1	U	U	0.006	1	U	U	
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U	
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.010	NVA	NVA	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U	
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.0010	0.010	NVA	NVA	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U	
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.010	NVA	NVA	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U	

Notes:

Blank cells indicate sample was not analyzed for that chemical

Concentration exceeds Applicable MSC.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at

<http://www.tceq.state.tx.us/remediation/rrr.html>.

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

e Value shown is the lowest of MSCs for >12-16C, >16-21 C, and >21-35 C (aromatic) boiling fraction of total petroleum hydrocarbons,

f Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons,

given in TCEQ March 2006 guidance.

g MSC value shown is for m-xylene, the more conservative of m- and p-xylene isomers.

B: Chemical was detected in analytical blank.

FD: Field duplicate sample

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

NVA: No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION__CODE								Applicable TCEQ Risk-Based MSC ^c	07SB01				07SB01				07SB02				075	
SAMPLE_NO	TCEQ						Background		07SB01(0-1)				07SB01(3-4)				07SB02(0-1)					
SAMPLE_DATE							Concentrations in Soil		29-Jun-06				29-Jun-06				29-Jun-06					
FK_DEPTH							(95% UPL, mg/kg) ^b		REG				REG				REG					
SAMPLE_PURPOSE									0 - 1 Ft				3 - 4 Ft				0 - 1 Ft					
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Method Detection Limit (MDL)	Method Quantitation Limit (MQL)	Surface	Subsurface		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	
METALS	Silver	2.9E+03	5.1E+01	0.25	2	3.1E-01	3.70 E-01	5.1E+01	3.290	2	U	U	1.700	1	U	U	1.660	1	U	U	1.660	
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NVA	NVA	7.2E+00	0.106	1			0.005	1	J	J	0.143	1			0.120	
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	31.2	1	J	B	34.6	1	J	B	40.5	1	J	B	30.2	
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	64.4	1		B	57.1	1		B	44.8	1	J	B	35.2	
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	55.0	1	U	U	56.8	1	U	U	56.0	1	U	U	56.0	
RANGE_ORGANICS	Carbon Range C6-C35 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02														
SEMIVOLATILES	1,1'-Biphenyl	2.7E+02	5.1E+02	0.0825	0.1650	NVA	NVA	2.7E+02	0.183	1	U	U	0.379	2	U	U	0.185	1	U	U	0.185	
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.898	1	U	U	1.850	2	U	U	0.901	1	U	U	0.897	
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U	0.093	
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U	0.093	
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.898	1	U	U	1.850	2	U	U	0.901	1	U	U	0.897	
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01	0.183	1	U	UJL	0.379	2	U	UJL	0.185	1	U	UJL	0.185	
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.898	1	U	U	1.850	2	U	U	0.901	1	U	U	0.897	
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.898	1	U	U	1.850	2	U	U	0.901	1	U	U	0.897	
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U	0.093	
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U	0.093	
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00	0.898	1	U	U	1.850	2	U	U	0.901	1	U	U	0.897	
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.898	1	U	U	1.850	2	U	U	0.901	1	U	U	0.897	
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	Acetophenone	4.3E+03	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	Atrazine	1.3E+02	3.0E-01	0.0825	0.1650	NVA	NVA	3.0E-01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	Benzaldehyde	4.5E+02	1.0E+03	0.0825	0.1650	NVA	NVA	4.5E+02	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01	0.142	1	J	J	0.189	2	U	U	0.093	1	U	U	0.093	
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54 E-02	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U	0.093	
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01	0.153	1	J	J	0.189	2	U	U	0.093	1	U	U	0.093	
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23 E-02	NVA	3.1E+02	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30 E-02	NVA	3.9E-01	0.147	1	J	J	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U	0.093	
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U	0.093	
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179	

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	07SB01			07SB01			07SB02			07S						
SAMPLE_NO									07SB01(0-1)			07SB01(3-4)			07SB02(0-1)									
SAMPLE_DATE									29-Jun-06			29-Jun-06			29-Jun-06									
FK_DEPTH									REG			REG			REG									
SAMPLE_PURPOSE									0 - 1 Ft			3 - 4 Ft			0 - 1 Ft									
		TCEQ		Method		Method		Background																
		Medium-Specific		Detection		Quantitation		Concentrations in Soil																
		Concentration (MSC)						(95% UPL, mg/kg) ^b																
								Surface		Subsurface														
								0 - 0.5 Ft		1.5 - 2.5 Ft														
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)							Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d
SEMIVOLATILES	Caprolactam	5.1E+05	5.1E+03	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Carbazole	1.4E+02	1.4E+00	0.0825	0.1650	NVA	NVA					0.370	2	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51 E-02	NVA					0.175	1	J	J	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA					0.092	1	U	U	0.189	2	U	U	0.093	1	U	U	0.093
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA					0.295	1			0.370	2	U	U	0.170	1	J	J	0.152
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29 E-02	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA					0.092	1	U	U	0.189	2	U	U	0.093	1	U	U	0.093
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43 E-02	NVA					0.092	1	U	U	0.189	2	U	U	0.093	1	U	U	0.093
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	3.12 E-03	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA					0.092	1	U	U	0.189	2	U	U	0.093	1	U	U	0.093
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.0825	0.1650	NVA	NVA					0.092	1	U	U	0.947	10	U	U	0.093	1	U	U	0.093
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.3300	0.8250	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA					0.180	1	U	U	0.370	2	U	U	0.180	1	U	U	0.179
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA					0.146	1	J	J	0.370	2	U	U	0.180	1	U	U	0.179
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA					90.1	1			87.1	1			89.0	1			89.0
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA					0.001	1	J	JH	0.471	1	E	J	0.020	1			0.032
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA					0.006	1	U	U	0.009	1	U	U	0.006	1	U	U	0.006
VOLATILES	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	6.0E+04	3.1E+05	0.0005	0.010	NVA	NVA					0.012	1	U	U	0.019	1	U	U	0.013	1	U	U	0.012
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA					0.006	1	U	U	0.009	1	U	U	0.006	1	U	U	0.006
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.001	0.005	NVA	NVA					0.003	1	J	JH	0.279	1			0.009	1			0.014
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA					0.006	1	U	U	0.297	1			0.002	1	J	J	0.005
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA					0.006	1	U	U	0.009	1	U	U	0.006	1	U	U	0.006
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.002	0.005	0.005	NVA					0.006	1	U	U	0.009	1	U	U	0.006	1	U	U	0.006
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA					0.001	1	U	U	0.001	1	U	U	0.001	1	U	U	0.001
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA					0.006	1	U	U	0.009	1	U	U	0.006	1	U	U	0.006
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA					0.006	1	U	U	0.004	1	J	J	0.006	1	U	U	0.006
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA					0.006	1	U	U	0.009	1	U	U	0.006	1	U	U	0.006
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA					0.006	1	U	U	0.009	1	U	U	0.006	1	U	U	0.006
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA					0.006	1	U	U	0.009	1	U	U	0.006	1	U	U	0.006
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	4.46 E-02	NVA					0.012	1	U	U	0.019	1	U	U	0.013	1	U	U	0.012
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	2.48 E-02	NVA					0.012	1	U	U	0.019	1	U	U	0.013	1	U	U	0.012

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION_CODE									Applicable TCEQ Risk-Based MSC ^c	07SB01				07SB01				07SB02				075
SAMPLE_NO							07SB01(0-1)			07SB01(3-4)				07SB02(0-1)								
SAMPLE_DATE							29-Jun-06			29-Jun-06				29-Jun-06								
FK_DEPTH							REG			REG				REG								
SAMPLE_PURPOSE							0 - 1 Ft			3 - 4 Ft				0 - 1 Ft								
		TCEQ		Method	Method	Background																
		Concentration (MSC)		Detection	Quantitation	Concentrations in Soil																
						(95% UPL, mg/kg) ^b																
						Surface		Subsurface														
						0 - 0.5 Ft		1.5 - 2.5 Ft														
Test Group		Parameter (Units = mg/kg)		SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)			MSC ^c		Result ^d		DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.010	8.88 E-01	NVA			2.5E+03	0.012	1	U	UJ			0.019	1	U	UJ	0.013	
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.005	NVA	NVA			5.0E-01	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.005	NVA	NVA			4.6E-01	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.005	NVA	NVA			3.6E+00	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.010	NVA	NVA			4.9E+00	0.012	1	U	UJ			0.019	1	U	UJ	0.013	
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.005	NVA	NVA			1.0E+03	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.005	NVA	NVA			5.0E-01	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.005	NVA	NVA			1.0E+01	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.010	NVA	NVA			4.1E+03	0.012	1	U	U			0.019	1	U	U	0.013	
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.005	NVA	NVA			5.2E-01	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.010	NVA	NVA			3.8E+00	0.012	1	U	U			0.019	1	U	U	0.013	
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.005	NVA	NVA			7.0E+00	0.006	1	U	U			0.084	1			0.005	
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.005	NVA	NVA			5.3E-01	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Cyclohexane	1.7E+04	5.1E+04	0.0005	0.010	NVA	NVA			1.7E+04	0.012	1	U	U			0.019	1	U	U	0.013	
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.005	NVA	NVA			3.4E+00	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.010	NVA	NVA			2.0E+03	0.012	1	U	U			0.019	1	U	U	0.013	
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.005	NVA	NVA			7.0E+01	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.005	NVA	NVA			1.0E+03	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Methyl Acetate	3.0E+03	1.0E+04	0.0010	0.010	NVA	NVA			3.0E+03	0.012	1	U	U			0.019	1	U	U	0.013	
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.010	NVA	NVA			8.2E+02	0.012	1	U	U			0.019	1	U	U	0.013	
VOLATILES	Methyl tert-butyl ether	7.1E+02	1.0E+02	0.0010	0.005	NVA	NVA			1.0E+02	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Methylcyclohexane	1.0E+04	5.1E+04	0.0010	0.010	NVA	NVA			1.0E+04	0.012	1	U	U			0.019	1	U	U	0.013	
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.005	NVA	NVA			5.0E-01	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.005	6.90 E-03	NVA			1.0E+01	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.005	NVA	NVA			5.0E-01	0.006	1	U	U			0.029	1			0.006	
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.005	NVA	NVA			1.0E+02	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.005	NVA	NVA			1.0E+01	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.005	NVA	NVA			2.9E+00	0.006	1	U	U			0.009	1	U	U	0.006	
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.005	NVA	NVA			5.0E-01	0.006	1	U	U			0.082	1			0.011	
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.010	NVA	NVA			3.1E+03	0.012	1	U	U			0.019	1	U	U	0.013	
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.010	NVA	NVA			6.6E-02	0.012	1	U	U			0.019	1	U	U	0.013	
VOLATILES	Xylenes, Total	8.3E+02	1.0E+03	0.0005	0.005	8.90 E-03	NVA			8.3E+02	0.006	1	U	U			0.009	1	U	U	0.006	

Notes:

Blank cells indicate sample was not analyzed for that chemical

Concentration exceeds Applicable MSC.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

e Shading indicates the SDL values that exceed the Applicable MSC.

f Sample was chosen for SPLP analysis by SW-846 method 1312.

g Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

h Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

B Chemical was detected in quality control analytical blank sample.

FD: Field duplicate sample

H: Estimate is high.

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

L: Estimate is low.

NE: Value not established

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION__CODE									07SB02	07SB02			07SB03						
SAMPLE_NO								Applicable TCEQ Risk-Based MSC ^c	07SB02(0-1)DUP 29-Jun-06			07SB02(3-4) 29-Jun-06			07SB03(0-1) ^e 28-Jun-06				
SAMPLE_DATE									FD		REG		REG						
FK_DEPTH									0 - 1 Ft		3 - 4 Ft		0 - 1 Ft						
SAMPLE_PURPOSE																			
Test Group	Parameter (Units = mg/kg)	TCEQ Medium-Specific Concentration (MSC)		Method Detection Limit (MDL)	Method Quantitation Limit (MQL)	Background Concentrations in Soil (95% UPL, mg/kg) ^b													
		SAI-Ind ^a	GWP-Ind ^a			0 - 0.5 Ft	1.5 - 2.5 Ft												
METALS	Silver	2.9E+03	5.1E+01	0.25	2	3.1E-01	3.70 E-01	5.1E+01	1	U	U	1.950	1	U	U	1.770	1	U	U
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NVA	NVA	7.2E+00	1			0.010	1	U	U	0.085	1		
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	1	J	B	66.2	1	J	B	34.0	1	J	B
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	1	J	B	56.1	1	J	B	51.1	1	J	B
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	1	U	U	66.5	1	U	U	63.3	1	U	U
RANGE_ORGANICS	Carbon Range C6-C35 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02								73.4	1		
SEMIVOLATILES	1,1'-Biphenyl	2.7E+02	5.1E+02	0.0825	0.1650	NVA	NVA	2.7E+02	1	U	U	0.220	1	U	U	0.419	2	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	1	U	U	1.070	1	U	U	2.070	2	U	U
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	1	U	U	0.110	1	U	U	0.209	2	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	1	U	U	0.110	1	U	U	0.209	2	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	1	U	U	1.070	1	U	U	2.070	2	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01	1	U	U	0.220	1	U	U	0.419	2	U	U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	1	U	U	1.070	1	U	U	2.070	2	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	1	U	U	1.070	1	U	U	2.070	2	U	U
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	1	U	U	0.110	1	U	U	0.209	2	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	1	U	U	0.110	1	U	U	0.209	2	U	U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00	1	U	U	1.070	1	U	U	2.070	2	U	U
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	1	U	U	1.070	1	U	U	2.070	2	U	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Acetophenone	4.3E+03	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Atrazine	1.3E+02	3.0E-01	0.0825	0.1650	NVA	NVA	3.0E-01	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Benzaldehyde	4.5E+02	1.0E+03	0.0825	0.1650	NVA	NVA	4.5E+02	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01	1	U	U	0.110	1	U	U	0.454	2		
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54 E-02	NVA	1.7E-01	1	U	U	0.110	1	U	U	1.140	2		
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01	1	U	U	0.110	1	U	U	1.710	2		
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23 E-02	NVA	3.1E+02	1	U	U	0.215	1	U	U	0.556	2		
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30 E-02	NVA	3.9E-01	1	U	U	0.215	1	U	U	1.560	2		
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	1	U	U	0.110	1	U	U	0.209	2	U	U
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	1	U	U	0.110	1	U	U	0.209	2	U	U
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00	1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01	1	U	U	0.183	1	J	J	0.415	2	U	U
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03	1	U	U	0.215	1	U	U	0.415	2	U	U

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION_CODE									07SB02	07SB02			07SB03									
SAMPLE_NO								Applicable TCEQ Risk-Based MSC ^c	B02(0-1)DUP			07SB02(3-4)			07SB03(0-1) ^e							
SAMPLE_DATE									29-Jun-06			29-Jun-06			28-Jun-06							
FK_DEPTH									FD			REG			REG							
SAMPLE_PURPOSE									0 - 1 Ft			3 - 4 Ft			0 - 1 Ft							
		TCEQ		Method		Method			Concentrations in Soil													
		Medium-Specific		Detection		Quantitation		(95% UPL, mg/kg) ^b														
		Concentration (MSC)						Surface		Subsurface												
								0 - 0.5 Ft		1.5 - 2.5 Ft												
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MDL)							DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	Caprolactam	5.1E+05	5.1E+03	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Carbazole	1.4E+02	1.4E+00	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51 E-02	NVA					1	U	U	0.215	1	U	U	0.917	2	U	U
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA					1	U	U	0.110	1	U	U	0.209	2	U	U
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA					1	J	J	0.199	1	J	J	0.415	2	U	U
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29 E-02	NVA					1	U	U	0.215	1	U	U	0.665	2	U	U
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA					1	U	U	0.110	1	U	U	0.209	2	U	U
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43 E-02	NVA					1	U	U	0.110	1	U	U	0.576	2	U	U
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	3.12 E-03	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA					1	U	U	0.110	1	U	U	0.209	2	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.0825	0.1650	NVA	NVA					1	U	U	0.110	1	U	U	1.380	2	J	J
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.3300	0.8250	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA					1	U	U	0.215	1	U	U	0.415	2	U	U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA					1	U	U	0.215	1	U	U	0.713	2	U	U
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA					1			74.9	1			78.8	1		
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA					1			1.360	1	J	J	0.009	1	U	U
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA					1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	6.0E+04	3.1E+05	0.0005	0.010	NVA	NVA					1	U	U	0.019	1	U	U	0.018	1	U	U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA					1	U	U	0.002	1	J	J	0.009	1	U	U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.001	0.005	NVA	NVA					1			0.617	1	J	J	0.009	1	U	U
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA					1	J	J	0.622	1	J	J	0.009	1	U	U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA					1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.002	0.005	0.005	0.005					1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA					1	U	U	0.001	1	U	U	0.001	1	U	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA					1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA					1	U	U	0.004	1	J	J	0.009	1	U	U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA					1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA					1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA					1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	4.46 E-02	NVA					1	U	U	0.019	1	U	U	0.018	1	U	U
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	2.48 E-02	NVA					1	U	U	0.019	1	U	U	0.018	1	U	U

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	07SB02			07SB02			07SB03				
SAMPLE_NO						Background			07SB02(0-1)DUP			07SB02(3-4)			07SB03(0-1) ^e				
SAMPLE_DATE		TCEQ				Concentrations in Soil			29-Jun-06			29-Jun-06			28-Jun-06				
FK_DEPTH		Medium-Specific		Method	Method	(95% UPL, mg/kg) ^b			FD			REG			REG				
SAMPLE_PURPOSE		Concentration (MSC)		Detection	Quantitation	Surface	Subsurface		0 - 1 Ft			3 - 4 Ft			0 - 1 Ft				
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft		DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.010	8.88 E-01	NVA	2.5E+03	1	U	UJ	0.019	1	U	UJ	0.018	1	U	UJ
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.005	NVA	NVA	4.6E-01	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.005	NVA	NVA	3.6E+00	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.010	NVA	NVA	4.9E+00	1	U	UJ	0.019	1	U	UJ	0.018	1	U	UJ
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.010	NVA	NVA	4.1E+03	1	U	U	0.019	1	U	U	0.018	1	U	U
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.005	NVA	NVA	5.2E-01	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.010	NVA	NVA	3.8E+00	1	U	U	0.019	1	U	U	0.018	1	U	U
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	1			0.313	1			0.009	1	U	U
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.005	NVA	NVA	5.3E-01	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Cyclohexane	1.7E+04	5.1E+04	0.0005	0.010	NVA	NVA	1.7E+04	1	U	U	0.019	1	U	U	0.018	1	U	U
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.005	NVA	NVA	3.4E+00	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.010	NVA	NVA	2.0E+03	1	U	U	0.019	1	U	U	0.018	1	U	U
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.005	NVA	NVA	7.0E+01	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Methyl Acetate	3.0E+03	1.0E+04	0.0010	0.010	NVA	NVA	3.0E+03	1	U	U	0.019	1	U	U	0.018	1	U	U
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.010	NVA	NVA	8.2E+02	1	U	U	0.019	1	U	U	0.018	1	U	U
VOLATILES	Methyl tert-butyl ether	7.1E+02	1.0E+02	0.0010	0.005	NVA	NVA	1.0E+02	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Methylcyclohexane	1.0E+04	5.1E+04	0.0010	0.010	NVA	NVA	1.0E+04	1	U	U	0.019	1	U	U	0.018	1	U	U
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.005	NVA	NVA	5.0E-01	1	U	U	0.002	1	J	B	0.009	1	U	U
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.005	6.90 E-03	NVA	1.0E+01	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.005	NVA	NVA	1.0E+02	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	1	U	U	0.002	1	J	J	0.009	1	U	U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	2.9E+00	1	U	U	0.009	1	U	U	0.009	1	U	U
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	1			0.256	1			0.005	1	J	J
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.010	NVA	NVA	3.1E+03	1	U	U	0.019	1	U	U	0.018	1	U	U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.010	NVA	NVA	6.6E-02	1	U	U	0.010	1	J	J	0.018	1	U	U
VOLATILES	Xylenes, Total	8.3E+02	1.0E+03	0.0005	0.005	8.90 E-03	NVA	8.3E+02	1	U	U	0.009	1	U	U	0.009	1	U	U

Notes:

Blank cells indicate sample was not analyzed for that chemical

Concentration exceeds Applicable MSC.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC5335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

e Shading indicates the SDL values that exceed the Applicable MSC.

f Sample was chosen for SPLP analysis by SW-846 method 1312.

g Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

h Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

i Chemical was detected in quality control analytical blank sample.

FD: Field duplicate sample

H: Estimate is high.

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

L: Estimate is low.

NE: Value not established

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION_CODE		TCEQ				Background		Applicable TCEQ Risk-Based MSC ^c	07SB03				07SB04				07SB04					
SAMPLE_NO						Concentrations in Soil			07SB03(3-4)				07SB04(0-1) ^e				07SB04(3-4)					
SAMPLE_DATE									28-Jun-06				28-Jun-06				28-Jun-06					
FK_DEPTH		Medium-Specific				Method					REG				REG				REG			
SAMPLE_PURPOSE		Concentration (MSC)				Detection			Quantitation		3 - 4 Ft				0 - 1 Ft				3 - 4 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual		
METALS	Silver	2.9E+03	5.1E+01	0.25	2	3.1E-01	3.70 E-01	5.1E+01	1.890	1	U	U	1.680	1	U	U	1.640	1	U	U		
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NVA	NVA	7.2E+00	0.006	1	J	J	0.054	1			0.016	1				
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	41.5	1	J	B	62.3	1		B	56.5	1		B		
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	46.6	1	J	B	64.7	1		B	61.9	1		B		
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	61.5	1	U	U	60.1	1	U	U	56.2	1	U	U		
RANGE_ORGANICS	Carbon Range C6-C35 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02														
SEMIVOLATILES	1,1'-Biphenyl	2.7E+02	5.1E+02	0.0825	0.1650	NVA	NVA	2.7E+02	0.204	1	U	U	0.993	5	U	U	0.186	1	U	U		
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.980	1	U	U	4.880	5	U	U	0.909	1	U	U		
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U		
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U		
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.980	1	U	U	4.880	5	U	U	0.909	1	U	U		
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00	0.196	1	U	UJL	0.975	5	U	UJL	0.182	1	U	UJL		
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01	0.204	1	U	UJL	0.993	5	U	UJL	0.186	1	U	UJL		
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.980	1	U	UJ	4.880	5	U	UJ	0.909	1	U	UJ		
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.980	1	U	U	4.880	5	U	U	0.909	1	U	U		
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U		
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.196	1	U	UJL	0.975	5	U	UJL	0.182	1	U	UJL		
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U		
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00	0.980	1	U	U	4.880	5	U	U	0.909	1	U	U		
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.980	1	U	U	4.880	5	U	U	0.909	1	U	U		
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	Acetophenone	4.3E+03	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	Atrazine	1.3E+02	3.0E-01	0.0825	0.1650	NVA	NVA	3.0E-01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	Benzaldehyde	4.5E+02	1.0E+03	0.0825	0.1650	NVA	NVA	4.5E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U		
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54 E-02	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U		
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U		
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23 E-02	NVA	3.1E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30 E-02	NVA	3.9E-01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U		
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U		
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U		

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	07SB03			07SB04			07SB04								
SAMPLE_NO									07SB03(3-4)			07SB04(0-1) ^e			07SB04(3-4)								
SAMPLE_DATE									28-Jun-06			28-Jun-06			28-Jun-06								
FK_DEPTH									REG			REG			REG								
SAMPLE_PURPOSE									3 - 4 Ft			0 - 1 Ft			3 - 4 Ft								
		TCEQ		Method		Method		Background															
		Medium-Specific		Detection		Quantitation		Concentrations in Soil															
		Concentration (MSC)		Limit (MDL)		Limit (MQL)		(95% UPL, mg/kg) ^b															
								Surface Subsurface															
								0 - 0.5 Ft 1.5 - 2.5 Ft															
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a									Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	Caprolactam	5.1E+05	5.1E+03	0.0825	0.1650	NVA	NVA	5.1E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Carbazole	1.4E+02	1.4E+00	0.0825	0.1650	NVA	NVA	1.4E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51 E-02	NVA	3.9E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U			
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29 E-02	NVA	4.1E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U			
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43 E-02	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U			
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	3.12 E-03	NVA	2.0E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U			
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U			
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.3300	0.8250	NVA	NVA	3.1E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	80.9	1			83.1	1			88.8	1					
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA	2.0E+01	0.002	1	J	J	0.003	1	J	J	0.015	1					
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA	1.4E+00	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	6.0E+04	3.1E+05	0.0005	0.010	NVA	NVA	6.0E+04	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U			
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.001	0.005	NVA	NVA	1.0E+03	0.009	1			0.008	1	U	U	0.005	1	J	J			
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA	7.0E-01	0.001	1	J	J	0.008	1	U	U	0.001	1	J	J			
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.002	0.005	0.005	NVA	2.0E-02	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U			
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA	6.0E+01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA	4.7E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA	7.1E+01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA	7.5E+00	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	4.46 E-02	NVA	6.1E+03	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U			
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	2.48 E-02	NVA	8.7E+01	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U			

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	07SB03				07SB04				07SB04			
SAMPLE_NO									07SB03(3-4)				07SB04(0-1) ^e				07SB04(3-4)			
SAMPLE_DATE									28-Jun-06				28-Jun-06				28-Jun-06			
FK_DEPTH									REG				REG				REG			
SAMPLE_PURPOSE									3 - 4 Ft				0 - 1 Ft				3 - 4 Ft			
		TCEQ		Method	Method	Background														
		Medium-Specific		Detection	Quantitation	Concentrations in Soil														
		Concentration (MSC)				(95% UPL, mg/kg) ^b														
		SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft													
Test Group	Parameter (Units = mg/kg)							Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.010	8.88 E-01	NVA	2.5E+03	0.012	1	U	UJ	0.016	1	U	UJ	0.011	1	U	UJ
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.005	NVA	NVA	4.6E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.005	NVA	NVA	3.6E+00	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.010	NVA	NVA	4.9E+00	0.012	1	U	UJ	0.016	1	U	UJ	0.011	1	U	UJ
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.010	NVA	NVA	4.1E+03	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.005	NVA	NVA	5.2E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.010	NVA	NVA	3.8E+00	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	0.002	1	J	J	0.008	1	U	U	0.010	1		
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.005	NVA	NVA	5.3E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Cyclohexane	1.7E+04	5.1E+04	0.0005	0.010	NVA	NVA	1.7E+04	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.005	NVA	NVA	3.4E+00	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.010	NVA	NVA	2.0E+03	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.005	NVA	NVA	7.0E+01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Methyl Acetate	3.0E+03	1.0E+04	0.0010	0.010	NVA	NVA	3.0E+03	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.010	NVA	NVA	8.2E+02	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U
VOLATILES	Methyl tert-butyl ether	7.1E+02	1.0E+02	0.0010	0.005	NVA	NVA	1.0E+02	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Methylcyclohexane	1.0E+04	5.1E+04	0.0010	0.010	NVA	NVA	1.0E+04	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.005	6.90 E-03	NVA	1.0E+01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.005	NVA	NVA	1.0E+02	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	2.9E+00	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.002	1	J	J	0.004	1	J	J	0.017	1		
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.010	NVA	NVA	3.1E+03	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.010	NVA	NVA	6.6E-02	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U
VOLATILES	Xylenes, Total	8.3E+02	1.0E+03	0.0005	0.005	8.90 E-03	NVA	8.3E+02	0.006	1	U	U	0.001	1	J	J	0.006	1	U	U

Notes:

Blank cells indicate sample was not analyzed for that chemical

Concentration exceeds Applicable MSC.a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TACS335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

e Sample was chosen for SPLP analysis by SW-846 method 1312.

f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

B Chemical was detected in quality control analytical blank sample.

FD: Field duplicate sample

H: Estimate is high.

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

L: Estimate is low.

NE: Value not established

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	07SB05				07SB05				07SB06			
SAMPLE_NO									07SB05(0-1)				07SB05(3-4)				07SB06(0-1) *			
SAMPLE_DATE									29-Jun-06				29-Jun-06				29-Jun-06			
FK_DEPTH									REG				REG				REG			
SAMPLE_PURPOSE									0 - 1 Ft				3 - 4 Ft				0 - 1 Ft			
Test Group	Parameter (Units = mg/kg)	Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	Concentrations in Soil (95% UPL, mg/kg) ^b														
		SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	Surface	Subsurface													
METALS	Silver	2.9E+03	5.1E+01	0.25	2	3.1E-01	3.70 E-01	5.1E+01	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NVA	NVA	7.2E+00	0.007	1	J	J	0.040	4	U	U	0.010	1	U	U
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02									29.1	1	J	B
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02									50.2	1	J	B
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02									54.0	1	U	U
RANGE_ORGANICS	Carbon Range C6-C35 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02												
SEMIVOLATILES	1,1'-Biphenyl	2.7E+02	5.1E+02	0.0825	0.1650	NVA	NVA	2.7E+02									0.178	1	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03									0.172	1	U	U
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00									0.172	1	U	U
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01									0.172	1	U	U
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02									0.172	1	U	U
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01									0.860	1	U	U
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01									0.089	1	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01									0.089	1	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02									0.172	1	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01									0.172	1	U	U
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01									0.172	1	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02									0.172	1	U	U
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00									0.860	1	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00									0.172	1	U	U
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01									0.178	1	U	UJL
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00									0.860	1	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01									0.860	1	U	U
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01									0.089	1	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01									0.172	1	U	U
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01									0.172	1	U	U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01									0.089	1	U	U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01									0.172	1	U	U
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00									0.860	1	U	U
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01									0.860	1	U	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01									0.172	1	U	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02									0.172	1	U	U
SEMIVOLATILES	Acetophenone	4.3E+03	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03									0.172	1	U	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03									0.172	1	U	U
SEMIVOLATILES	Atrazine	1.3E+02	3.0E-01	0.0825	0.1650	NVA	NVA	3.0E-01									0.172	1	U	U
SEMIVOLATILES	Benzaldehyde	4.5E+02	1.0E+03	0.0825	0.1650	NVA	NVA	4.5E+02									0.172	1	U	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01									0.089	1	U	U
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54 E-02	NVA	1.7E-01									0.089	1	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01									0.089	1	U	U
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23 E-02	NVA	3.1E+02									0.172	1	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30 E-02	NVA	3.9E-01									0.172	1	U	U
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01									0.089	1	U	U
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01									0.089	1	U	U
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00									0.172	1	U	U
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01									0.181	1		
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03									0.148	1	J	J

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION_CODE												07SB05		07SB05		07SB06							
SAMPLE_NO												07SB05(0-1)		07SB05(3-4)		07SB06(0-1) *							
SAMPLE_DATE		TCEQ				Background		Concentrations in Soil		Applicable		29-Jun-06		29-Jun-06		29-Jun-06							
FK_DEPTH		Medium-Specific				Method		Method		(95% UPL, mg/kg) ^b		TCEQ		REG		REG		REG					
SAMPLE_PURPOSE		Concentration (MSC)				Detection		Quantitation		Surface		Subsurface		Risk-Based		0 - 1 Ft		3 - 4 Ft		0 - 1 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual		
SEMIVOLATILES	Caprolactam	5.1E+05	5.1E+03	0.0825	0.1650	NVA	NVA	5.1E+03										0.172	1	U	U		
SEMIVOLATILES	Carbazole	1.4E+02	1.4E+00	0.0825	0.1650	NVA	NVA	1.4E+00										0.172	1	U	U		
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51 E-02	NVA	3.9E+00										0.172	1	U	U		
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01										0.089	1	U	U		
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01										0.172	1	U	U		
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03										0.356	1				
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03										0.172	1	U	U		
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03										0.172	1	U	U		
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02										0.172	1	U	U		
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29 E-02	NVA	4.1E+02										0.172	1	U	U		
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02										0.172	1	U	U		
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01										0.089	1	U	U		
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00										0.172	1	U	U		
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00										0.172	1	U	U		
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E-01	0.0825	0.1650	NVA	NVA	1.0E+01										0.172	1	U	U		
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43 E-02	NVA	1.7E-01										0.089	1	U	U		
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02										0.172	1	U	U		
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	3.12 E-03	NVA	2.0E+02										0.172	1	U	U		
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00										0.172	1	U	U		
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01										0.089	1	U	U		
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00										0.172	1	U	U		
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01										0.089	1	U	U		
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.3300	0.8250	NVA	NVA	3.1E+02										0.172	1	U	U		
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03										0.172	1	U	U		
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02										0.172	1	U	U		
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--		93.6				85.2				92.6	1				
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA	2.0E+01										0.014	2	U	U		
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA	1.4E+00										0.014	2	U	U		
VOLATILES	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	6.0E+04	3.1E+05	0.0005	0.010	NVA	NVA	6.0E+04										0.027	2	U	U		
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01										0.014	2	U	U		
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.001	0.005	NVA	NVA	1.0E+03										0.014	2	U	U		
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA	7.0E-01										0.014	2	U	U		
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00										0.014	2	U	U		
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.002	0.005	0.005	NVA	2.0E-02										0.014	2	U	U		
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA	5.0E-03										0.001	2	U	U		
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA	6.0E+01										0.014	2	U	U		
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA	4.7E-01										0.014	2	U	U		
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01										0.014	2	U	U		
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA	7.1E+01										0.014	2	U	U		
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA	7.5E+00										0.014	2	U	U		
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	4.46 E-02	NVA	6.1E+03										0.027	2	U	U		
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	2.48 E-02	NVA	8.7E+01										0.027	2	U	U		

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	07SB05				07SB05				07SB06			
SAMPLE_NO						Background			07SB05(0-1)				07SB05(3-4)				07SB06(0-1) ^e			
SAMPLE_DATE		TCEQ				Concentrations in Soil			29-Jun-06				29-Jun-06				29-Jun-06			
FK_DEPTH		Medium-Specific		Method	Method	(95% UPL, mg/kg) ^b			REG				REG				REG			
SAMPLE_PURPOSE		Concentration (MSC)		Detection	Quantitation				0 - 1 Ft				3 - 4 Ft				0 - 1 Ft			
						Surface	Subsurface													
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft													
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.010	8.88 E-01	NVA													
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.005	NVA	NVA													
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.005	NVA	NVA													
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.005	NVA	NVA													
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.010	NVA	NVA													
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.005	NVA	NVA													
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.005	NVA	NVA													
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.005	NVA	NVA													
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.010	NVA	NVA													
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.005	NVA	NVA													
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.010	NVA	NVA													
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.005	NVA	NVA													
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.005	NVA	NVA													
VOLATILES	Cyclohexane	1.7E+04	5.1E+04	0.0005	0.010	NVA	NVA													
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.005	NVA	NVA													
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.010	NVA	NVA													
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.005	NVA	NVA													
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.005	NVA	NVA													
VOLATILES	Methyl Acetate	3.0E+03	1.0E+04	0.0010	0.010	NVA	NVA													
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.010	NVA	NVA													
VOLATILES	Methyl tert-butyl ether	7.1E+02	1.0E+02	0.0010	0.005	NVA	NVA													
VOLATILES	Methylcyclohexane	1.0E+04	5.1E+04	0.0010	0.010	NVA	NVA													
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.005	NVA	NVA													
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.005	6.90 E-03	NVA													
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.005	NVA	NVA													
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.005	NVA	NVA													
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.005	NVA	NVA													
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.005	NVA	NVA													
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.005	NVA	NVA													
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.010	NVA	NVA													
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.010	NVA	NVA													
VOLATILES	Xylenes, Total	8.3E+02	1.0E+03	0.0005	0.005	8.90 E-03	NVA													

Notes:

Blank cells indicate sample was not analyzed for that chemical

Concentration exceeds Applicable MSC.a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

e Sample was chosen for SPLP analysis by SW-846 method 1312.

f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

B Chemical was detected in quality control analytical blank sample.

FD: Field duplicate sample

H: Estimate is high.

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

L: Estimate is low.

NE: Value not established

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION__CODE										07SB06				47SB23				47SB23			
SAMPLE_NO								Background		07SB06(3-4)				07SB06(0-0.5)				07SB06(1-2)			
SAMPLE_DATE								Concentrations in Soil		29-Jun-06				3-Jun-06				3-Jun-06			
FK_DEPTH								(95% UPL, mg/kg) ^b		REG				REG				REG			
SAMPLE_PURPOSE		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	Surface Subsurface		3 - 4 Ft				0 - 0.5 Ft				1 - 2 Ft					
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	1.5 - 2.5 Ft		TCEQ Risk-Based				Result ^d				Result ^d					
								MSC ^c				DIL Qual ValQual				DIL Qual ValQual					
METALS	Silver	2.9E+03	5.1E+01	0.25	2	3.1E-01	3.70 E-01	5.1E+01				1.750	1	U	U						
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NVA	NVA	7.2E+00				0.040	4	U	U	0.020	1				
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02				42.3	1	J	B			0.006	1		
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02				47.5	1	J	B						
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02				60.7	1	U	U						
RANGE_ORGANICS	Carbon Range C6-C35 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02													
SEMIVOLATILES	1,1'-Biphenyl	2.7E+02	5.1E+02	0.0825	0.1650	NVA	NVA	2.7E+02				0.201	1	U	U						
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03				0.199	1	U	U						
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00				0.199	1	U	U						
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01				0.199	1	U	U						
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02				0.199	1	U	U						
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01				0.994	1	U	U						
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01				0.100	1	U	U						
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01				0.100	1	U	U						
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02				0.199	1	U	U						
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01				0.199	1	U	U						
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01				0.199	1	U	U						
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02				0.199	1	U	U						
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00				0.994	1	U	U						
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00				0.199	1	U	U						
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01				0.201	1	U	U	U					
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00				0.994	1	U	U						
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01				0.994	1	U	U						
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01				0.100	1	U	U						
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01				0.199	1	U	U						
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01				0.199	1	U	U						
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01				0.100	1	U	U						
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01				0.199	1	U	U						
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00				0.994	1	U	U						
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01				0.994	1	U	U						
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01				0.199	1	U	U						
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02				0.199	1	U	U						
SEMIVOLATILES	Acetophenone	4.3E+03	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03				0.199	1	U	U						
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03				0.199	1	U	U						
SEMIVOLATILES	Atrazine	1.3E+02	3.0E-01	0.0825	0.1650	NVA	NVA	3.0E-01				0.199	1	U	U						
SEMIVOLATILES	Benzaldehyde	4.5E+02	1.0E+03	0.0825	0.1650	NVA	NVA	4.5E+02				0.199	1	U	U						
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01				0.100	1	U	U						
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54 E-02	NVA	1.7E-01				0.100	1	U	U						
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01				0.100	1	U	U						
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23 E-02	NVA	3.1E+02				0.199	1	U	U						
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30 E-02	NVA	3.9E-01				0.199	1	U	U						
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01				0.100	1	U	U						
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01				0.100	1	U	U						
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00				0.199	1	U	U						
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01				0.199	1	U	U						
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03				0.199	1	U	U						

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION__CODE								Applicable TCEQ Risk-Based MSC ^c	07SB06				47SB23				47SB23			
SAMPLE_NO									07SB06(3-4)				07SB06(0-0.5)				07SB06(1-2)			
SAMPLE_DATE									29-Jun-06				3-Jun-06				3-Jun-06			
FK_DEPTH									REG				REG				REG			
SAMPLE_PURPOSE									3 - 4 Ft				0 - 0.5 Ft				1 - 2 Ft			

Table 2
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-07

LOCATION__CODE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</	

Notes:

Blank cells indicate sample was not analyzed for that chemical

Concentration exceeds Applicable MSC.a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

e Sample was chosen for SPLP analysis by SW-846 method 1312.

f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

B Chemical was detected in quality control analytical blank sample.

FD: Field duplicate sample

H: Estimate is high.

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

L: Estimate is low.

NE: Value not established

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 3
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-51

LOCATION_CODE										51SB01										51SB01										51SB02									
SAMPLE_NO										51SB01-01										51SB01-02										51SB02(0-1) °									
SAMPLE_DATE										30-Aug-06										30-Aug-06										28-Jun-06									
FK_DEPTH										REG										REG										REG									
SAMPLE_PURPOSE										0 - 0 Ft										0 - 0 Ft										0 - 1 Ft									
TCEQ										TCEQ										TCEQ										TCEQ									
Method Detection										Method Quantitation										Method Detection										Method Quantitation									
Medium-Specific Concentration (MSC)										(95% UPL, mg/kg) b										TCEQ Risk-Based										TCEQ Risk-Based									
Surface										Subsurface										Surface										Subsurface									
Test Group										Parameter (Units = mg/kg)										Limit (MDL)										Limit (MQL)									
SAI-Ind a										GWP-Ind a										0 - 0.5 Ft										1.5 - 2.5 Ft									
PERC										Perchlorate										9.5E+02										7.2E+00									
METAL										Silver										2.9E+03										5.1E+01									
SOLIDS										Percent Solids										NE										NE									
0.005										0.010										NE										NE									
0.050										0.200										3.1E-01										3.70 E-01									
NE										NE										NE										NE									
7.2E+00										5.1E+01										MSC c										MSC c									
0.010										0.010										Result d										Result d									
1										1										DIL										DIL									
U										U										Qual										Qual									
U										U										ValQual										ValQual									
0.010										0.010										1										1									
1										1										1										1									
0.21										0.21										1										1									
161.00										161.00										1										1									
93.0										93.0										1										1									

Notes:

Blank cells indicate sample was not analyzed for that chemical

Concentration exceeds Applicable MSC.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the

TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TACS335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

e Sample was chosen for SPLP analysis by SW-846 method 1312.

NE: Value not established

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 3
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-51

LOCATION_CODE							Applicable TCEQ Risk-Based MSC ^c	51SB02			51SB03			51SB03				
SAMPLE_NO								51SB02(3-4)			51SB03(0-1)			51SB03(0-1)				
SAMPLE_DATE								28-Jun-06			27-Jun-06			27-Jun-06				
FK_DEPTH								REG			REG			REG				
SAMPLE_PURPOSE								3 - 4 Ft			0 - 1 Ft			0 - 1 Ft				
		TCEQ		Background														
				Concentrations in Soil														
				(95% UPL, mg/kg) ^b														
				Surface Subsurface														

Notes:

Blank cells indicate sample was not analyzed for that chemical

Concentration exceeds Applicable MSC.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the

TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

e Sample was chosen for SPLP analysis by SW-846 method 1312.

NE: Value not established

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 3
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-51

LOCATION_CODE								51SB03				51SB04				51SB05			
SAMPLE_NO								51SB03(3-4)				51SB04(0-1)				51SB05(0-1)			
SAMPLE_DATE								27-Jun-06				27-Jun-06				28-Jun-06			
FK_DEPTH		TCEQ						REG				REG				REG			
SAMPLE_PURPOSE		Medium-Specific Concentration (MSC)						3 - 4 Ft				0 - 1 Ft				0 - 1 Ft			
Test Group		Parameter (Units = mg/kg)		SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	MSC ^c				Result ^d				Result ^d			
								Surface	Subsurface			DIL	Qual	ValQual		DIL	Qual	ValQual	
PERC	Perchlorate			9.5E+02	7.2E+00	0.005	0.010	NE	NE	7.2E+00		1.49	1	J	J	145.00	1	149.00	1
METAL	Silver			2.9E+03	5.1E+01	0.050	0.200	3.1E-01	3.70 E-01	5.1E+01		84.5	1			96.7	1	98.7	1
SOLIDS	Percent Solids			NE	NE	NE	NE	NE	NE	--		84.5	1			96.7	1	98.7	1

Notes:

Blank cells indicate sample was not analyzed for that chemical

Concentration exceeds Applicable MSC.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the

TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

e Sample was chosen for SPLP analysis by SW-846 method 1312.

NE: Value not established

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE								55SB01	55SB01	55SB02
SAMPLE_NO						Background		55-SB01-(1-2)	55-SB01-(5-6)	55SB02-1-2
SAMPLE_DATE		TCEQ				Concentrations in Soil		28-Sep-06	28-Sep-06	27-Sep-06
FK_DEPTH		Medium-Specific		Method	Method	(95% UPL, mg/kg) ^b		REG	REG	REG
SAMPLE_PURPOSE		Concentration (MSC)		Detection	Quantitation	Surface	Subsurface	1 - 2 Ft	5 - 6 Ft	1 - 2 Ft
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	TCEQ Risk-Based		
								MSC ^c	Result ^d	DIL Qual ValQual
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.100	0.250	NVA	NVA	3.1E+02	0.250	1 U U
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.100	0.250	NVA	NVA	1.0E+00	0.250	1 U U
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.100	0.250	NVA	NVA	5.1E+00	0.250	1 U U
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.250	NVA	NVA	2.5E-01	0.111	1 U U
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.260	NVA	NVA	2.6E-01	0.111	1 U U
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.260	1 U U
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.260	1 U U
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.100	2.200	NVA	NVA	1.0E+02	2.200	1 U U
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.250	1 U U
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.130	0.260	NVA	NVA	5.1E+00	0.260	1 U U
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.250	1 U UJL
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.250	1 U U
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.100	1.000	NVA	NVA	2.6E+00	1.000	1 U U
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.200	0.650	NVA	NVA	1.0E+02	0.650	1 U U
METALS	Aluminum	1.0E+06	1.0E+04	10.000	20.00	1.63E+04	2.08E+04	1.6E+04	13800	1
METALS	Antimony	4.9E+02	6.0E-01	0.500	0.10	9.40E-01	1.60E+00	9.4E-01	0.111	1 U U
METALS	Arsenic	2.0E+02	1.0E+00	0.075	0.30	4.81E+00	5.54E+00	4.8E+00	3.150	1
METALS	Barium	1.7E+05	2.0E+02	0.075	0.30	1.52E+02	8.54E+01	2.0E+02	75.0	1
METALS	Beryllium	2.7E+02	4.0E-01	0.012	0.50	6.45E-01	7.66E-01	6.5E-01	0.418	1
METALS	Cadmium	1.5E+03	5.0E-01	0.025	0.10	1.40E+00	4.00E-01	5.0E-01	0.086	1 J J
METALS	Calcium	NE	NE	NA	NA	--	--	--	314	1
METALS	Chromium	3.5E+05	1.0E+01	0.100	0.40	2.66E+01	3.01E+01	2.7E+01	12,400	1
METALS	Cobalt	1.1E+05	6.1E+02	0.125	0.50	7.23E+00	5.61E+00	6.1E+02	4,650	1
METALS	Copper	7.4E+04	1.3E+02	0.150	0.60	5.55E+00	9.25E+00	1.3E+02	3,660	1
METALS	Iron	NE	NE	NA	NA	--	--	--	13000	1
METALS	Lead	1.0E+03	1.5E+00	0.500	5.00	2.26E+01	1.14E+01	1.1E+01	10,400	1
METALS	Magnesium	NE	NE	NA	NA	--	--	--	644	1
METALS	Manganese	1.1E+05	1.4E+03	0.050	0.20	1.25E+03	2.01E+02	1.4E+03	136	1
METALS	Mercury	1.5E-01	2.0E-01	0.010	0.25	8.19E-02	3.60E-01	2.5E-01	0.011	1 J J
METALS	Nickel	1.2E+04	2.0E+02	0.200	0.80	6.98E+00	1.16E+01	2.0E+02	5,630	1
METALS	Potassium	NE	NE	NA	NA	--	--	--	454	1
METALS	Selenium	9.3E+03	5.0E+00	0.100	0.20	3.48E+00	5.56E+00	5.0E+00	0.528	1
METALS	Silver	2.9E+03	5.1E+01	0.050	0.20	3.10E-01	3.70E-01	5.1E+01	1,590	1 U U
METALS	Sodium	NE	NE	NA	NA	--	--	--	114.0	1
METALS	Thallium	NE	2.0E-01	0.010	0.02	NVA	NVA	2.0E-01	0.103	1
METALS	Vanadium	3.0E+03	7.2E+01	0.125	0.50	3.21E+01	4.46E+01	7.2E+01	24.1	1
METALS	Zinc	4.1E+05	3.1E+03	0.625	2.50	6.16E+01	2.02E+01	3.1E+03	15.3	1
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.01	NVA	NVA	7.2E+00		
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.1650	NVA	NVA	7.0E+00	0.181	1 U U
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.1650	NVA	NVA	6.0E+01	0.181	1 U U
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.1650	NVA	NVA	7.1E+01	0.181	1 U U
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.1650	NVA	NVA	7.5E+00	0.181	1 U U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.181	1 U UJL
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00	0.181	1 U UJL
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01	0.181	1 U UJL
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.181	1 U UJL
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.903	1 U UJL
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.091	1 U U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.091	1 U U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02	0.181	1 U U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.181	1 U UJL
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.181	1 U U
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02	0.181	1 U UJL
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.903	1 U U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00	0.181	1 U UJL
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01	0.183	1 U U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.903	1 U U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.903	1 U UJL
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.091	1 U U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.181	1 U UJL
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.181	1 U U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.091	1 U U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.181	1 U UJL
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00	0.903	1 U U

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE								55SB01	55SB01	55SB02		
SAMPLE_NO						Background		55-SB01-(1-2)	55-SB01-(5-6)	55SB02-1-2		
SAMPLE_DATE		TCEQ				Concentrations in Soil		28-Sep-06		28-Sep-06	27-Sep-06	
FK_DEPTH		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	(95% UPL, mg/kg) ^b		REG		REG	REG	
SAMPLE_PURPOSE						Surface	Subsurface	1 - 2 Ft		5 - 6 Ft	1 - 2 Ft	
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MOL)	0 - 0.5 Ft	1.5 - 2.5 Ft	TCEQ Risk-Based				
								MSC ^c	Result ^d	DIL	Qual	
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01		0.903	1 U U	
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01		0.181	1 U U	
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02		0.181	1 U U	
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03		0.181	1 U U	
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01		0.091	1 U U	
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54E-02	NVA	1.7E-01		0.091	1 U U	
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01		0.091	1 U U	
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23E-02	NVA	3.1E+02		0.181	1 U U	
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30E-02	NVA	3.9E-01		0.181	1 U U	
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.3300	0.8250	NVA	NVA	4.1E+04		0.903	1 U U	
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03		0.181	1 U U	
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01		0.091	1 U U	
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01		0.091	1 U U	
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00		0.181	1 U U	
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01		0.181	1 U U	
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03		0.181	1 U U	
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51E-02	NVA	3.9E+00		0.181	1 U U	
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01		0.091	1 U U	
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01		0.181	1 U U	
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03		0.181	1 U U	
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03		0.181	1 U U	
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03		0.181	1 U U	
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02		0.181	1 U U	
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29E-02	NVA	4.1E+02		0.181	1 U U	
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02		0.181	1 U U	
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01		0.091	1 U U	
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00		0.181	1 U U	
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00		0.181	1 U U	
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01		0.181	1 U U	
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43E-02	NVA	1.7E-01		0.091	1 U U	
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02		0.181	1 U U	
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02		0.181	1 U U	
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00		0.181	1 U U	
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01		0.091	1 U U	
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00		0.181	1 U U	
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.8250	NVA	NVA	8.3E-01		0.365	1 U U	
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.1650	NVA	NVA	3.1E+02		0.181	1 U U	
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03		0.181	1 U U	
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02		0.181	1 U U	
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--		90.4	1	
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.0050	NVA	NVA	1.1E+01	0.005	1 U	0.007	1 U U
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.0050	NVA	NVA	2.0E+01	0.005	1 U	0.007	1 U U
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.0050	NVA	NVA	1.4E+00	0.005	1 U	0.007	1 U U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1 U	0.007	1 U U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.0050	NVA	NVA	1.0E+03	0.005	1 U	0.007	1 U U
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.0050	NVA	NVA	7.0E-01	0.005	1 U	0.007	1 U U
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.0050	NVA	NVA	2.9E-01	0.005	1 U	0.007	1 U U
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.0050	NVA	NVA	3.1E+01	0.005	1 U	0.007	1 U U
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.0050	NVA	NVA	5.0E-03	0.001	1 U	0.001	1 U U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00	0.005	1 U	0.007	1 U U
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.4E+02	0.005	1 U	0.007	1 U U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.0050	NVA	NVA	2.0E-02	0.005	1 U	0.007	1 U U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.0050	NVA	NVA	5.0E-03	0.001	1 U	0.001	1 U U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.0050	NVA	NVA	6.0E+01	0.005	1 U	0.007	1 U U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.0050	NVA	NVA	4.7E-01	0.005	1 U	0.007	1 U U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1 U	0.007	1 U U
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	0.005	1 U	0.007	1 U U
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.2E+02	0.005	1 U	0.007	1 U U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.0050	NVA	NVA	7.1E+01	0.005	1 U	0.007	1 U U
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00	0.005	1 U	0.007	1 U U

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE						Background		Applicable TCEQ Risk-Based	55SB01				55SB01				55SB02						
SAMPLE_NO						Concentrations in Soil			55-SB01-(1-2)				55-SB01-(5-6)				55SB02-1-2						
SAMPLE_DATE		TCEQ				(95% UPL, mg/kg) ^b			28-Sep-06				28-Sep-06				27-Sep-06						
FK_DEPTH	SAMPLE_PURPOSE	Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	Surface	Subsurface		REG 1 - 2 Ft				REG 5 - 6 Ft				REG 1 - 2 Ft						
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c				Result ^d				Result ^d				Result ^d			
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.0050	NVA	NVA	7.5E+00				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.0050	NVA	NVA	4.2E+00				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.0100	NVA	NVA	6.1E+03				0.010	1	U		0.011	1	U		0.014	1	U	U
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.0100	NVA	NVA	2.6E-01				0.010	1	U		0.011	1	U		0.014	1	U	U
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.0005	0.0050	NVA	NVA	2.0E+02				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.0100	NVA	NVA	8.7E+01				0.010	1	U		0.011	1	U		0.014	1	U	U
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.0005	0.0050	NVA	NVA	4.8E+00				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.0100	NVA	NVA	2.5E+03				0.010	1	U	UJ	0.011	1	U	UJ	0.014	1	U	U
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.0005	0.0050	NVA	NVA	1.6E+02				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.0005	0.0050	NVA	NVA	3.4E+02				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.0050	NVA	NVA	4.6E-01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.0050	NVA	NVA	3.6E+00				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.0100	NVA	NVA	4.9E+00				0.010	1	U		0.011	1	U		0.014	1	U	U
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.0100	NVA	NVA	4.1E+03				0.010	1	U		0.011	1	U		0.014	1	U	U
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.0050	NVA	NVA	5.2E-01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.0100	NVA	NVA	3.8E+00				0.010	1	U		0.011	1	U		0.014	1	U	U
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.0050	NVA	NVA	5.3E-01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.0050	NVA	NVA	3.4E+00				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.0005	0.0050	NVA	NVA	3.8E+01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.0100	NVA	NVA	2.0E+03				0.010	1	U		0.011	1	U		0.014	1	U	U
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.0050	NVA	NVA	7.0E+01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0005	0.0050	NVA	NVA	2.0E+00				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	m,p-Xylenes	3.3E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.0100	NVA	NVA	8.2E+02				0.010	1	U		0.011	1	U		0.014	1	U	U
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.0050	NVA	NVA	5.0E-01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0005	0.0100	NVA	NVA	2.0E+02				0.010	1	U		0.011	1	U		0.014	1	U	U
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.0050	NVA	NVA	1.0E+02				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01				0.005	1	U		0.005	1	U		0.007	1	U	U
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.0100	NVA	NVA	3.1E+03				0.010	1	U		0.011	1	U		0.014	1	U	U
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.0010	0.0100	NVA	NVA	8.0E+02				0.010	1	U		0.011	1	U		0.014	1	U	U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.0100	NVA	NVA	6.6E-02				0.010	1	U		0.011	1	U		0.014	1	U	U

Notes:

Blank cells indicate sample was not analyzed for that chemical.

Concentration exceeds Applicable MSC.a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC5335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

e Value shown is the lowest of MSCs for >12-16C, >16-21 C, and >21-35 C (aromatic) boiling fraction of total petroleum hydrocarbons.

H Estimate is high.

J Estimated value. Chemical was detected above the method detection limit but below the MQL.

L Estimate is low.

NE Value not established

NVA No value available

REG Regular Sample

U Compound validated as not detected above MDL shown.

95% UPL 95 per cent Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE									55SB02	55SB03			55SB03								
SAMPLE_NO								Applicable TCEQ Risk-Based	55-SB02-3_5			55-SB03-1-2 °			55-SB03-3_0 °						
SAMPLE_DATE		Background							27-Sep-06			27-Sep-06			27-Sep-06						
FK_DEPTH		Concentrations in Soil																			
SAMPLE_PURPOSE		TCEQ		Method		Method			(95% UPL, mg/kg) ^b												
		Medium-Specific Concentration (MSC)		Detection		Quantitation		Surface Subsurface					REG 3_5 - 3_5 Ft			REG 1 - 2 Ft			REG 3 - 3 Ft		
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.100	0.250	NVA	NVA	3.1E+02	0.243	1	U	U	0.243	1	U	U	0.248	1	U	U	
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.100	0.250	NVA	NVA	1.0E+00	0.243	1	U	U	0.243	1	U	U	0.248	1	U	U	
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.100	0.250	NVA	NVA	5.1E+00	0.243	1	U	U	0.243	1	U	U	0.248	1	U	U	
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.250	NVA	NVA	2.5E-01	0.107	1	U	U	0.117	1	U	U	0.119	1	U	U	
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.260	NVA	NVA	2.6E-01	0.107	1	U	U	0.117	1	U	U	0.119	1	U	U	
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.252	1	U	U	0.252	1	U	U	0.257	1	U	U	
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.252	1	U	U	0.252	1	U	U	0.257	1	U	U	
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.100	2.200	NVA	NVA	1.0E+02	2.140	1	U	U	2.140	1	U	U	2.180	1	U	U	
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.243	1	U	U	0.243	1	U	U	0.248	1	U	U	
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.130	0.260	NVA	NVA	5.1E+00	0.252	1	U	U	0.252	1	U	U	0.257	1	U	U	
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.243	1	U	UJL	0.243	1	U	U	0.248	1	U	U	
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.243	1	U	U	0.243	1	U	U	0.248	1	U	U	
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.100	1.000	NVA	NVA	2.6E+00	0.971	1	U	U	0.971	1	U	U	0.990	1	U	U	
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.200	0.650	NVA	NVA	1.0E+02	0.631	1	U	U	0.631	1	U	U	0.644	1	U	U	
METALS	Aluminum	1.0E+06	1.0E+04	10.000	20.00	1.63E+04	2.08E+04	1.6E+04	8900	1			10800	1			16100	1			
METALS	Antimony	4.9E+02	6.0E-01	0.500	0.10	9.40E-01	1.60E+00	9.4E-01	0.106	1	U	U	0.117	1	J	JL	0.119	1	U	UJL	
METALS	Arsenic	2.0E+02	1.0E+00	0.075	0.30	4.81E+00	5.54E+00	4.8E+00	1.900	1			0.823	1			1.250	1			
METALS	Barium	1.7E+05	2.0E+02	0.075	0.30	1.52E+02	8.54E+01	2.0E+02	50.3	1			81.7	1			118.0	1			
METALS	Beryllium	2.7E+02	4.0E-01	0.012	0.50	6.45E-01	7.66E-01	6.5E-01	0.321	1	J	J	0.699	1			0.795	1			
METALS	Cadmium	1.5E+03	5.0E-01	0.025	0.10	1.40E+00	4.00E-01	5.0E-01	0.066	1	J	J	0.068	1	J	J	0.125	1	J	J	
METALS	Calcium	NE	NE	NA	NA	--	--	--	223	1			415	1			718	1			
METALS	Chromium	3.5E+05	1.0E+01	0.100	0.40	2.66E+01	3.01E+01	2.7E+01	12.500	1			19.600	1		JH	20.500	1		JH	
METALS	Cobalt	1.1E+05	6.1E+02	0.125	0.50	7.23E+00	5.61E+00	6.1E+02	5.220	1			8.690	1			9.610	1			
METALS	Copper	7.4E+04	1.3E+02	0.150	0.60	5.55E+00	9.25E+00	1.3E+02	2.580	1			4.150	1			5.840	1			
METALS	Iron	NE	NE	NA	NA	--	--	--	11000	1			18800	1			21600	1			
METALS	Lead	1.0E+03	1.5E+00	0.500	5.00	2.26E+01	1.14E+01	1.1E+01	6.980	1			80.900	1			13.600	1			
METALS	Magnesium	NE	NE	NA	NA	--	--	--	421	1			888	1			1350	1			
METALS	Manganese	1.1E+05	1.4E+03	0.050	0.20	1.25E+03	2.01E+02	1.4E+03	146	1			158	1			116	1			
METALS	Mercury	1.5E-01	2.0E-01	0.010	0.25	8.19E-02	3.60E-01	2.5E-01	0.011	1	J	J	0.012	1	J	J	0.012	1	J	J	
METALS	Nickel	1.2E+04	2.0E+02	0.200	0.80	6.98E+00	1.16E+01	2.0E+02	4.690	1			8.490	1			12.700	1			
METALS	Potassium	NE	NE	NA	NA	--	--	--	349	1			445	1			653	1			
METALS	Selenium	9.3E+03	5.0E+00	0.100	0.20	3.48E+00	5.56E+00	5.0E+00	0.357	1			0.200	1	J	JL	0.238	1	U	UJL	
METALS	Silver	2.9E+03	5.1E+01	0.050	0.20	3.10E-01	3.70E-01	5.1E+01	1.650	1	U	U	1.730	1	U	U	1.730	1	U	U	
METALS	Sodium	NE	NE	NA	NA	--	--	--	69.2	1			23.7	1			40.9	1			
METALS	Thallium	NE	2.0E-01	0.010	0.02	NVA	NVA	2.0E-01	0.072	1			0.040	1			0.059	1			
METALS	Vanadium	3.0E+03	7.2E+01	0.125	0.50	3.21E+01	4.46E+01	7.2E+01	20.5	1			31.5	1			32.5	1			
METALS	Zinc	4.1E+05	3.1E+03	0.625	2.50	6.16E+01	2.02E+01	3.1E+03	11.4	1			29.7	1			50.6	1			
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.01	NVA	NVA	7.2E+00													
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.1650	NVA	NVA	7.0E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.1650	NVA	NVA	6.0E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.1650	NVA	NVA	7.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.1650	NVA	NVA	7.5E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.872	1	U	U	0.950	1	U	U	0.974	1	U	U	
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U	
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U	
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.872	1	U	U	0.950	1	U	U	0.974	1	U	U	
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01	0.177	1	U	U	0.193	1	U	U	0.197	1	U	U	
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.872	1	U	U	0.950	1	U	U	0.974	1	U	U	
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.872	1	U	U	0.950	1	U	U	0.974	1	U	U	
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U	
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U	
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U	
SEMIVOLATILES	4-Nitroaniline	7.5																			

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE								55SB02		55SB03				55SB03				
SAMPLE_NO						Background		55-SB02-3_5		55-SB03-1-2 °				55-SB03-3_0 °				
SAMPLE_DATE		TCEQ				Concentrations in Soil		27-Sep-06		27-Sep-06				27-Sep-06				
FK_DEPTH		Medium-Specific				(95% UPL, mg/kg) ^b		TCEQ		REG				REG				
SAMPLE_PURPOSE		Concentration (MSC)				Surface Subsurface		Risk-Based		3_5 - 3_5 Ft				1 - 2 Ft				
		Method Detection				Method Quantitation		MSC ^c		Result ^d				Result ^d				
Test Group		Parameter (Units = mg/kg)				Limit (MDL) Limit (MQL)		0 - 0.5 Ft 1.5 - 2.5 Ft		DIL Qual ValQual				DIL Qual ValQual				
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.872	1	U	U	0.950	1	U	0.974	1	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	0.098	1	U
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54E-02	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	0.098	1	U
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	0.098	1	U
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23E-02	NVA	3.1E+02	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30E-02	NVA	3.9E-01	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.3300	0.8250	NVA	NVA	4.1E+04	0.872	1	U	UJ	0.950	1	U	0.974	1	U
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	0.098	1	U
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	0.098	1	U
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51E-02	NVA	3.9E+00	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	0.098	1	U
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29E-02	NVA	4.1E+02	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	0.098	1	U
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43E-02	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	0.098	1	U
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	0.098	1	U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.8250	NVA	NVA	8.3E-01	0.354	1	U	U	0.386	1	U	0.394	1	U
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.1650	NVA	NVA	3.1E+02	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.174	1	U	U	0.190	1	U	0.195	1	U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02	0.174	1	U	U	0.190	1	U	0.195	1	U
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	93.2	1			85.5	1		83.8	1	
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.0050	NVA	NVA	1.1E+01	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.0050	NVA	NVA	2.0E+01	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.0050	NVA	NVA	1.4E+00	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.0050	NVA	NVA	1.0E+03	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.0050	NVA	NVA	7.0E-01	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.0050	NVA	NVA	2.9E-01	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.0050	NVA	NVA	3.1E+01	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.0050	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	0.001	1	U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.4E+02	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.0050	NVA	NVA	2.0E-02	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.0050	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	0.001	1	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.0050	NVA	NVA	6.0E+01	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.0050	NVA	NVA	4.7E-01	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.2E+02	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.0050	NVA	NVA	7.1E+01	0.005	1	U	U	0.006	1	U	0.005	1	U
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00	0.005	1	U	U	0.006	1	U	0.005	1	U

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE								Applicable TCEQ Risk-Based	55SB02	55SB03	55SB03									
SAMPLE_NO					Background		55-SB02-3_5		55-SB03-1-2 °	55-SB03-3_0 °										
SAMPLE_DATE	TCEQ				Concentrations in Soil		27-Sep-06		27-Sep-06	27-Sep-06										
FK_DEPTH	Medium-Specific				(95% UPL, mg/kg) ^b		REG		REG	REG										
SAMPLE_PURPOSE	Concentration (MSC)				Surface Subsurface		3_5 - 3_5 Ft		1 - 2 Ft	3 - 3 Ft										
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.0050	NVA	NVA	7.5E+00	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.0050	NVA	NVA	4.2E+00	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.0100	NVA	NVA	6.1E+03	0.011	1	U	U	0.012	1	U		0.011	1	U	
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.0100	NVA	NVA	2.6E-01	0.011	1	U	U	0.012	1	U		0.011	1	U	
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.0005	0.0050	NVA	NVA	2.0E+02	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.0100	NVA	NVA	8.7E+01	0.011	1	U	U	0.012	1	U		0.011	1	U	
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.0005	0.0050	NVA	NVA	4.8E+00	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.0100	NVA	NVA	2.5E+03	0.011	1	U	U	0.012	1	U		0.017	1		
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.0005	0.0050	NVA	NVA	1.6E+02	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.0005	0.0050	NVA	NVA	3.4E+02	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.0050	NVA	NVA	4.6E-01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.0050	NVA	NVA	3.6E+00	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.0100	NVA	NVA	4.9E+00	0.011	1	U	U	0.012	1	U		0.011	1	U	
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.0100	NVA	NVA	4.1E+03	0.011	1	U	U	0.012	1	U		0.011	1	U	
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.0050	NVA	NVA	5.2E-01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.0100	NVA	NVA	3.8E+00	0.011	1	U	U	0.012	1	U		0.011	1	U	
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.0050	NVA	NVA	5.3E-01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.0050	NVA	NVA	3.4E+00	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.0005	0.0050	NVA	NVA	3.8E+01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.0100	NVA	NVA	2.0E+03	0.011	1	U	U	0.012	1	U		0.011	1	U	
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.0050	NVA	NVA	7.0E+01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0005	0.0050	NVA	NVA	2.0E+00	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	m,p-Xylenes	3.3E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.0100	NVA	NVA	8.2E+02	0.011	1	U	U	0.012	1	U		0.011	1	U	
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0005	0.0100	NVA	NVA	2.0E+02	0.011	1	U	U	0.012	1	U		0.011	1	U	
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	0.005	1	U	U	0.006	1	U		0.001	1	J	
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.0050	NVA	NVA	1.0E+02	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.006	1	U		0.005	1	U	
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.0100	NVA	NVA	3.1E+03	0.011	1	U	U	0.012	1	U		0.011	1	U	
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.0010	0.0100	NVA	NVA	8.0E+02	0.011	1	U	U	0.012	1	U		0.011	1	U	
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.0100	NVA	NVA	6.6E-02	0.011	1	U	U	0.012	1	U		0.011	1	U	

Notes:

Blank cells indicate sample was not analyzed for that chemical.

Concentration exceeds Applicable MSC.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

e Value shown is the lowest of MSCs for >12-16C, >16-21 C, and >21-35 C (aromatic) boiling fraction of total petroleum hydrocarbons,

H Estimate is high.

J Estimated value. Chemical was detected above the method detection limit but below the MQL.

L Estimate is low.

NE Value not established

NVA No value available

REG Regular Sample

U Compound validated as not detected above MDL shown.

95% UPL 95 per cent Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE												55SB04		55SB04		55SB05		
SAMPLE_NO								Background		Applicable TCEQ Risk-Based MSC ^c		55-SB04-1-2		55-SB04-5-6		55-SB05-1-2		
SAMPLE_DATE								Concentrations in Soil				27-Sep-06		27-Sep-06		28-Sep-06		
FK_DEPTH								(95% UPL, mg/kg) ^b				REG		REG		REG		
SAMPLE_PURPOSE		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	Surface Subsurface				1 - 2 Ft		5 - 6 Ft		1 - 2 Ft				
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft			Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.100	0.250	NVA	NVA	3.1E+02		0.249	1	U	U	0.248	1	U	U	
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.100	0.250	NVA	NVA	1.0E+00		0.249	1	U	U	0.248	1	U	U	
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.100	0.250	NVA	NVA	5.1E+00		0.249	1	U	U	0.248	1	U	U	
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.250	NVA	NVA	2.5E-01		0.110	1	U	U	0.110	1	U	U	
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.260	NVA	NVA	2.6E-01		0.110	1	U	U	0.110	1	U	U	
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00		0.259	1	U	U	0.257	1	U	U	
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00		0.259	1	U	U	0.257	1	U	U	
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.100	2.200	NVA	NVA	1.0E+02		2.190	1	U	U	2.180	1	U	U	
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02		0.249	1	U	U	0.248	1	U	U	
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.130	0.260	NVA	NVA	5.1E+00		0.259	1	U	U	0.257	1	U	U	
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02		0.249	1	U	UJL	0.248	1	U	UJL	
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02		0.249	1	U	U	0.248	1	U	U	
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.100	1.000	NVA	NVA	2.6E+00		0.995	1	U	U	0.990	1	U	U	
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.200	0.650	NVA	NVA	1.0E+02		0.647	1	U	U	0.644	1	U	U	
METALS	Aluminum	1.0E+06	1.0E+04	10.000	20.00	1.63E+04	2.08E+04	1.6E+04										
METALS	Antimony	4.9E+02	6.0E-01	0.500	0.10	9.40E-01	1.60E+00	9.4E-01										
METALS	Arsenic	2.0E+02	1.0E+00	0.075	0.30	4.81E+00	5.54E+00	4.8E+00										
METALS	Barium	1.7E+05	2.0E+02	0.075	0.30	1.52E+02	8.54E+01	2.0E+02										
METALS	Beryllium	2.7E+02	4.0E-01	0.012	0.50	6.45E-01	7.66E-01	6.5E-01										
METALS	Cadmium	1.5E+03	5.0E-01	0.025	0.10	1.40E+00	4.00E-01	5.0E-01										
METALS	Calcium	NE	NE	NA	NA	--	--	--										
METALS	Chromium	3.5E+05	1.0E+01	0.100	0.40	2.66E+01	3.01E+01	2.7E+01										
METALS	Cobalt	1.1E+05	6.1E+02	0.125	0.50	7.23E+00	5.61E+00	6.1E+02										
METALS	Copper	7.4E+04	1.3E+02	0.150	0.60	5.55E+00	9.25E+00	1.3E+02										
METALS	Iron	NE	NE	NA	NA	--	--	--										
METALS	Lead	1.0E+03	1.5E+00	0.500	5.00	2.26E+01	1.14E+01	1.1E+01										
METALS	Magnesium	NE	NE	NA	NA	--	--	--										
METALS	Manganese	1.1E+05	1.4E+03	0.050	0.20	1.25E+03	2.01E+02	1.4E+03										
METALS	Mercury	1.5E-01	2.0E-01	0.010	0.25	8.19E-02	3.60E-01	2.5E-01										
METALS	Nickel	1.2E+04	2.0E+02	0.200	0.80	6.98E+00	1.16E+01	2.0E+02										
METALS	Potassium	NE	NE	NA	NA	--	--	--										
METALS	Selenium	9.3E+03	5.0E+00	0.100	0.20	3.48E+00	5.56E+00	5.0E+00										
METALS	Silver	2.9E+03	5.1E+01	0.050	0.20	3.10E-01	3.70E-01	5.1E+01										
METALS	Sodium	NE	NE	NA	NA	--	--	--										
METALS	Thallium	NE	2.0E-01	0.010	0.02	NVA	NVA	2.0E-01										
METALS	Vanadium	3.0E+03	7.2E+01	0.125	0.50	3.21E+01	4.46E+01	7.2E+01										
METALS	Zinc	4.1E+05	3.1E+03	0.625	2.50	6.16E+01	2.02E+01	3.1E+03										
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.01	NVA	NVA	7.2E+00		0.100	1	U	U	0.100	1	U	U	
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.1650	NVA	NVA	7.0E+00							1.77E-01	1	U	0.178
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.1650	NVA	NVA	6.0E+01							1.77E-01	1	U	0.178
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.1650	NVA	NVA	7.1E+01							1.77E-01	1	U	0.178
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.1650	NVA	NVA	7.5E+00							1.77E-01	1	U	0.178
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03							1.77E-01	1	U	0.178
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00							1.77E-01	1	U	0.178
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01							1.77E-01	1	U	0.178
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02							1.77E-01	1	U	0.178
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01							8.84E-01	1	U	0.89
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01							9.02E-02	1	U	0.016
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01							9.02E-02	1	U	0.016
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02							1.77E-01	1	U	0.178
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01							1.77E-01	1	U	0.178
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01							1.77E-01	1	U	0.178
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02							1.77E-01	1	U	0.178
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00							8.84E-01	1	U	0.89
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00							1.77E-01	1	U	0.178
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01							1.80E-01	1	U	0.0642
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00							8.84E-01	1	U	0.89
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01							8.84E-01	1	U	0.89
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01							9.02E-02	1	U	0.016
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01							1.77E-01	1	U	0.178
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01							1.77E-01	1	U	0.178
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01							9.02E-02	1	U	0.016
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01							1.77E-01	1	U	0.178
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00							8.84E-01	1	U	0.89

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE								Background		Applicable TCEQ Risk-Based	55SB04			55SB04			55SB05			
SAMPLE_NO								Concentrations in Soil			55-SB04-1-2			55-SB04-5-6			55-SB05-1-2			
SAMPLE_DATE		TCEQ						(95% UPL, mg/kg) ^b			27-Sep-06			27-Sep-06			28-Sep-06			
FK_DEPTH		Medium-Specific						Surface			REG			REG			REG			
SAMPLE_PURPOSE		Concentration (MSC)						Subsurface			1 - 2 Ft			5 - 6 Ft			1 - 2 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Method Detection	Method Quantitation	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01					8.84E-01	1	U		0.89			
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01					1.77E-01	1	U		0.178			
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02					1.77E-01	1	U		0.178			
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03					1.77E-01	1	U		0.178			
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01					9.02E-02	1	U		0.016			
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54E-02	NVA	1.7E-01					9.02E-02	1	U		0.016			
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01					9.02E-02	1	U		0.016			
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23E-02	NVA	3.1E+02					1.77E-01	1	U		0.178			
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30E-02	NVA	3.9E-01					1.77E-01	1	U		0.178			
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.3300	0.8250	NVA	NVA	4.1E+04					8.84E-01	1	U		0.89			
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03					1.77E-01	1	U		0.178			
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01					9.02E-02	1	U		0.016			
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01					9.02E-02	1	U		0.016			
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00					1.77E-01	1	U		0.178			
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01					1.77E-01	1	U		0.178			
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03					1.77E-01	1	U		0.178			
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51E-02	NVA	3.9E+00					1.77E-01	1	U		0.178			
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01					9.02E-02	1	U		0.016			
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01					1.77E-01	1	U		0.178			
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03					1.77E-01	1	U		0.178			
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03					1.77E-01	1	U		0.178			
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03					1.77E-01	1	U		0.114			
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02					1.77E-01	1	U		0.178			
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29E-02	NVA	4.1E+02					1.77E-01	1	U		0.178			
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02					1.77E-01	1	U		0.178			
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01					9.02E-02				0.016			
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00					1.77E-01	1	U		0.178			
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00					1.77E-01	1	U		0.178			
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01					1.77E-01	1	U		0.178			
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43E-02	NVA	1.7E-01					9.02E-02	1	U		0.016			
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02					1.77E-01	1	U		0.178			
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02					1.77E-01	1	U		0.178			
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00					1.77E-01	1	U		0.178			
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01					9.02E-02	1	U		0.016			
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00					1.77E-01	1	U		0.178			
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.8250	NVA	NVA	8.3E-01					3.61E-01	1	U		0.321			
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.1650	NVA	NVA	3.1E+02					1.77E-01	1	U		0.178			
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03					1.77E-01	1	U		0.178			
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02					1.77E-01	1	U		0.178			
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	90.6 1.0				90.9 1.0				91.5 1			
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.0050	NVA	NVA	1.1E+01					6.09E-03	1	U		0.0054			
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.0050	NVA	NVA	2.0E+01					6.09E-03	1	U		0.0054			
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.0050	NVA	NVA	1.4E+00					6.09E-03	1	U		0.0054			
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01					6.09E-03	1	U		0.0054			
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.0050	NVA	NVA	1.0E+03					6.09E-03	1	U		0.0054			
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.0050	NVA	NVA	7.0E-01					6.09E-03	1	U		0.0054			
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.0050	NVA	NVA	2.9E-01					6.09E-03	1	U		0.0054			
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.0050	NVA	NVA	3.1E+01					6.09E-03	1	U		0.0054			
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.0050	NVA	NVA	5.0E-03					1.09E-03	1	U		6E-06			
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00					6.09E-03	1	U		0.0054			
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.4E+02					6.09E-03	1	U		0.0054			
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.0050	NVA	NVA	2.0E-02					6.09E-03	1	U		0.0054			
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.0050	NVA	NVA	5.0E-03					5.46E-04	1	U		3E-06			
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.0050	NVA	NVA	6.0E+01					6.09E-03	1	U		0.0054			
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.0050	NVA	NVA	4.7E-01					6.09E-03	1	U		0.0054			
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01					6.09E-03	1	U		0.0054			
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03					6.09E-03	1	U		0.0054			
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.2E+02					6.09E-03	1	U		0.0054			
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.0050	NVA	NVA	7.1E+01					6.09E-03	1	U		0.0054			
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00					6.09E-03	1	U		0.0054			

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE										55SB04	55SB04	55SB05					
SAMPLE_NO						Background		Applicable TCEQ Risk-Based	55-SB04-1-2			55-SB04-5-6			55-SB05-1-2		
SAMPLE_DATE		TCEQ				Concentrations in Soil			27-Sep-06			27-Sep-06			28-Sep-06		
FK_DEPTH		Medium-Specific				(95% UPL, mg/kg) ^b			REG			REG			REG		
SAMPLE_PURPOSE		Concentration (MSC)				Surface			1 - 2 Ft			5 - 6 Ft			1 - 2 Ft		
		Method				Subsurface											
		Detection				Quantitation											
		Limit (MDL)				Limit (MQL)											

Notes:

Blank cells indicate sample was not analyzed for that chemical.

Concentration exceeds Applicable MSC.a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

e Value shown is the lowest of MSCs for >12-16C, >16-21 C, and >21-35 C (aromatic) boiling fraction of total petroleum hydrocarbons.

H Estimate is high.

J Estimated value. Chemical was detected above the method detection limit but below the MQL.

L Estimate is low.

NE Value not established

NVA No value available

REG Regular Sample

U Compound validated as not detected above MDL shown.

95% UPL 95 per cent Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	55SB05				55SB06				55SB06			
SAMPLE_NO						Background			55-SB05-2_5				55-SB06-(1-2)				55-SB06-(5-6)			
SAMPLE_DATE		TCEQ				Concentrations in Soil			28-Sep-06				27-Sep-06				27-Sep-06			
FK_DEPTH		Medium-Specific		Method	Method	(95% UPL, mg/kg) ^b			REG				REG				REG			
SAMPLE_PURPOSE		Concentration (MSC)		Detection	Quantitation	Surface	Subsurface		2_5 - 2_5 Ft				1 - 2 Ft				5 - 6 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.100	0.250	NVA	NVA	3.1E+02	0.239	1	U	U	0.244	1	U	U				
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.100	0.250	NVA	NVA	1.0E+00	0.239	1	U	U	0.244	1	U	U				
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.100	0.250	NVA	NVA	5.1E+00	0.239	1	U	U	0.244	1	U	U				
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.250	NVA	NVA	2.5E-01	0.107	1	U	U	0.108	1	U	U				
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.260	NVA	NVA	2.6E-01	0.107	1	U	U	0.108	1	U	U				
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.249	1	U	U	0.254	1	U	U				
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.249	1	U	U	0.254	1	U	U				
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.100	2.200	NVA	NVA	1.0E+02	2.110	1	U	U	2.150	1	U	U				
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.239	1	U	U	0.244	1	U	U				
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.130	0.260	NVA	NVA	5.1E+00	0.249	1	U	U	0.254	1	U	U				
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.239	1	U	U	0.244	1	U	U	U	U	U	
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.239	1	U	U	0.244	1	U	U				
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.100	1.000	NVA	NVA	2.6E+00	0.957	1	U	U	0.976	1	U	U				
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.200	0.650	NVA	NVA	1.0E+02	0.622	1	U	U	0.634	1	U	U				
METALS	Aluminum	1.0E+06	1.0E+04	10.000	20.00	1.63E+04	2.08E+04	1.6E+04												
METALS	Antimony	4.9E+02	6.0E-01	0.500	0.10	9.40E-01	1.60E+00	9.4E-01												
METALS	Arsenic	2.0E+02	1.0E+00	0.075	0.30	4.81E+00	5.54E+00	4.8E+00												
METALS	Barium	1.7E+05	2.0E+02	0.075	0.30	1.52E+02	8.54E+01	2.0E+02												
METALS	Beryllium	2.7E+02	4.0E-01	0.012	0.50	6.45E-01	7.66E-01	6.5E-01												
METALS	Cadmium	1.5E+03	5.0E-01	0.025	0.10	1.40E+00	4.00E-01	5.0E-01												
METALS	Calcium	NE	NE	NA	NA	--	--	--												
METALS	Chromium	3.5E+05	1.0E+01	0.100	0.40	2.66E+01	3.01E+01	2.7E+01												
METALS	Cobalt	1.1E+05	6.1E+02	0.125	0.50	7.23E+00	5.61E+00	6.1E+02												
METALS	Copper	7.4E+04	1.3E+02	0.150	0.60	5.55E+00	9.25E+00	1.3E+02												
METALS	Iron	NE	NE	NA	NA	--	--	--												
METALS	Lead	1.0E+03	1.5E+00	0.500	5.00	2.26E+01	1.14E+01	1.1E+01												
METALS	Magnesium	NE	NE	NA	NA	--	--	--												
METALS	Manganese	1.1E+05	1.4E+03	0.050	0.20	1.25E+03	2.01E+02	1.4E+03												
METALS	Mercury	1.5E-01	2.0E-01	0.010	0.25	8.19E-02	3.60E-01	2.5E-01												
METALS	Nickel	1.2E+04	2.0E+02	0.200	0.80	6.98E+00	1.16E+01	2.0E+02												
METALS	Potassium	NE	NE	NA	NA	--	--	--												
METALS	Selenium	9.3E+03	5.0E+00	0.100	0.20	3.48E+00	5.56E+00	5.0E+00												
METALS	Silver	2.9E+03	5.1E+01	0.050	0.20	3.10E-01	3.70E-01	5.1E+01												
METALS	Sodium	NE	NE	NA	NA	--	--	--												
METALS	Thallium	NE	2.0E-01	0.010	0.02	NVA	NVA	2.0E-01												
METALS	Vanadium	3.0E+03	7.2E+01	0.125	0.50	3.21E+01	4.46E+01	7.2E+01												
METALS	Zinc	4.1E+05	3.1E+03	0.625	2.50	6.16E+01	2.02E+01	3.1E+03												
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.01	NVA	NVA	7.2E+00	0.100	1	U	U	0.040	1	U	U				
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.1650	NVA	NVA	7.0E+00	1.78E-01	1	U									
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.1650	NVA	NVA	6.0E+01	1.78E-01	1	U									
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.1650	NVA	NVA	7.1E+01	1.78E-01	1	U									
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.1650	NVA	NVA	7.5E+00	1.78E-01	1	U									
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	1.78E-01	1	U									
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00	1.78E-01	1	U									
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01	1.78E-01	1	U									
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	1.78E-01	1	U									
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	8.90E-01	1	U									
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1	U									
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1	U									
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02	1.78E-01	1	U									
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	1.78E-01	1	U									
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	1.78E-01	1	U									
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02	1.78E-01	1	U									
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	8.90E-01	1	U									
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00	1.78E-01	1	U									
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01	1.80E-01	1	U									
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	8.90E-01	1	U									
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	8.90E-01	1	U									
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1	U									
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	1.78E-01	1	U									
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	1.78E-01	1	U									
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1	U									
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	1.78E-01	1	U									
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00	8.90E-01	1	U									

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE								55SB05	55SB06	55SB06
SAMPLE_NO						Background		55-SB05-2_5	55-SB06-(1-2)	55-SB06-(5-6)
SAMPLE_DATE		TCEQ				Concentrations in Soil		28-Sep-06	27-Sep-06	27-Sep-06
FK_DEPTH						(95% UPL, mg/kg) ^b		REG	REG	REG
SAMPLE_PURPOSE						Surface Subsurface		2_5 - 2_5 Ft	1 - 2 Ft	5 - 6 Ft
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MOL)	0 - 0.5 Ft	1.5 - 2.5 Ft	TCEQ Risk-Based MSC ^c	Result ^d	DIL Qual ValQual
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	8.90E-01	1 U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01	1.78E-01	1 U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02	1.78E-01	1 U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	1.78E-01	1 U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01	8.98E-02	1 U
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54E-02	NVA	1.7E-01	8.98E-02	1 U
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01	8.98E-02	1 U
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23E-02	NVA	3.1E+02	1.78E-01	1 U
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30E-02	NVA	3.9E-01	1.78E-01	1 U
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.3300	0.8250	NVA	NVA	4.1E+04	8.90E-01	1 U
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	1.78E-01	1 U
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1 U
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1 U
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00	1.78E-01	1 U
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01	1.78E-01	1 U
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03	1.78E-01	1 U
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51E-02	NVA	3.9E+00	1.78E-01	1 U
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1 U
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	1.78E-01	1 U
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	1.78E-01	1 U
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	1.78E-01	1 U
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	1.14E-01	1 J
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	1.78E-01	1 U
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29E-02	NVA	4.1E+02	1.78E-01	1 U
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02	1.78E-01	1 U
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1 U
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00	1.78E-01	1 U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00	1.78E-01	1 U
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01	1.78E-01	1 U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43E-02	NVA	1.7E-01	8.98E-02	1 U
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02	1.78E-01	1 U
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	1.78E-01	1 U
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00	1.78E-01	1 U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1 U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00	1.78E-01	1 U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.8250	NVA	NVA	8.3E-01	3.59E-01	1 U
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.1650	NVA	NVA	3.1E+02	1.78E-01	1 U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	1.78E-01	1 U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02	1.78E-01	1 U
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	91.9	1
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.0050	NVA	NVA	1.1E+01	5.42E-03	1 U
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.0050	NVA	NVA	2.0E+01	5.42E-03	1 U
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.0050	NVA	NVA	1.4E+00	5.42E-03	1 U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	5.42E-03	1 U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.0050	NVA	NVA	1.0E+03	5.42E-03	1 U
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.0050	NVA	NVA	7.0E-01	5.42E-03	1 U
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.0050	NVA	NVA	2.9E-01	5.42E-03	1 U
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.0050	NVA	NVA	3.1E+01	5.42E-03	1 U
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.0050	NVA	NVA	5.0E-03	1.09E-03	1 U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00	5.42E-03	1 U
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.4E+02	5.42E-03	1 U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.0050	NVA	NVA	2.0E-02	5.42E-03	1 U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.0050	NVA	NVA	5.0E-03	5.44E-04	1 U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.0050	NVA	NVA	6.0E+01	5.42E-03	1 U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.0050	NVA	NVA	4.7E-01	5.42E-03	1 U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	5.42E-03	1 U
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	5.42E-03	1 U
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.2E+02	5.42E-03	1 U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.0050	NVA	NVA	7.1E+01	5.42E-03	1 U
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00	5.42E-03	1 U

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE								55SB05	55SB06	55SB06
SAMPLE_NO						Background		55-SB05-2_5	55-SB06-(1-2)	55-SB06-(5-6)
SAMPLE_DATE		TCEQ				Concentrations in Soil		28-Sep-06	27-Sep-06	27-Sep-06
FK_DEPTH						(95% UPL, mg/kg) ^b		REG	REG	REG
SAMPLE_PURPOSE						Surface Subsurface		2_5 - 2_5 Ft	1 - 2 Ft	5 - 6 Ft
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL Qual ValQual Result ^d DIL Qual ValQual Result ^d DIL Qual ValQual
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.0050	NVA	NVA	7.5E+00	5.42E-03	1 U
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.0050	NVA	NVA	4.2E+00	5.42E-03	1 U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.0100	NVA	NVA	6.1E+03	1.08E-02	1 U
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.0100	NVA	NVA	2.6E-01	1.08E-02	1 U
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.0005	0.0050	NVA	NVA	2.0E+02	5.42E-03	1 U
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.0100	NVA	NVA	8.7E+01	1.08E-02	1 U
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.0005	0.0050	NVA	NVA	4.8E+00	5.42E-03	1 U
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.0100	NVA	NVA	2.5E+03	1.08E-02	1 U
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	5.42E-03	1 U
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.0005	0.0050	NVA	NVA	1.6E+02	5.42E-03	1 U
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.0005	0.0050	NVA	NVA	3.4E+02	5.42E-03	1 U
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.0050	NVA	NVA	4.6E-01	5.42E-03	1 U
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.0050	NVA	NVA	3.6E+00	5.42E-03	1 U
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.0100	NVA	NVA	4.9E+00	1.08E-02	1 U
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	5.42E-03	1 U
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	5.42E-03	1 U
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01	5.42E-03	1 U
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.0100	NVA	NVA	4.1E+03	1.08E-02	1 U
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.0050	NVA	NVA	5.2E-01	5.42E-03	1 U
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.0100	NVA	NVA	3.8E+00	1.08E-02	1 U
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00	5.42E-03	1 U
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.0050	NVA	NVA	5.3E-01	5.42E-03	1 U
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.0050	NVA	NVA	3.4E+00	5.42E-03	1 U
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.0005	0.0050	NVA	NVA	3.8E+01	5.42E-03	1 U
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.0100	NVA	NVA	2.0E+03	1.08E-02	1 U
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.0050	NVA	NVA	7.0E+01	5.42E-03	1 U
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0005	0.0050	NVA	NVA	2.0E+00	5.42E-03	1 U
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	5.42E-03	1 U
VOLATILES	m,p-Xylenes	3.3E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	4.61E-03	1 J
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.0100	NVA	NVA	8.2E+02	1.08E-02	1 U
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.0050	NVA	NVA	5.0E-01	5.42E-03	1 U
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0005	0.0100	NVA	NVA	2.0E+02	1.08E-02	1 U
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02	5.42E-03	1 U
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02	5.42E-03	1 U
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	5.42E-03	1 U
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02	5.42E-03	1 U
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01	5.42E-03	1 U
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02	5.42E-03	1 U
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	5.42E-03	1 U
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.0050	NVA	NVA	1.0E+02	5.42E-03	1 U
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01	5.42E-03	1 U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00	5.42E-03	1 U
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	5.42E-03	1 U
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.0100	NVA	NVA	3.1E+03	1.08E-02	1 U
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.0010	0.0100	NVA	NVA	8.0E+02	1.08E-02	1 U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.0100	NVA	NVA	6.6E-02	1.08E-02	1 U

Notes:

Blank cells indicate sample was not analyzed for that chemical.

Concentration exceeds Applicable MSC.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

e Value shown is the lowest of MSCs for >12-16C, >16-21 C, and >21-35 C (aromatic) boiling fraction of total petroleum hydrocarbons.

H Estimate is high.

J Estimated value. Chemical was detected above the method detection limit but below the MQL.

L Estimate is low.

NE Value not established

NVA No value available

REG Regular Sample

U Compound validated as not detected above MDL shown.

95% UPL 95 per cent Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE									55SB07	55SB07						
SAMPLE_NO						Background		Applicable TCEQ Risk-Based	55-SB07-(1-2)			55-SB07-(5-6)				
SAMPLE_DATE						Concentrations in Soil			27-Sep-06			27-Sep-06				
FK_DEPTH						(95% UPL, mg/kg) ^b			REG			REG				
SAMPLE_PURPOSE						Surface Subsurface			1 - 2 Ft			5 - 6 Ft				
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.100	0.250	NVA	NVA	3.1E+02	0.242	1	U	U	0.240	1	U	U
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.100	0.250	NVA	NVA	1.0E+00	0.242	1	U	U	0.240	1	U	U
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.100	0.250	NVA	NVA	5.1E+00	0.242	1	U	U	0.240	1	U	U
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.250	NVA	NVA	2.5E-01	0.115	1	U	U	0.112	1	U	U
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.260	NVA	NVA	2.6E-01	0.115	1	U	U	0.112	1	U	U
EXPLOSIVES	2-Amino-4, 6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.251	1	U	U	0.250	1	U	U
EXPLOSIVES	4-Amino-2, 6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.251	1	U	U	0.250	1	U	U
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.100	2.200	NVA	NVA	1.0E+02	2.130	1	U	U	2.120	1	U	U
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.242	1	U	U	0.240	1	U	U
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.130	0.260	NVA	NVA	5.1E+00	0.251	1	U	U	0.250	1	U	U
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.242	1	U	UJL	0.240	1	U	UJL
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.242	1	U	U	0.240	1	U	U
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.100	1.000	NVA	NVA	2.6E+00	0.966	1	U	U	0.962	1	U	U
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.200	0.650	NVA	NVA	1.0E+02	0.628	1	U	U	0.625	1	U	U
METALS	Aluminum	1.0E+06	1.0E+04	10.000	20.00	1.63E+04	2.08E+04	1.6E+04								
METALS	Antimony	4.9E+02	6.0E-01	0.500	0.10	9.40E-01	1.60E+00	9.4E-01								
METALS	Arsenic	2.0E+02	1.0E+00	0.075	0.30	4.81E+00	5.54E+00	4.8E+00								
METALS	Barium	1.7E+05	2.0E+02	0.075	0.30	1.52E+02	8.54E+01	2.0E+02								
METALS	Beryllium	2.7E+02	4.0E-01	0.012	0.50	6.45E-01	7.66E-01	6.5E-01								
METALS	Cadmium	1.5E+03	5.0E-01	0.025	0.10	1.40E+00	4.00E-01	5.0E-01								
METALS	Calcium	NE	NE	NA	NA	--	--	--								
METALS	Chromium	3.5E+05	1.0E+01	0.100	0.40	2.66E+01	3.01E+01	2.7E+01								
METALS	Cobalt	1.1E+05	6.1E+02	0.125	0.50	7.23E+00	5.61E+00	6.1E+02								
METALS	Copper	7.4E+04	1.3E+02	0.150	0.60	5.55E+00	9.25E+00	1.3E+02								
METALS	Iron	NE	NE	NA	NA	--	--	--								
METALS	Lead	1.0E+03	1.5E+00	0.500	5.00	2.26E+01	1.14E+01	1.1E+01								
METALS	Magnesium	NE	NE	NA	NA	--	--	--								
METALS	Manganese	1.1E+05	1.4E+03	0.050	0.20	1.25E+03	2.01E+02	1.4E+03								
METALS	Mercury	1.5E-01	2.0E-01	0.010	0.25	8.19E-02	3.60E-01	2.5E-01								
METALS	Nickel	1.2E+04	2.0E+02	0.200	0.80	6.98E+00	1.16E+01	2.0E+02								
METALS	Potassium	NE	NE	NA	NA	--	--	--								
METALS	Selenium	9.3E+03	5.0E+00	0.100	0.20	3.48E+00	5.56E+00	5.0E+00								
METALS	Silver	2.9E+03	5.1E+01	0.050	0.20	3.10E-01	3.70E-01	5.1E+01								
METALS	Sodium	NE	NE	NA	NA	--	--	--								
METALS	Thallium	NE	2.0E-01	0.010	0.02	NVA	NVA	2.0E-01								
METALS	Vanadium	3.0E+03	7.2E+01	0.125	0.50	3.21E+01	4.46E+01	7.2E+01								
METALS	Zinc	4.1E+05	3.1E+03	0.625	2.50	6.16E+01	2.02E+01	3.1E+03								
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.01	NVA	NVA	7.2E+00	0.047	1	J	J	0.200	1	U	U
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.1650	NVA	NVA	7.0E+00								
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.1650	NVA	NVA	6.0E+01								
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.1650	NVA	NVA	7.1E+01								
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.1650	NVA	NVA	7.5E+00								
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03								
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00								
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01								
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02								
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01								
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01								
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01								
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02								
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01								
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01								
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02								
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00								
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00								
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01								
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00								
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01								
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01								
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01								
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01								
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01								
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01								
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00								

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE						55SB07		55SB07	
SAMPLE_NO						55-SB07-(1-2)		55-SB07-(5-6)	
SAMPLE_DATE						27-Sep-06		27-Sep-06	
FK_DEPTH						REG		REG	
SAMPLE_PURPOSE						1 - 2 Ft		5 - 6 Ft	
Test Group	Parameter (Units = mg/kg)	TCEQ		Method Detection	Method Quantitation	Background Concentrations in Soil (95% UPL, mg/kg) ^b		Applicable TCEQ Risk-Based	Result ^d
		SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft Surface	1.5 - 2.5 Ft Subsurface	MSC ^c	DIL Qual ValQual
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01	
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02	
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01	
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54E-02	NVA	1.7E-01	
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01	
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23E-02	NVA	3.1E+02	
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30E-02	NVA	3.9E-01	
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.3300	0.8250	NVA	NVA	4.1E+04	
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00	
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01	
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03	
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51E-02	NVA	3.9E+00	
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01	
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29E-02	NVA	4.1E+02	
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02	
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00	
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00	
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01	
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43E-02	NVA	1.7E-01	
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02	
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00	
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01	
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00	
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.8250	NVA	NVA	8.3E-01	
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.1650	NVA	NVA	3.1E+02	
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02	
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	86.7 1
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.0050	NVA	NVA	1.1E+01	88.9 1
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.0050	NVA	NVA	2.0E+01	
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.0050	NVA	NVA	1.4E+00	
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.0050	NVA	NVA	1.0E+03	
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.0050	NVA	NVA	7.0E-01	
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.0050	NVA	NVA	2.9E-01	
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.0050	NVA	NVA	3.1E+01	
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.0050	NVA	NVA	5.0E-03	
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00	
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.4E+02	
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.0050	NVA	NVA	2.0E-02	
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.0050	NVA	NVA	5.0E-03	
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.0050	NVA	NVA	6.0E+01	
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.0050	NVA	NVA	4.7E-01	
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.2E+02	
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.0050	NVA	NVA	7.1E+01	
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00	

Table 4
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-55

LOCATION_CODE						Background		Applicable TCEQ Risk-Based MSC ^c	55SB07			55SB07		
SAMPLE_NO						Concentrations in Soil			55-SB07-(1-2)			55-SB07-(5-6)		
SAMPLE_DATE		TCEQ				(95% UPL, mg/kg) ^b			27-Sep-06			27-Sep-06		
FK_DEPTH		Medium-Specific				Surface			REG			REG		
SAMPLE_PURPOSE		Concentration (MSC)				Subsurface			1 - 2 Ft			5 - 6 Ft		
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft		Result ^d					
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.0050	NVA	NVA	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.0050	NVA	NVA							
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.0100	NVA	NVA							
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.0100	NVA	NVA							
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.0005	0.0050	NVA	NVA							
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.0100	NVA	NVA							
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.0005	0.0050	NVA	NVA							
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.0100	NVA	NVA							
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA							
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.0005	0.0050	NVA	NVA							
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.0005	0.0050	NVA	NVA							
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.0050	NVA	NVA							
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.0050	NVA	NVA							
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.0100	NVA	NVA							
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.0050	NVA	NVA							
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.0050	NVA	NVA							
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.0050	NVA	NVA							
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.0100	NVA	NVA							
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.0050	NVA	NVA							
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.0100	NVA	NVA							
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.0050	NVA	NVA							
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.0050	NVA	NVA							
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.0050	NVA	NVA							
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.0005	0.0050	NVA	NVA							
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.0100	NVA	NVA							
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.0050	NVA	NVA							
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0005	0.0050	NVA	NVA							
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.0050	NVA	NVA							
VOLATILES	m,p-Xylenes	3.3E+03	1.0E+03	0.0005	0.0050	NVA	NVA							
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.0100	NVA	NVA							
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.0050	NVA	NVA							
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0005	0.0100	NVA	NVA							
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.0005	0.0050	NVA	NVA							
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.0005	0.0050	NVA	NVA							
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.0005	0.0050	NVA	NVA							
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.0005	0.0050	NVA	NVA							
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.0050	NVA	NVA							
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.0005	0.0050	NVA	NVA							
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.0050	NVA	NVA							
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.0050	NVA	NVA							
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.0050	NVA	NVA							
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA							
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA							
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.0100	NVA	NVA							
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.0010	0.0100	NVA	NVA							
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.0100	NVA	NVA							

Notes:

Blank cells indicate sample was not analyzed for that chemical.

Concentration exceeds Applicable MSC.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC8335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

e Value shown is the lowest of MSCs for >12-16C, >16-21 C, and >21-35 C (aromatic) boiling fraction of total petroleum hydrocarbons,

H Estimate is high.

J Estimated value. Chemical was detected above the method detection limit but below the MQL.

L Estimate is low.

NE Value not established

NVA No value available

REG Regular Sample

U Compound validated as not detected above MDL shown.

95% UPL 95 per cent Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 5
Comparison of Chemical Concentrations Detected in Soil to Medium Specific Concentrations
LHAAP-64

LOCATION_CODE		Background Concentrations in Soil						Applicable TCEQ Risk-Based MSC ^c	64SB01			64SB01			64SB01					
SAMPLE_NO		TCEQ		Method Detection		Method Quantitation			64SB01-01 29-Aug-06			64SB01-01-QC 29-Aug-06			64SB01-02 29-Aug-06					
SAMPLE_DATE		Medium-Specific Concentration (MSC)		Limit (MDL)		Limit (MDL)			REG 00.5 - 1 Ft			FD 00.5 - 1 Ft			REG 3.5 - 4 Ft					
FK_DEPTH		Concentration (mg/kg)		Surface		Subsurface														
SAMPLE_PURPOSE																				
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MDL)	0 - 0.5 Ft	1.5 - 2.5 Ft													
PCBS	Aroclor 1016	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
PCBS	Aroclor 1221	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
PCBS	Aroclor 1232	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
PCBS	Aroclor 1242	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
PCBS	Aroclor 1248	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
PCBS	Aroclor 1254	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
PCBS	Aroclor 1260	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	50.6	1	J	J	36.4	1	J	J	31.0	1	J	J
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	68.9	1		B	39.3	1	J	B	58.2	1	U	U
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	54.5	1	U	U	55.2	1	U	U	58.2	1	U	U
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.08250	0.16500	NVA	NVA	7.0E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.08250	0.16500	NVA	NVA	6.0E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.08250	0.16500	NVA	NVA	7.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.08250	0.16500	NVA	NVA	7.5E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.08250	0.16500	NVA	NVA	1.0E+03	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.08250	0.16500	NVA	NVA	2.6E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.08250	0.16500	NVA	NVA	3.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.08250	0.16500	NVA	NVA	8.2E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.08250	0.16500	NVA	NVA	5.1E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.08250	0.16500	NVA	NVA	3.1E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.16500	0.33000	NVA	NVA	3.3E-01	0.9187	5	U	U	0.9187	5	U	U	0.1837	1	U	U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.33000	0.82500	NVA	NVA	7.5E+00	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.08250	0.16500	NVA	NVA	3.0E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.08250	0.16500	NVA	NVA	6.1E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.08250	0.16500	1.54E-02	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.08250	0.16500	1.23E-02	NVA	3.1E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.08250	0.16500	1.30E-02	NVA	3.9E-01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.33000	0.82500	NVA	NVA	4.1E+04	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.5E+02	4.1E+00	0.08250	0.16500	NVA	NVA	4.1E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.08250	0.16500	NVA	NVA	6.0E-01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.08250	0.16500	NVA	NVA	2.0E+03	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.08250	0.16500	1.51E-02	NVA	3.9E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.08250	0.16500	NVA	NVA	8.2E+03	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.08250	0.16500	NVA	NVA	8.2E+03	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.08250	0.16500	NVA	NVA	1.0E+03	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.08250	0.16500	2.29E-02	NVA	4.1E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.08250	0.16500	NVA	NVA	4.1E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.08250	0.16500	NVA	NVA	2.0E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.08250	0.16500	NVA	NVA	5.0E+00	0.9180	5	U	U	0.8960	5						

Table 5
Comparison of Chemical Concentrations Detected in Soil to Medium Specific Concentrations
LHAAP-64

LOCATION_CODE										64SB01		64SB01		64SB01						
SAMPLE_NO								Background Concentrations in Soil		Applicable		64SB01-01 29-Aug-06		64SB01-01-QC 29-Aug-06		64SB01-02 29-Aug-06				
SAMPLE_DATE		TCEQ		Method Detection		Method Quantitation		(95% UPL, mg/kg) ^b		TCEQ Risk-Based		REG 00.5 - 1 Ft		FD 00.5 - 1 Ft		REG 3.5 - 4 Ft				
FK_DEPTH		Medium-Specific Concentration (MSC)						Surface Subsurface		MSC ^c		Result ^d		Result ^d		Result ^d				
SAMPLE_PURPOSE		Parameter (Units = mg/kg)		Limit (MDL)		Limit (MQL)		0 - 0.5 Ft 1.5 - 2.5 Ft				DIL Qual ValQual		DIL Qual ValQual		DIL Qual ValQual				
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft													
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.08250	0.16500	NVA	NVA	1.0E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.08250	0.16500	1.43E-02	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.08250	0.16500	NVA	NVA	3.0E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.08250	0.16500	NVA	NVA	5.1E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.08250	0.16500	NVA	NVA	5.8E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.33000	0.82500	NVA	NVA	8.3E-01	1.8374	5	U	U	1.8374	5	U	U	0.3675	1	U	U
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.08250	0.16500	NVA	NVA	3.1E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.08250	0.16500	1.94E-02	NVA	3.1E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	89.8	1			89.8	1			89.8	1		
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.00050	0.00500	NVA	NVA	1.1E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.00050	0.00500	NVA	NVA	2.0E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.00050	0.00500	NVA	NVA	1.4E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.00100	0.00500	NVA	NVA	1.0E+03	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.00050	0.00500	NVA	NVA	7.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.00050	0.00500	NVA	NVA	2.9E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.00050	0.00500	NVA	NVA	3.1E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.00100	0.00500	NVA	NVA	5.0E-03	0.0011	1	U	U	0.0011	1	U	U	0.0011	1	U	U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.00050	0.00500	NVA	NVA	7.0E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.00050	0.00500	NVA	NVA	1.4E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.00200	0.00500	NVA	NVA	2.0E-02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.00050	0.00500	NVA	NVA	5.0E-03	0.0006	1	U	U	0.0006	1	U	U	0.0006	1	U	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.00050	0.00500	NVA	NVA	6.0E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.00050	0.00500	NVA	NVA	4.7E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.00050	0.00500	NVA	NVA	1.2E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.00050	0.00500	NVA	NVA	7.1E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.00050	0.00500	NVA	NVA	2.9E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.00050	0.00500	NVA	NVA	7.5E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.00050	0.00500	NVA	NVA	4.2E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.00250	0.01000	NVA	NVA	6.1E+03	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.00200	0.01000	NVA	NVA	2.6E-01	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.00050	0.00500	NVA	NVA	2.0E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.00250	0.01000	NVA	NVA	8.7E+01	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.00050	0.00500	NVA	NVA	4.8E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Acetone	2.5E+03	9.2E+03	0.00500	0.01000	NVA	NVA	2.5E+03	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Benzene	1.6E+00	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.00050	0.00500	NVA	NVA	1.6E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.00050	0.00500	NVA	NVA	3.4E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.00050	0.00500	NVA	NVA	4.6E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.00050	0.00500	NVA	NVA	3.6E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.00100	0.01000	NVA	NVA	4.9E+00	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.00100	0.01000	NVA	NVA	4.1E+03	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.00050	0.00500	NVA	NVA	5.2E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.00200	0.01000	NVA	NVA	3.8E+00	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.00050	0.00500	NVA	NVA	7.0E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.00050	0.00500	NVA	NVA	5.3E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.00050	0.00500	NVA	NVA	3.4E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.00050	0.00500	NVA	NVA	3.8E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.00100	0.01000	NVA	NVA	2.0E+03	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.00050	0.00500	NVA	NVA	7.0E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.00050	0.00500	NVA	NVA	2.0E+00	0.0054	1	U	U	0.0052	1	U					

Table 5
Comparison of Chemical Concentrations Detected in Soil to Medium Specific Concentrations
LHAAP-64

LOCATION_CODE						Applicable TCEQ Risk-Based MSC ^c		64SB01		64SB01				64SB01						
SAMPLE_NO		TCEQ		Method				Background Concentrations in Soil		64SB01-01		64SB01-01-QC				64SB01-02				
SAMPLE_DATE										29-Aug-06		29-Aug-06				29-Aug-06				
FK_DEPTH		Medium-Specific Concentration (MSC)		Detection				(95% UPL, mg/kg) ^b		REG		FD				REG				
SAMPLE_PURPOSE								Surface Subsurface		00.5 - 1 Ft		00.5 - 1 Ft				3.5 - 4 Ft				
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)			0 - 0.5 Ft	1.5 - 2.5 Ft	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Styrene	2.3E+04	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Toluene	2.5E+04	1.0E+02	0.00050	0.00500	NVA	NVA	1.0E+02	0.0018	1	J	J	0.0015	1	J	J	0.0006	1	J	J
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.00050	0.00500	NVA	NVA	2.9E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.00100	0.01000	NVA	NVA	3.1E+03	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.00100	0.01000	NVA	NVA	8.0E+02	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.00100	0.01000	NVA	NVA	6.6E-02	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U

Notes:

Blank cells indicate sample was not analyzed for that chemical.

Concentration exceeds Applicable MSC

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available at:

<http://www.tceq.state.tx.us/remediation/rrr.htm>

b Lower of surface and subsurface soil background concentrations used in these comparisons.

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§33.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factor.

Shading indicates the SDL values that exceed the Applicable MSC.

e Sample was chosen for SPLP analysis by SW-846 method 1312.

f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbon: given in TCEQ March 2006 guidance.

g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

h MSC value shown is for m-xylene, the more conservative of m- and p-xylene isomers.

B: Chemical detected in blank.

FD: Field duplicate

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 5
Comparison of Chemical Concentrations Detected in Soil to Medium Specific Concentrations
LHAAP-64

LOCATION_CODE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Table 5
Comparison of Chemical Concentrations Detected in Soil to Medium Specific Concentrations
LHAAP-64

LOCATION_CODE											64SB02										64SB02										64SB03										64SB03																																																											
SAMPLE_NO											64SB02-01										64SB02-02										64SB03-01 *										64SB03-02																																																											
SAMPLE_DATE	TCEQ										Background Concentrations in Soil										Applicable										29-Aug-06										29-Aug-06																																																											
FK_DEPTH	Medium-Specific										Method										(95% UPL, mg/kg) ^b										TCEQ										REG										REG										REG																																							
SAMPLE_PURPOSE	Concentration (MSC)										Detection										Quantitation										Surface										Subsurface										Risk-Based										0.5 - 1 Ft										3.5 - 4 Ft										0.5 - 1 Ft										3.5 - 4 Ft									
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MDL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MOE ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual																																																																				
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.08250	0.16500	N/A	N/A	1.0E+01	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U																																																																				
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.08250	0.16500	1.43E-02	N/A	1.7E-01	0.1837	2	U	U	0.0919	1	U	U	0.4594	5	U	U	0.4594	5	U	U	0.4594	5	U	U	0.4594	5	U	U																																																																				
SEMIVOLATILES	Isophorone	3.0E+04	3.0E-02	0.08250	0.16500	N/A	N/A	3.0E+02	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U																																																																				
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E-02	0.08250	0.16500	N/A	N/A	2.0E+02	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U																																																																				
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.08250	0.16500	N/A	N/A	5.1E+00	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U																																																																				
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.08250	0.16500	N/A	N/A	1.7E-01	0.1837	2	U	U	0.0919	1	U	U	0.4594	5	U	U	0.4594	5	U	U	0.4594	5	U	U	0.4594	5	U	U																																																																				
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.08250	0.16500	N/A	N/A	5.8E+00	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U																																																																				
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.33000	0.82500	N/A	N/A	8.3E-01	0.7350	2	U	U	0.3675	1	U	U	1.8374	5	U	U	1.8374	5	U	U	1.8374	5	U	U	1.8374	5	U	U																																																																				
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.08250	0.16500	N/A	N/A	3.1E+02	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U																																																																				
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.08250	0.16500	N/A	N/A	3.1E+03	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U																																																																				
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.08250	0.16500	1.94E-02	N/A	3.1E+02	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U	0.9180	5	U	U																																																																				
SOLIDS	Percent Solids	N/A	N/A	N/A	N/A	N/A	N/A	-	89.8	1			89.8	1			89.8	1			89.8	1			89.8	1			89.8	1																																																																						
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.00500	0.00500	N/A	N/A	1.1E+01	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.00500	0.00500	N/A	N/A	2.0E+01	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,1,1,2-Tetrachloroethane	9.8E+00	1.4E+00	0.00500	0.00500	N/A	N/A	1.4E+00	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.00500	0.00500	N/A	N/A	5.0E-01	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.00100	0.00500	N/A	N/A	1.0E+03	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.00500	0.00500	N/A	N/A	7.0E-01	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.00500	0.00500	N/A	N/A	2.9E-01	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E-01	0.00500	0.00500	N/A	N/A	3.1E+01	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.00100	0.00500	N/A	N/A	5.0E-03	0.0011	1	U	U	0.0011	1	U	U	0.0011	1	U	U	0.0011	1	U	U	0.0011	1	U	U	0.0011	1	U	U																																																																				
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.00500	0.00500	N/A	N/A	7.0E+00	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.00500	0.00500	N/A	N/A	1.4E+02	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.00200	0.00500	N/A	N/A	2.0E-02	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.00500	0.00500	N/A	N/A	5.0E-03	0.0006	1	U	U	0.0006	1	U	U	0.0006	1	U	U	0.0006	1	U	U	0.0006	1	U	U	0.0006	1	U	U																																																																				
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.00500	0.00500	N/A	N/A	6.0E+01	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.00500	0.00500	N/A	N/A	4.7E-01	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.00500	0.00500	N/A	N/A	5.0E-01	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.00500	0.00500	N/A	N/A	1.0E+03	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.00500	0.00500	N/A	N/A	1.2E+02	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.00500	0.00500	N/A	N/A	7.1E+01	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.00500	0.00500	N/A	N/A	2.9E+00	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.00500	0.00500	N/A	N/A	7.5E+00	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.00500	0.00500	N/A	N/A	4.2E+00	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.00250	0.01000	N/A	N/A	6.1E+03	0.0102	1	U	U	0.0115	1	U	U	0.0105	1	U	U	0.0105	1	U	U	0.0105	1	U	U	0.0105	1	U	U																																																																				
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.00200	0.01000	N/A	N/A	2.6E-01	0.0102	1	U	U	0.0115	1	U	U	0.0105	1	U	U	0.0105	1	U	U	0.0105	1	U	U	0.0105	1	U	U																																																																				
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.00500	0.00500	N/A	N/A	2.0E+02	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.00250	0.01000	N/A	N/A	8.7E+01	0.0102	1	U	U	0.0115	1	U	U	0.0105	1	U	U	0.0105	1	U	U	0.0105	1	U	U	0.0105	1	U	U																																																																				
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.00500	0.00500	N/A	N/A	4.8E+00	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	Acetone	2.5E+03	9.2E+03	0.00500	0.01000	N/A	N/A	2.5E+03	0.0102	1	U	U	0.0115	1	U	U	0.0105	1	U	U	0.0105	1	U	U	0.0105	1	U	U	0.0105	1	U	U																																																																				
VOLATILES	Benzene	1.6E+00	5.0E-01	0.00500	0.00500	N/A	N/A	5.0E-01	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	Bromobenzene	1.6E+02	2.0E-02	0.00500	0.00500	N/A	N/A	1.6E+02	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.00500	0.00500	N/A	N/A	3.4E+02	0.0051	1	U	U	0.0058	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U	0.0053	1	U	U																																																																				
VOLATILES																																																																																																				

Table 5
Comparison of Chemical Concentrations Detected in Soil to Medium Specific Concentrations
LHAAP-64

LOCATION_CODE										64SB02										64SB02										64SB03										64SB03																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Notes:

Blank cells indicate sample was not analyzed for that chemical

Concentration exceeds Applicable MSC

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available at

<http://www.tceq.state.tx.us/remediation/rrr.htm>

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§33i

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factor

Shading indicates the SDL values that exceed the Applicable MSC

e Sample was chosen for SPLP analysis by SW-846 method 1312

f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbon:

given in TCEQ March 2006 guidance

g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons,

given in TCEQ March 2006 guidance

h MSC value shown is for m-xylene, the more conservative of m- and p-xylene isomers.

B: Chemical detected in blank.

FD: Field duplicate

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 6
Comparison of Chemical Concentrations Analyzed in Soil to Medium Specific Concentrations
LHAAP-66

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	1004SS007 ^e 10-Dec-03 0-0.5 ft									1004SS008 10-Dec-03 0-0.5 ft			1004SS009 10-Dec-03 0-0.5 ft			1004SS010 10-Dec-03 0-0.5 ft							
SAMPLE_NO		TCEQ				Background Concentrations in Soil (95% UPL, mg/kg) ^b			Result ^d			Result ^d			Result ^d			Result ^d													
SAMPLE_DATE		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation				DIL			DIL			DIL			DIL													
FK_DEPTH									Qual			Qual			Qual			Qual													
SAMPLE_PURPOSE									U			U			U			U													
Test Group	Parameter (Units =	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft																								
PCBS	Aroclor 1254	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02									0.094			1 U			0.150 1 U			0.039 1 U			0.016 1 J		
PCBS	Aroclor 1260	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02									0.044			1 U			0.041 1 U			0.039 1 U			0.038 1 U		

Notes:

Blank cells indicate sample was not analyzed for that chemical

Concentration exceeds Applicable MSC.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available at <http://www.tceq.state.tx.us/remediation/rrr.html>

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

e Sample was chosen for SPLP analysis by SW-846 method 1312.

J Estimated value. Chemical was detected above the method detection limit but below the MQL.

U Compound validated as not detected above MDL shown.

NVA No value available

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 7
Comparison of Chemical Concentrations in Soil to Medium Specific Concentrations
LHAAP-68

LOCATION_CODE						Background Concentrations in Soil		Applicable TCEQ Risk-Based MSC ^c	68SB01				68SB01				68SB01			
SAMPLE_NO		TCEQ		Method		(95% UPL, mg/kg) ^b			68SB01-01 ^a				68SB01-01-QC				68SB01-02			
SAMPLE_DATE									30-Aug-06				30-Aug-06				30-Aug-06			
SAMPLE_PURPOSE		Medium-Specific		Detection		Quantitation			REG				FD				REG			
FK_DEPTH		Concentration (MSC)							0 - 0.5 Ft				0 - 0.5 Ft				0.5 - 4 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft		Result ^d				Result ^d				Result ^d			
RANGE_ORGANICS	Carbon Range C12-C28 ¹	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	55.9	1	U	U	55.7	1	U	U	58.3	1	U	U
RANGE_ORGANICS	CARBON RANGE C28-C35 ¹	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	55.9	1	U	U	55.7	1	U	U	58.3	1	U	U
RANGE_ORGANICS	Carbon Range C6-C12 ⁹	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	55.9	1	U	U	55.7	1	U	U	58.3	1	U	U
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.08250	0.16500	NVA	NVA	7.0E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.08250	0.16500	NVA	NVA	6.0E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.08250	0.16500	NVA	NVA	7.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.08250	0.16500	NVA	NVA	7.5E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.08250	0.16500	NVA	NVA	1.0E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.08250	0.16500	NVA	NVA	2.6E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.08250	0.16500	NVA	NVA	3.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.08250	0.16500	NVA	NVA	8.2E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.08250	0.16500	NVA	NVA	5.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.08250	0.16500	NVA	NVA	3.1E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.16500	0.33000	NVA	NVA	3.3E-01	1.8644	10	U	U	1.8644	10	U	U	0.1864	1	U	U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.33000	0.82500	NVA	NVA	7.5E+00	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.08250	0.16500	NVA	NVA	3.0E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.08250	0.16500	NVA	NVA	6.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.08250	0.16500	1.54E-02	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.08250	0.16500	1.23E-02	NVA	3.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.08250	0.16500	1.30E-02	NVA	3.9E-01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.33000	0.82500	NVA	NVA	4.1E+04	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.08250	0.16500	NVA	NVA	4.1E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.08250	0.16500	NVA	NVA	6.0E-01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.08250	0.16500	NVA	NVA	2.0E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.08250	0.16500	1.51E-02	NVA	3.9E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.08250	0.16500	NVA	NVA	8.2E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.08250	0.16500	NVA	NVA	8.2E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.08250	0.16500	NVA	NVA	1.0E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.08250	0.16500	2.29E-02	NVA	4.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.08250	0.16500	NVA	NVA	4.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.08250	0.16500	NVA	NVA	2.0E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.08250	0.16500	NVA	NVA	5.0E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.08250	0.16500	NVA	NVA	1.0E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.08250	0.16500	1.43E-02	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.08250	0.16500	NVA	NVA	3.0E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.08250	0.16500	NVA	NVA	5.1E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U

Table 7
Comparison of Chemical Concentrations in Soil to Medium Specific Concentrations
LHAAP-68

LOCATION_CODE								Applicable	68SB01				68SB01				68SB01			
SAMPLE_NO		TCEQ		Background Concentrations in Soil		68SB01-01 ^a				68SB01-01-QC				68SB01-02						
SAMPLE_DATE						30-Aug-06				30-Aug-06				30-Aug-06						
SAMPLE_PURPOSE		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	(95% UPL, mg/kg) ^b			TCEQ		REG		FD		REG					
FK_DEPTH						Surface Subsurface			Risk-Based		0 - 0.5 Ft		0 - 0.5 Ft		0.5 - 4 Ft					
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MOL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.08250	0.16500	NVA	NVA	5.8E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.33000	0.82500	NVA	NVA	8.3E-01	3.7288	10	U	U	3.7288	10	U	U	0.3729	1	U	U
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.08250	0.16500	NVA	NVA	3.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.08250	0.16500	1.94E-02	NVA	3.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U
SOLIDS	Percent Solids	NE	NVA	NVA	NVA	NVA	NVA	--	88.5	1			88.5	1			88.5	1		
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.00050	0.00500	NVA	NVA	1.1E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.00050	0.00500	NVA	NVA	2.0E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.00050	0.00500	NVA	NVA	1.4E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.00100	0.00500	NVA	NVA	1.0E+03	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.00050	0.00500	NVA	NVA	7.0E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.00050	0.00500	NVA	NVA	2.9E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.00050	0.00500	NVA	NVA	3.1E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.00100	0.00500	NVA	NVA	5.0E-03	0.00113	1	U	U	0.00113	1	U	U	0.00113	1	U	U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.00050	0.00500	NVA	NVA	7.0E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.00050	0.00500	NVA	NVA	1.4E+02	0.00489	1	U	U	0.00529	1	U	U	0.00349	1	J	J
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.00200	0.00500	NVA	NVA	2.0E-02	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.00050	0.00500	NVA	NVA	5.0E-03	0.00056	1	U	U	0.00056	1	U	U	0.00056	1	U	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.00050	0.00500	NVA	NVA	6.0E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.00050	0.00500	NVA	NVA	4.7E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.00489	1	U	U	0.00529	1	U	U	0.00178	1	J	J
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.00050	0.00500	NVA	NVA	1.2E+02	0.00489	1	U	U	0.00529	1	U	U	0.00135	1	J	J
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.00050	0.00500	NVA	NVA	7.1E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.00050	0.00500	NVA	NVA	2.9E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.00050	0.00500	NVA	NVA	7.5E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.00050	0.00500	NVA	NVA	4.2E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.00250	0.01000	NVA	NVA	6.1E+03	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.00200	0.01000	NVA	NVA	2.6E-01	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.00050	0.00500	NVA	NVA	2.0E+02	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.00250	0.01000	NVA	NVA	8.7E+01	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.00050	0.00500	NVA	NVA	4.8E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Acetone	2.5E+03	9.2E+03	0.00500	0.01000	NVA	NVA	2.5E+03	0.00979	1	U	U	0.01060	1	U	U	0.05870	1		
VOLATILES	Benzene	1.6E+00	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00489	1	U	U	0.00529	1	U	U	0.01250	1		
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.00050	0.00500	NVA	NVA	1.6E+02	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.00050	0.00500	NVA	NVA	3.4E+02	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.00050	0.00500	NVA	NVA	4.6E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.00050	0.00500	NVA	NVA	3.6E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.00100	0.01000	NVA	NVA	4.9E+00	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.00489	1	U	U	0.00529	1	U	U	0.00092	1	J	J
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.00100	0.01000	NVA	NVA	4.1E+03	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.00050	0.00500	NVA	NVA	5.2E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.00200	0.01000	NVA	NVA	3.8E+00	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.00050	0.00500	NVA	NVA	7.0E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.00050	0.00500	NVA	NVA	5.3E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.00050	0.00500	NVA	NVA	3.4E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.00050	0.00500	NVA	NVA	3.8E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.00100	0.01000	NVA	NVA	2.0E+03	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.00050	0.00500	NVA	NVA	7.0E+01	0.00489	1	U	U	0.00529	1	U	U	0.01260	1		
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.00050	0.00500	NVA	NVA	2.0E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.00489	1	U	U	0.00529	1	U	U	0.00142	1	J	J
VOLATILES	m,p-Xylenes ^h	3.3E+03	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.00489	1	U	U	0.00529	1	U	U	0.01110	1		
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.00250	0.01000	NVA	NVA	8.2E+02	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0																

Table 7
Comparison of Chemical Concentrations in Soil to Medium Specific Concentrations
LHAAP-68

LOCATION_CODE									68SB01				68SB01				68SB01							
SAMPLE_NO		TCEQ				Background Concentrations in Soil		Applicable	68SB01-01 ^a				68SB01-01-QC				68SB01-02							
SAMPLE_DATE						(95% UPL, mg/kg) ^b			30-Aug-06				30-Aug-06				30-Aug-06							
SAMPLE_PURPOSE		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation				TCEQ				FD				REG							
FK_DEPTH						Surface	Subsurface		Risk-Based				0 - 0.5 Ft				0 - 0.5 Ft				0.5 - 4 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft		MSC ^c				Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
VOLATILES	Styrene	2.3E+04	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01				0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U	
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02				0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U	
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01				0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U	
VOLATILES	Toluene	2.5E+04	1.0E+02	0.00050	0.00500	NVA	NVA	1.0E+02				0.00056	1	J		0.00117	1	J	J	0.00170	1	J	J	
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01				0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U	
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.00050	0.00500	NVA	NVA	2.9E+00				0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U	
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01				0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U	
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.00100	0.01000	NVA	NVA	3.1E+03				0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U	
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.00100	0.01000	NVA	NVA	8.0E+02				0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U	
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.00100	0.01000	NVA	NVA	6.6E-02				0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U	

Notes:

Blank cells indicate sample was not analyzed for that chemical.

Concentration exceeds Applicable MSC.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available at <http://www.tceq.state.tx.us/remediation/ttt.html>.

b Lower of surface and subsurface soil background concentrations used in these comparisons.

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

e Sample was chosen for SPLP analysis by SW-846 method 1312.

f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions to total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

h MSC value shown is for m-xylene, the more conservative of m- and p-xylene isomers.

FD: Field duplicate sample

H: Estimate is high

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

L: Estimate is low

NVA: No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 7
Comparison of Chemical Concentrations in Soil to Medium Specific Concentrations
LHAAP-68

LOCATION_CODE							68SB02				68SB02				68SB03				68SB03						
SAMPLE_NO		TCEQ		Background Concentrations in Soil		Applicable TCEQ Risk-Based	68SB02-01 30-Aug-06				68SB02-02 30-Aug-06				68SB03-01 30-Aug-06				68SB03-02 30-Aug-06						
SAMPLE_PURPOSE		Medium-Specific Concentration (MSC)		Method Detection			Method Quantitation		(95% UPL, mg/kg) ^b		REG 0 - 0.5 Ft		REG 0.5 - 4 Ft		REG 0 - 0.5 Ft		REG 0.5 - 4 Ft								
FK_DEPTH									Surface Subsurface																
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)		0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50		NVA	NVA	4.1E+02	55.5	1	U	U	59.4	1	U	U	56.6	1	U	U	57.5	1	U	U
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	38.7	1	J	J	37.4	1	J	J	52.2	1	J	J	57.5	1	U	U	
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	55.5	1	U	U	59.4	1	U	U	56.6	1	U	U	57.5	1	U	U	
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.08250	0.16500	NVA	NVA	7.0E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.08250	0.16500	NVA	NVA	6.0E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.08250	0.16500	NVA	NVA	7.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.08250	0.16500	NVA	NVA	7.5E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.08250	0.16500	NVA	NVA	1.0E+03	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.08250	0.16500	NVA	NVA	2.6E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.08250	0.16500	NVA	NVA	3.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	4.5900	5	U	U	0.9390	1	U	U	0.9350	1	U	U	0.9320	1	U	U	
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E+02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E+02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.08250	0.16500	NVA	NVA	8.2E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.08250	0.16500	NVA	NVA	5.1E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	4.5900	5	U	U	0.9390	1	U	U	0.9350	1	U	U	0.9320	1	U	U	
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.08250	0.16500	NVA	NVA	3.1E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E+02	0.16500	0.33000	NVA	NVA	3.3E-01	0.9322	5	U	U	0.1864	1	U	U	0.1864	1	U	U	0.1864	1	U	U	
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	4.5900	5	U	U	0.9390	1	U	U	0.9350	1	U	U	0.9320	1	U	U	
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	4.5900	5	U	U	0.9390	1	U	U	0.9350	1	U	U	0.9320	1	U	U	
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E+02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E+02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.33000	0.82500	NVA	NVA	7.5E+00	4.5900	5	U	U	0.9390	1	U	U	0.9350	1	U	U	0.9320	1	U	U	
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	4.5900	5	U	U	0.9390	1	U	U	0.9350	1	U	U	0.9320	1	U	U	
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.08250	0.16500	NVA	NVA	3.0E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.08250	0.16500	NVA	NVA	6.1E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.9170	5	U	U	0.1880	1	U	U	0.1150	1	J	J	0.1860	1	U	U	
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E+02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E+02	0.08250	0.16500	1.54E-02	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E+02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	Benzo(g,h,i)perylene	2.7E+04	3.1E+02	0.08250	0.16500	1.23E-02	NVA	3.1E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E+01	0.08250	0.16500	1.30E-02	NVA	3.9E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.33000	0.82500	NVA	NVA	4.1E+04	4.5900	5	U	UJ	0.9390	1	U	UJ	0.9350	1	U	UJ	0.9320	1	U	UJ	
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E+02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E+02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.08250	0.16500	NVA	NVA	4.1E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E+01	0.08250	0.16500	NVA	NVA	6.0E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.08250	0.16500	NVA	NVA	2.0E+03	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.08250	0.16500	1.51E-02	NVA	3.9E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E+02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.08250	0.16500	NVA	NVA	8.2E+03	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.08250	0.16500	NVA	NVA	8.2E+03	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.08250	0.16500	NVA	NVA	1.0E+03	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.08250	0.16500	2.29E-02	NVA	4.1E+02	0.9170	5	U	U	0.1880	1	U	U	0.3160	1			0.1860	1	U	U	
SEMIVOLATILES	Fluorene	3.6E+0																							

Table 7
Comparison of Chemical Concentrations in Soil to Medium Specific Concentrations
LHAAP-68

LOCATION_CODE						Background Concentrations in Soil		Applicable TCEQ Risk-Based	68SB02				68SB02				68SB03				68SB03			
SAMPLE_NO		TCEQ				(95% UPL, mg/kg) ^b			68SB02-01				68SB02-02				68SB03-01				68SB03-02			
SAMPLE_DATE						Surface Subsurface			30-Aug-06				30-Aug-06				30-Aug-06				30-Aug-06			
SAMPLE_PURPOSE		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation				REG				REG				REG				REG			
FK_DEPTH									0 - 0.5 Ft				0.5 - 4 Ft				0 - 0.5 Ft				0.5 - 4 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.08250	0.16500	NVA	NVA	5.8E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.33000	0.82500	NVA	NVA	8.3E-01	1.8644	5	U	U	0.3729	1	U	U	0.3729	1	U	U	0.3729	1	U	U
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.08250	0.16500	NVA	NVA	3.1E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.08250	0.16500	1.94E-02	NVA	3.1E+02	0.9170	5	U	U	0.1880	1	U	U	0.3290	1			0.1860	1	U	U
SOLIDS	Percent Solids	NE	NVA	NVA	NVA	NVA	NVA	--	88.5	1			88.5	1			88.5	1			88.5	1		
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.00050	0.00500	NVA	NVA	1.1E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.00050	0.00500	NVA	NVA	2.0E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.00050	0.00500	NVA	NVA	1.4E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.00100	0.00500	NVA	NVA	1.0E+03	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.00050	0.00500	NVA	NVA	7.0E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.00050	0.00500	NVA	NVA	2.9E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.00050	0.00500	NVA	NVA	3.1E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.00100	0.00500	NVA	NVA	5.0E-03	0.00113	1	U	U	0.00113	1	U	U	0.00113	1	U	U	0.00113	1	U	U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.00050	0.00500	NVA	NVA	7.0E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E-02	0.00050	0.00500	NVA	NVA	1.4E+02	0.00411	1	U	U	0.02290	1			0.00466	1	U	U	0.15500	1		JH
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.00200	0.00500	NVA	NVA	2.0E-02	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.00050	0.00500	NVA	NVA	5.0E-03	0.00056	1	U	U	0.00056	1	U	U	0.00056	1	U	U	0.00056	1	U	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.00050	0.00500	NVA	NVA	6.0E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.00050	0.00500	NVA	NVA	4.7E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.00411	1	U	U	0.01300	1			0.00466	1	U	U	0.00608	1		JH
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.00050	0.00500	NVA	NVA	1.2E+02	0.00411	1	U	U	0.00918	1			0.00466	1	U	U	0.02400	1		JH
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.00050	0.00500	NVA	NVA	7.1E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.00050	0.00500	NVA	NVA	2.9E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.00050	0.00500	NVA	NVA	7.5E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.00050	0.00500	NVA	NVA	4.2E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.00250	0.01000	NVA	NVA	6.1E+03	0.00582	1	J	J	0.01060	1	U	U	0.00689	1	J		0.01650	1		JH
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.00200	0.01000	NVA	NVA	2.6E-01	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.00050	0.00500	NVA	NVA	2.0E+02	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.00250	0.01000	NVA	NVA	8.7E+01	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.00050	0.00500	NVA	NVA	4.8E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	Acetone	2.5E+03	9.2E+03	0.00500	0.01000	NVA	NVA	2.5E+03	0.01980	1			0.05430	1			0.02390	1			0.06490	1		JH
VOLATILES	Benzene	1.6E+00	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00411	1	U	U	0.02100	1			0.00466	1	U	U	0.007310	1		JH
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.00050	0.00500	NVA	NVA	1.6E+02	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.00050	0.00500	NVA	NVA	3.4E+02	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.00050	0.00500	NVA	NVA	4.6E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.00050	0.00500	NVA	NVA	3.6E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.00100	0.01000	NVA	NVA	4.9E+00	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.00100	0.01000	NVA	NVA	4.1E+03	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.00050	0.00500	NVA	NVA	5.2E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.00200	0.01000	NVA	NVA	3.8E+00	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.00050	0.00500	NVA	NVA	7.0E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.00050	0.00500	NVA	NVA	5.3E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0																				

Table 7
Comparison of Chemical Concentrations in Soil to Medium Specific Concentrations
LHAAP-68

LOCATION _CODE									68SB02	68SB02	68SB03	68SB03
SAMPLE_NO									68SB02-01	68SB02-02	68SB03-01	68SB03-02
SAMPLE_DATE									30-Aug-06	30-Aug-06	30-Aug-06	30-Aug-06
SAMPLE_PURPOSE									REG	REG	REG	REG
FK_DEPTH									0 - 0.5 Ft	0.5 - 4 Ft	0 - 0.5 Ft	0.5 - 4 Ft
Test Group	Parameter (Units = mg/kg)	TCEQ		Method Detection	Method Quantitation	Background Concentrations in Soil		Applicable TCEQ Risk-Based MSC ^c				
		SAI-Ind ^a	GWP-Ind ^a			(95% UPL, mg/kg) ^b	Surface	Subsurface	Result ^d	DIL	Qual	ValQual
VOLATILES	Styrene	2.3E+04	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01	0.00411	1	U	U
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02	0.00411	1	U	U
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00411	1	U	U
VOLATILES	Toluene	2.5E+04	1.0E+02	0.00050	0.00500	NVA	NVA	1.0E+02	0.00076	1	J	J
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01	0.00411	1	U	U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.00050	0.00500	NVA	NVA	2.9E+00	0.00411	1	U	U
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00411	1	U	U
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.00100	0.01000	NVA	NVA	3.1E+03	0.00823	1	U	U
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.00100	0.01000	NVA	NVA	8.0E+02	0.00823	1	U	U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.00100	0.01000	NVA	NVA	6.6E-02	0.00823	1	U	U

Notes:

Blank cells indicate sample was not analyzed for that chemical.

Concentration exceeds Applicable MSC.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available at <http://www.tceq.state.tx.us/remediation/ttt.html>.

b Lower of surface and subsurface soil background concentrations used in these comparisons

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

e Sample was chosen for SPLP analysis by SW-846 method 1312.

f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions to total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

h MSC value shown is for m-xylene, the more conservative of m- and p-xylene isomers.

FD: Field duplicate sample

H: Estimate is high

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

L: Estimate is low

NVA: No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Table 8
Summary Selected Locations for Collection of Samples for SPLP Analysis
Longhorn Army Ammunition Plant
Karnack, Texas

Site Number	Sample				
	Location Code	Number	Depth	Analytes	Comment
LHAAP-06	0	No samples chosen for SPLP analysis, no detected chemicals			
LHAAP-07	07SB04	07SB04(0-1)	0 - 1 Ft	SVOCs	Sample chosen for SPLP analysis highest dilution factor for SVOCs with SDLs above MSCs.
LHAAP-07	07SB06	07SB06(0-1)	0 - 1 Ft	Silver	Sample chosen for SPLP analysis: having single silver detection above MSC.
LHAAP-51	51SB02	51SB02(0-1)	0 - 1 Ft	Silver	Sample chosen for SPLP analysis: having maximum silver detection above MSC.
LHAAP-55	55SB03	55-SB03-1-2	1 -2 Ft	Beryllium, Lead	Sample chosen for SPLP analysis: having largest lead concentration higher than MSC and beryllium concentration comparable to 55-SB03-3_0.
LHAAP-64	64SB03	64SB03-01	0.5 - 1 Ft	Aroclor 1254	Sample selected for SPLP analysis: having a PCB concentration higher than MSCs, and SDLs for several SVOCs higher than MSCs due to dilution.
LHAAP-66	None	1004SS007	0 - 0.5 Ft	Aroclor 1254	Sample selected for SPLP analysis: having a PCB concentration higher than MSCs.
LHAAP-68	68SB01	68SB01-01	0 - 1 ft	SVOCs	Sample chosen for SPLP analysis highest dilution factor for SVOCs with SDLs above MSC.

Table 9
Concentrations of Chemicals in Leachate from Synthetic Precipitation Leaching Procedure Analysis of Selected Samples

Test Group	Parameter	Units	Limit (MDL)	Limit (MQL)	TCEQ Risk-Based MSC	Applicable TCEQ Risk-Based MSC	07SB04-01			07SB06-01			1004SS007			51SB02-01			55SB03-01			64SB03-01			68SB01-01		
							07SB04-01-SPLP			07SB06-01-SPLP			1004SS007-SPLP			51SB02-01-SPLP			55SB03-01-SPLP			64SB03-01-SPLP			68SB01-01-SPLP		
Test Group	Parameter	Units	Limit (MDL)	Limit (MQL)	GW-Ind ^a	Industrial ^b	4-May-07			4-May-07			4-May-07			4-May-07			4-May-07			4-May-07			4-May-07		
							Result ^c	DIL	Qual	Result ^c	DIL	Qual	Result ^c	DIL	Qual	Result ^c	DIL	Qual	Result ^c	DIL	Qual	Result ^c	DIL	Qual	Result ^c	DIL	Qual
TCLP-METALS	Antimony	mg/L	0.00025	0.0010	6.0E-03	6.0E-03	NA			NA			NA			NA			NA			NA			NA		
TCLP-METALS	Arsenic	mg/L	0.00025	0.0010	1.0E-02	1.0E-02	NA			NA			NA			NA			NA			NA			NA		
TCLP-METALS	Beryllium	mg/L	0.00050	0.0020	4.0E-03	4.0E-03	NA			NA			NA			NA			0.002	1 U		NA			NA		
TCLP-METALS	Cadmium	mg/L	0.000125	0.0005	5.0E-03	5.0E-03	NA			NA			NA			NA			NA			NA			NA		
TCLP-METALS	Chromium	mg/L	0.00050	0.0020	1.0E-01	1.0E-01	NA			NA			NA			NA			NA			NA			NA		
TCLP-METALS	Copper	mg/L	0.00050	0.0020	1.3E+00	1.3E+00	NA			NA			NA			NA			NA			NA			NA		
TCLP-METALS	Lead	mg/L	0.00025	0.0010	1.5E-02	1.5E-02	NA			NA			NA			NA			0.0124	1		NA			NA		
TCLP-METALS	Mercury	mg/L	0.00010	0.0002	2.0E-03	2.0E-03	NA			NA			NA			NA			NA			NA			NA		
TCLP-METALS	Silver	mg/L	0.00025	0.0010	5.1E-01	5.1E-01	NA			0.001	1 U		NA			0.0015	1		NA			NA			NA		
TCLP-PCBS	Aroclor 1016	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA			NA			0.25	1 U		NA			NA			0.25	1 U		NA		
TCLP-PCBS	Aroclor 1221	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA			NA			0.25	1 U		NA			NA			0.25	1 U		NA		
TCLP-PCBS	Aroclor 1232	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA			NA			0.25	1 U		NA			NA			0.25	1 U		NA		
TCLP-PCBS	Aroclor 1242	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA			NA			0.25	1 U		NA			NA			0.25	1 U		NA		
TCLP-PCBS	Aroclor 1248	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA			NA			0.25	1 U		NA			NA			0.25	1 U		NA		
TCLP-PCBS	Aroclor 1254	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA			NA			0.25	1 U		NA			NA			0.25	1 U		NA		
TCLP-PCBS	Aroclor 1260	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA			NA			0.25	1 U		NA			NA			0.25	1 U		NA		
TCLP-SVOCS	2,4,6-Trichlorophenol	ug/L	2.5	5.0	2.6E+01	2.6E+01	5	1 U		NA			NA			NA			NA			5	1 U		5	1 U	
TCLP-SVOCS	2,4-Dinitrotoluene	ug/L	2.5	5.0	4.2E-01	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	2,6-Dinitrotoluene	ug/L	2.5	5.0	4.2E-01	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	2-Nitroaniline	ug/L	12.5	25.0	3.1E+01	3.1E+01	25	1 U		NA			NA			NA			NA			25	1 U		25	1 U	
TCLP-SVOCS	2-Nitrophenol	ug/L	2.5	5.0	2.0E+02	2.0E+02	5	1 U		NA			NA			NA			NA			5	1 U		5	1 U	
TCLP-SVOCS	3,3'-Dichlorobenzidine	ug/L	2.5	10.0	6.4E-01	1.0E+01	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	3-Nitroaniline	ug/L	12.5	25.0	3.1E+01	3.1E+01	25	1 U		NA			NA			NA			NA			25	1 U		25	1 U	
TCLP-SVOCS	4-Bromophenyl phenyl ether	ug/L	2.5	5.0	1.9E-01	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	4-Chlorophenyl phenyl ether	ug/L	2.5	5.0	1.9E-01	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	4-Nitroaniline	ug/L	12.5	25.0	7.5E+01	7.5E+01	25	1 U		NA			NA			NA			NA			25	1 U		25	1 U	
TCLP-SVOCS	Atrazine	ug/L	10.0	20.0	3.0E+00	2.0E+01	10	1 U		NA			NA			NA			NA			10	1 U		10	1 U	
TCLP-SVOCS	Benzo(a)anthracene	ug/L	2.5	5.0	3.9E-01	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	Benzo(a)pyrene	ug/L	2.5	5.0	2.0E-01	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	Benzo(b)fluoranthene	ug/L	2.5	5.0	3.9E-01	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	Benzo(k)fluoranthene	ug/L	2.5	5.0	3.9E+00	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	bis(2-Chloroethoxy)methane	ug/L	2.5	5.0	2.6E-01	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	bis(2-Chloroethyl)ether	ug/L	2.5	5.0	2.6E-01	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	bis(2-Ethylhexyl)phthalate	ug/L	3.0	10.0	6.0E+00	1.0E+01	3.0	1 U		NA			NA			NA			NA			3.0	1 U		3.0	1 U	
TCLP-SVOCS	Dibenzo(a,h)anthracene	ug/L	2.5	5.0	2.0E-01	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	Hexachlorobenzene	ug/L	2.5	5.0	1.0E+00	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	Hexachlorobutadiene	ug/L	2.5	5.0	2.0E+01	2.0E+01	5	1 U		NA			NA			NA			NA			5	1 U		5	1 U	
TCLP-SVOCS	Indeno(1,2,3-cd)pyrene	ug/L	2.5	5.0	3.9E-01	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	n-Nitroso-di-n-propylamine	ug/L	2.5	5.0	4.1E-02	5.0E+00	2.5	1 U		NA			NA			NA			NA			2.5	1 U		2.5	1 U	
TCLP-SVOCS	Pentachlorophenol	ug/L	12.5	25.0	4.1E-02	2.5E+01	12.5	1 U		NA			NA			NA			NA			12.5	1 U		12.5	1 U	

Notes:

Blank cells indicate sample was not analyzed for that chemical.

a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at

<http://www.tceq.state.tx.us/remediation/rr.html>, corrected to correspond to units shown.

b Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

c Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

DIL: Dilution factor

NA: Sample not analyzed for this chemical

Qual: Data qualifier

SPLP: Synthetic Precipitation Leaching Procedure, SW846 Method 1312.

U: Undetected

Table 10
Analysis of SPLP Samples for Total Concentration in the Soil Sample

LOCATION_CODE SAMPLE_NO SAMPLE_DATE							TCEQ Risk-Based MSC	Applicable TCEQ Risk-Based MSC	07SB04-01 07SB04-01-Total 4-May-07			07SB06-01 07SB06-01-Total 4-May-07			51SB02-01 51SB02-01-Total 4-May-07		
Test Group	Parameter	Units	Limit (MDL) ^{a,b}	Limit (MQL) ^{a,b}	GWP-Ind ^a		Industrial ^{a,c}	Result ^{a,d}	DIL	Qual	Result ^{a,d}	DIL	Qual	Result ^{a,d}	DIL	Qual	
METALS	Antimony	mg/kg	NA	NA	NA		--	NA			NA			NA			
METALS	Arsenic	mg/kg	NA	NA	NA		--	NA			NA			NA			
METALS	Beryllium	mg/kg	0.012	0.025	4.0E-01		4.0E-01	NA			NA			NA			
METALS	Cadmium	mg/kg	NA	NA	NA		--	NA			NA			NA			
METALS	Chromium	mg/kg	NA	NA	NA		--	NA			NA			NA			
METALS	Copper	mg/kg	NA	NA	NA		--	NA			NA			NA			
METALS	Lead	mg/kg	0.5	1	1.5E+00		1.5E+00	NA			NA			NA			
METALS	Silver	mg/kg	0.25	0.5	5.1E+01		5.1E+01	NA			1.56	1 U		5.34			
PCBS	Aroclor 1016	µg/kg	8.25	16.5	5.0E+01		5.0E+01	NA			NA			NA			
PCBS	Aroclor 1221	µg/kg	8.25	16.5	5.0E+01		5.0E+01	NA			NA			NA			
PCBS	Aroclor 1232	µg/kg	8.25	16.5	5.0E+01		5.0E+01	NA			NA			NA			
PCBS	Aroclor 1242	µg/kg	8.25	16.5	5.0E+01		5.0E+01	NA			NA			NA			
PCBS	Aroclor 1248	µg/kg	8.25	16.5	5.0E+01		5.0E+01	NA			NA			NA			
PCBS	Aroclor 1254	µg/kg	8.25	16.5	5.0E+01		5.0E+01	NA			NA			NA			
PCBS	Aroclor 1260	µg/kg	8.25	16.5	5.0E+01		5.0E+01	NA			NA			NA			
SVOCS	2,4,6-Trichlorophenol	µg/kg	82.5	165	2.6E+03		2.6E+03	95.2	1 U		NA			NA			
SVOCS	2,4-Dinitrotoluene	µg/kg	82.5	165	4.2E+01		1.7E+02	97.6	1 U		NA			NA			
SVOCS	2,6-Dinitrotoluene	µg/kg	82.5	165	4.2E+01		1.7E+02	97.6	1 U		NA			NA			
SVOCS	2-Nitroaniline	µg/kg	330	825	3.1E+03		3.1E+03	381	1 U		NA			NA			
SVOCS	2-Nitrophenol	µg/kg	82.5	165	3.1E+03		3.1E+03	95.2	1 U		NA			NA			
SVOCS	3,3'-Dichlorobenzidine	µg/kg	165	330	6.4E+01		3.3E+02	195.3	1 U		NA			NA			
SVOCS	3-Nitroaniline	µg/kg	330	825	3.1E+03		3.1E+03	381	1 U		NA			NA			
SVOCS	4-Bromophenyl phenyl ether	µg/kg	82.5	165	1.9E+01		1.7E+02	97.6	1 U		NA			NA			
SVOCS	4-Chlorophenyl phenyl ether	µg/kg	82.5	165	1.9E+01		1.7E+02	97.6	1 U		NA			NA			
SVOCS	4-Nitroaniline	µg/kg	330	825	7.5E+03		7.5E+03	381	1 U		NA			NA			
SVOCS	Atrazine	µg/kg	NA	NA	NA		--	NA	1 U		NA			NA			
SVOCS	Benzo(a)anthracene	µg/kg	82.5	165	3.9E+01		1.7E+02	97.6	1 U		NA			NA			
SVOCS	Benzo(a)pyrene	µg/kg	82.5	165	2.0E+01		1.7E+02	97.6	1 U		NA			NA			
SVOCS	Benzo(b)fluoranthene	µg/kg	82.5	165	3.9E+01		1.7E+02	97.6	1 U		NA			NA			
SVOCS	Benzo(k)fluoranthene	µg/kg	82.5	165	3.9E+02		3.9E+02	95.2	1 U		NA			NA			
SVOCS	bis(2-Chloroethoxy)methane	µg/kg	82.5	165	2.6E+01		1.7E+02	97.6	1 U		NA			NA			
SVOCS	bis(2-Chloroethyl)ether	µg/kg	82.5	165	2.6E+01		1.7E+02	97.6	1 U		NA			NA			
SVOCS	bis(2-Ethylhexyl)phthalate	µg/kg	82.5	165	6.0E+02		6.0E+02	95.2	1 U		NA			NA			
SVOCS	Dibenzo(a,h)anthracene	µg/kg	82.5	165	2.0E+01		1.7E+02	97.6	1 U		NA			NA			
SVOCS	Hexachlorobenzene	µg/kg	82.5	165	1.0E+02		1.7E+02	97.6	1 U		NA			NA			
SVOCS	Hexachlorobutadiene	µg/kg	82.5	165	2.0E+03		2.0E+03	95.2	1 U		NA			NA			
SVOCS	Indeno(1,2,3-cd)pyrene	µg/kg	82.5	165	3.9E+01		1.7E+02	97.6	1 U		NA			NA			
SVOCS	n-Nitroso-di-n-propylamine	µg/kg	82.5	165	4.1E+00		1.7E+02	97.6	1 U		NA			NA			
SVOCS	Pentachlorophenol	µg/kg	330	825	1.0E+02		8.3E+02	391	1 U		NA			NA			
SOLIDS	Percent Solids	NA	NA	NA	NA		--	84.5			82.0			86.5			

Notes:

Blank cells indicate sample was not analyzed for that chemical.

a Concentrations of metals are reported in mg/kg units; concentrations of organic compounds are reported in ug/kg units.

b Analysis of soil for total chemical concentrations by SW-846 Methods: lead by 6010B, other metals by 6020, PCBs by 8082, SVOCs by 8270C

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

NA: Sample not analyzed for this chemical

PCBS: Polychlorinated Biphenyls

SVOCS: Semivolatile Organic Compounds

Table 10
Analysis of SPLP Samples for Total Concentration in the Soil Sample

LOCATION_CODE SAMPLE_NO SAMPLE_DATE							TCEQ Risk-Based MSC	Applicable TCEQ Risk-Based MSC	55SB03-01 55SB03-01-Total 4-May-07			64SB03-01 64SB03-01-Total 4-May-07			1004SS007 1004SS007-Total 4-May-07			68SB01-01 68SB01-01-Total 4-May-07		
Test Group	Parameter	Units	Method Detection Limit (MDL) ^{a,b}	Method Quantitation Limit (MQL) ^{a,b}	GWP-Ind ^a	Industrial ^{a,c}	Result ^{a,d}	DIL	Qual	Result ^{a,d}	DIL	Qual	Result ^{a,d}	DIL	Qual	Result ^{a,d}	DIL	Qual		
METALS	Antimony	mg/kg	NA	NA	NA	--	NA			NA			NA			NA				
METALS	Arsenic	mg/kg	NA	NA	NA	--	NA			NA			NA			NA				
METALS	Beryllium	mg/kg	0.012	0.025	4.0E-01	4.0E-01	0.851	1		NA			NA			NA				
METALS	Cadmium	mg/kg	NA	NA	NA	--	NA			NA			NA			NA				
METALS	Chromium	mg/kg	NA	NA	NA	--	NA			NA			NA			NA				
METALS	Copper	mg/kg	NA	NA	NA	--	NA			NA			NA			NA				
METALS	Lead	mg/kg	0.5	1	1.5E+00	1.5E+00	19.4	1		NA			NA			NA				
METALS	Silver	mg/kg	0.25	0.5	5.1E+01	5.1E+01	NA			NA			NA			5.34				
PCBS	Aroclor 1016	µg/kg	8.25	16.5	5.0E+01	5.0E+01	NA		9.09	1 U		9.8	1 U		NA					
PCBS	Aroclor 1221	µg/kg	8.25	16.5	5.0E+01	5.0E+01	NA		9.09	1 U		9.8	1 U		NA					
PCBS	Aroclor 1232	µg/kg	8.25	16.5	5.0E+01	5.0E+01	NA		9.09	1 U		9.8	1 U		NA					
PCBS	Aroclor 1242	µg/kg	8.25	16.5	5.0E+01	5.0E+01	NA		9.09	1 U		9.8	1 U		NA					
PCBS	Aroclor 1248	µg/kg	8.25	16.5	5.0E+01	5.0E+01	NA		9.09	1 U		9.8	1 U		NA					
PCBS	Aroclor 1254	µg/kg	8.25	16.5	5.0E+01	5.0E+01	NA		9.09	1 U		9.8	1 U		NA					
PCBS	Aroclor 1260	µg/kg	8.25	16.5	5.0E+01	5.0E+01	NA		9.09	1 U		9.8	1 U		NA					
SVOCS	2,4,6-Trichlorophenol	µg/kg	82.5	165	2.6E+03	2.6E+03	NA		184	2 U		NA			97.0	1 U				
SVOCS	2,4-Dinitrotoluene	µg/kg	82.5	165	4.2E+01	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	2,6-Dinitrotoluene	µg/kg	82.5	165	4.2E+01	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	2-Nitroaniline	µg/kg	330	825	3.1E+03	3.1E+03	NA		734	2 U		NA			388	1 U				
SVOCS	2-Nitrophenol	µg/kg	82.5	165	3.1E+03	3.1E+03	NA		184.0	2 U		NA			97.0	1 U				
SVOCS	3,3'-Dichlorobenzidine	µg/kg	165	330	6.4E+01	3.3E+02	NA		374.1	2 U		NA			196.7	1 U				
SVOCS	3-Nitroaniline	µg/kg	330	825	3.1E+03	3.1E+03	NA		734	2 U		NA			388	1 U				
SVOCS	4-Bromophenyl phenyl ether	µg/kg	82.5	165	1.9E+01	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	4-Chlorophenyl phenyl ether	µg/kg	82.5	165	1.9E+01	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	4-Nitroaniline	µg/kg	330	825	7.5E+03	7.5E+03	NA		734	2 U		NA			388	1 U				
SVOCS	Atrazine	µg/kg	NA	NA	NA	--	NA		NA	2 U		NA			NA	1 U				
SVOCS	Benzo(a)anthracene	µg/kg	82.5	165	3.9E+01	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	Benzo(a)pyrene	µg/kg	82.5	165	2.0E+01	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	Benzo(b)fluoranthene	µg/kg	82.5	165	3.9E+01	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	Benzo(k)fluoranthene	µg/kg	82.5	165	3.9E+02	3.9E+02	NA		184.0	2 U		NA			97.0	1 U				
SVOCS	bis(2-Chloroethoxy)methane	µg/kg	82.5	165	2.6E+01	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	bis(2-Chloroethyl)ether	µg/kg	82.5	165	2.6E+01	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	bis(2-Ethylhexyl)phthalate	µg/kg	82.5	165	6.0E+02	6.0E+02	NA		184.0	2 U		NA			97.0	1 U				
SVOCS	Dibenzo(a,h)anthracene	µg/kg	82.5	165	2.0E+01	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	Hexachlorobenzene	µg/kg	82.5	165	1.0E+02	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	Hexachlorobutadiene	µg/kg	82.5	165	2.0E+03	2.0E+03	NA		184.0	2 U		NA			97.0	1 U				
SVOCS	Indeno(1,2,3-cd)pyrene	µg/kg	82.5	165	3.9E+01	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	n-Nitroso-di-n-propylamine	µg/kg	82.5	165	4.1E+00	1.7E+02	NA		187.1	2 U		NA			98.3	1 U				
SVOCS	Pentachlorophenol	µg/kg	330	825	1.0E+02	8.3E+02	NA		748	2 U		NA			393	1 U				
SOLIDS	Percent Solids	NA	NA	NA	NA	--	81.9			88.2			81.9			83.9				

Notes:

Blank cells indicate sample was not analyzed for that chemical.

a Concentrations of metals are reported in mg/kg units; concentrations of organic compounds are reported in ug/kg units.

b Analysis of soil for total chemical concentrations by SW-846 Methods: lead by 6010B, other metals by 6020, PCBs by 8082, SVOCS by 8270C

c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

NA: Sample not analyzed for this chemical

PCBS: Polychlorinated Biphenyls

SVOCS: Semivolatile Organic Compounds

Comments on LHAAP report from EPA Scott Harris.txt
From: Harris.Scott@epamail.epa.gov
Sent: Thursday, March 08, 2007 10:22 AM
To: Tzhone.Stephen@epamail.epa.gov
Cc: fduke@tnrcc.state.tx.us; Villarreal.Chris@epamail.epa.gov;
Josiam.Raji@epamail.epa.gov; Cobb, Dave; rose.zeiler@us.army.mil
Subject: Comments on LHAAP report

Steve,

Based on my review of the January 2007 Draft Final Site Investigation Report LHAAP-06, LHAAP-07, LHAAP-51, LHAAP-55, LHAAP-64, LHAAP-66, and LHAAP-68, I have no comments.

Scott

Scott Harris, Ph.D.
Superfund Remedial Project Manager
USEPA Region 6
1445 Ross Avenue, Suite 1200 (6SF-RA)
Dallas, TX 75202-2733

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Buddy Garcia, *Chairman*
Larry R. Soward, *Commissioner*
Glenn Shankle, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 21, 2007

Ms. Rose Zeiler
Army / BRAC Site Manager
Longhorn Army Ammunition Plant
Post Office Box 220
Ratcliff, AR 72951

Re: Longhorn Army Ammunition Plant (LHAAP)
Response to Comments for Draft Final Site Investigation Report,
LHAAP-06, -51, -55, -64, -66, and -68

Dear Ms. Zeiler:

The Texas Commission on Environmental Quality (TCEQ) has completed review of Army's responses to agency comments to the referenced report, the revised analytical tables and the results of the additional sampling for the above referenced report. We concur that the above referenced sites can be closed under the Texas Risk Reduction Rule Standard 2 (RRR Std 2) for non-residential settings.

Although we concur that no active remediation is necessary at these sites, please note that under RRR Standard 2, site closure/remediation, in order to comply with the non-residential soil requirements, a deed certification must be filed in the county record. The deed certification must indicate that future land use is considered suitable for non-residential use. An example format of the deed certification is provided in 30 Texas Administrative Code §335.569.

If you have any questions or need additional information, please feel free to contact me at (512) 239-2443.

Sincerely

A handwritten signature in black ink, appearing to read "Fay Duke", with a long horizontal flourish extending to the right.

Fay Duke, Project Manager
Team 2, Environmental Cleanup Section II
Remediation Division

FD/mm

cc: Mr. Stephen L. Tzhone, U. S. Environmental Protection Agency Region 6, Dallas, TX
Mr. Cliff Murray, U.S. Army Corps of Engineers, Tulsa, OK
Dr. Barry Forsythe, U.S. Fish and Wildlife Service, Dallas, TX
Mr. Paul Bruckwicki, U.S. Fish and Wildlife Service, Karnack, TX

Email Re RTC on LHAAP-06 07 51 55 64 66 68 DF Report.txt
 From: Tzhone.Stephen@epamail.epa.gov
 Sent: Thursday, September 27, 2007 1:42 PM
 To: Rose Zeiler
 Cc: Cliff SWT Murray; John R SWT Lambert; Srivastav, Praveen; Cobb, Dave; Eidson, Frank; Everett, Kay; Fay Duke
 Subject: Re: RTC on LHAAP-06, 07, 51, 55, 64, 66, 68 DF Report

Attachments: ikt50400.PDF; RTC Tables - 1 through 10.pdf; DF RTC_TCEQ comments - LHAAP-06 07 51 55 64 66 68_081607.pdf

Hi Rose,

The EPA has no additional comments on the TCEQ conditional approval, RTCs, or the LHAAP-06, 07, 51, 55, 64, 66, 68 DF Report.

Stephen L. Tzhone
 Superfund Remedial Project Manager
 USEPA Region 6 (6SF-RA)
 214.665.8409
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"Fay Duke"
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09/21/2007 02:55
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To
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 <John.R.Lambert@SWT03.usace.army.mil>

Subject
 Re: RTC on LHAAP-06, 07, 51, 55,
 64, 66, 68 DF Report

Rose/Praveen,

Enclosed is our conditional approval.

(See attached file: ikt50400.PDF)

Email Re RTC on LHAAP-06 07 51 55 64 66 68 DF Report.txt

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Praveen"

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08/16/2007 07:59
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<Frank.Eidson@shawgrp.com>,
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Subject

RTC on LHAAP-06, 07, 51, 55, 64, 66, 68 DF Report

Fay:

Attached are the responses to TCEQ comments on the Draft Final LHAAP-07, 07, 51, 55, 64, 66, 68 Report. Please provide your review comments or concurrence at your earliest convenience.

(See attached file: RTC Tables - 1 through 10.pdf)

(See attached file: DF RTC_TCEQ comments - LHAAP-06 07 51 55 64 66 68_081607.pdf)

Thanks

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FINAL
SITE INVESTIGATION REPORT
LHAAP-06, LHAAP-07, LHAAP-51, LHAAP-55,
LHAAP-64, LHAAP-66, AND LHAAP-68
LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS



Prepared for
U.S. Army Corps of Engineers
Tulsa District
1645 South 101st Avenue
Tulsa, Oklahoma

Prepared by
Shaw Environmental, Inc.
3010 Briarpark Drive, Suite 400
Houston, Texas 77042

Contract Number W912QR-04-D-0027, Shaw Project No. 117591
Task Order No. DS02

Revision 1
December 2007

**SITE INVESTIGATION REPORT
LHAAP-06, LHAAP-07, LHAAP -51, LHAAP -55,
LHAAP -64, LHAAP -66, AND LHAAP -68
REVISION 01
LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS
DECEMBER 2007**

PRAVEEN SRIVASTAV

Name of Texas Professional Geoscientist

1696

License Number

SHAW ENVIRONMENTAL, INC.

Company

3010 BRIARPARK DRIVE, SUITE 400, HOUSTON, TX 77042

Address

I certify with my signature below, that the written descriptions and graphical depictions of geology and hydrogeology contained within this report were prepared under my supervision, and accurately reflect existing knowledge about the geology and hydrogeology of the referenced site.

Signature

12/10/07

Date Signed



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Attachment 1 Analytical Laboratory Reports and Field Logs (on Compact Disk)

Acronyms and Abbreviations

COPC	chemical of potential concern
DCS	detectability check sample
LHAAP	Longhorn Army Ammunition Plant
MARC	Multiple Award Remediation Contract
MDL	method detection limit
MQL	method quantitation limit
MSC	medium-specific concentration
PAH	polyaromatic hydrocarbon
PCB	polychlorinated biphenyl
PQL	practical quantitation limit
RBSV	risk-based screening value
RCRA	Resource Conservation and Recovery Act
RRR	Risk Reduction Rules
SDL	sample detection limit
Shaw	Shaw Environmental, Inc.
SI	site investigation
SQL	sample quantitation limit
SVOC	semivolatile organic compounds
TCEQ	Texas Commission on Environmental Quality
TO	task order
TWC	Texas Water Commission
TPH	total petroleum hydrocarbons
UPL	upper prediction limit
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compounds

1.0 Introduction

The U.S. Army Corps of Engineers (USACE), Tulsa District, contracted Shaw Environmental, Inc. (Shaw) under the Louisville District's Multiple Award Remediation Contract (MARC) Number W912QR-04-D-0027, Task Order (TO) No. DS02, to perform a site investigation (SI) at selected sites at the former Longhorn Army Ammunition Plant (LHAAP) in Karnack, Texas. The sites were used for a variety of purposes in support of the LHAAP mission. This SI report presents results of soil sampling activities conducted at LHAAP-06, -07, -51, -55, -64, -66, and -68 by Shaw in August 2006, and results of the screening of results against Texas Commission on Environmental Quality (TCEQ) screening values.

1.1 Project Objectives

The objective of the investigation at these LHAAP sites was to determine whether contaminants have been released during site operations.

1.2 Site Descriptions and Operational Histories

LHAAP is a former Army installation that occupied nearly 8,500 acres between State Highway 43, in Karnack, Texas, and the southwestern shore of Caddo Lake. The sites investigated are shown on **Figure 1-1**, Site Location Map. The nearest cities are Marshall, Texas, approximately 14 miles to the southwest, and Shreveport, Louisiana, approximately 40 miles to the southeast. Caddo Lake, a large freshwater lake situated on the Texas-Louisiana border, bounds LHAAP to the north and east.

1.2.1 LHAAP-06

LHAAP-06 (Building 51-F) is an 8 by 10 foot three-sided shed containing a rack with a single 55-gallon drum set on a 50-square-foot pie-shaped curbside concrete pad located outside of Building 54-F located within the boundary of LHAAP-47 (**Figure 1-2**). Bench-scale manufacture of HMX was conducted in Building 54-F prior to construction of the HMX Pilot Plant (Plexus Scientific [Plexus], 2005). Beginning in 1985, the drum was used to collect waste acids and solvents from production processes. Full drums were taken to Building 31-W for disposal (Plexus, 2005). Potential site-related chemicals at LHAAP-06 are volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), and explosives (Plexus, 2005).

1.2.2 LHAAP-07

LHAAP-07 was the former Drum Processing Building 50-G, which was a wooden frame building 30 by 100 feet in size set on a concrete pad located within the boundary of LHAAP-47 (**Figure 1-3**). Beginning in 1985, Building 50-G had a separate bay (20 by 30 feet in size) used

as a washdown area for empty drums and casting equipment used in ammunition production. The Resource Conservation and Recovery Act (RCRA) Facility Assessment (Texas Water Commission [TWC], 1988) described the washdown area as an above-grade concrete vault where empty drums were rinsed with hot water and spent sulfuric acid neutralized with limestone. Washdown water drained to a 3,000-gallon sump outside, Sump 070, which was reportedly removed. Empty drums were either reused or flashed at the Air Curtain Destructor and sent to Building 49-W for disposal as scrap. Wastes handled included solvents, oils, organic liquids, which include Hycar/methyl ethyl ketone, acid, acid/silver, solvents, polymer, paint residue, diesel fuel and water mixture, antifreeze, diacetyl pentamethylene tetramine, and non-polychlorinated biphenyl (PCB) oil. The RCRA Facility Assessment identified a waste pad outside of 50-G and describes the pad as a 4 by 12 foot concrete pad with no roofing or concrete curbing (TWC, 1988). This site ceased operation in 1995.

1.2.3 LHAAP-51

LHAAP-51 (former Building 60-B) was constructed in 1945 for processing of X-ray film (**Figure 1-4**). The building had a concrete floor without a floor drain, and has been demolished. Spent developing waste was drummed and transferred to Building 31-W for disposal. Small quantities of black and white developer and fixer solutions were generated at the X-ray lab. Spent developer (about 5 liters per day) was discharged directly to the sanitary sewer and fixer passed through an electrolytic silver recovery unit and then to surface drainage. The discharge occurred from 1970 through 1980 (Plexus, 2005).

1.2.4 LHAAP-55

This site consists of 10 septic tanks with outfalls to ditches, which served outlying areas of the installation that could not be connected to the plant sanitary sewer system. The locations of these septic tanks are shown in **Figure 1-5**. The tanks allowed for sedimentation and bacterial decomposition before discharge to the leach fields to disperse the wastewater and facilitate aerobic digestion of the waste (Plexus, 2005).

A review of the septic systems design in 1985 showed that effluent from the tanks entered leach fields via 6-inch-diameter open-joint clay tile pipe laterals laid in a 12-inch-thick gravel bed with the laterals laid on 5-foot centers. Immediately beneath the gravel bed was a 2-foot-thick sand bed underlain by a second 12-inch-thick gravel bed with an offset clay tile collection pipe system. In 1991, sewage treatment plant rehabilitation was completed and the Y- and T- areas were tied to the sewage treatment plant. Only one septic system outfall remained after this upgrade. Contents of septic tanks were pumped out and transferred to the sewage treatment plant as needed. The effluent was chlorinated prior to discharge. There is no history of industrial waste being put into these septic tanks (Plexus, 2005). Shaw determined that septic tanks ST-01, ST-02, ST-03, ST-06, ST-07, ST-09, and ST-10 (**Figures 1-6 through 1-11**) were associated with

industrial buildings, while septic tanks ST-04, ST-05, and ST-08 were associated with non-industrial buildings (Shaw, 2006c).

1.2.5 LHAAP-64

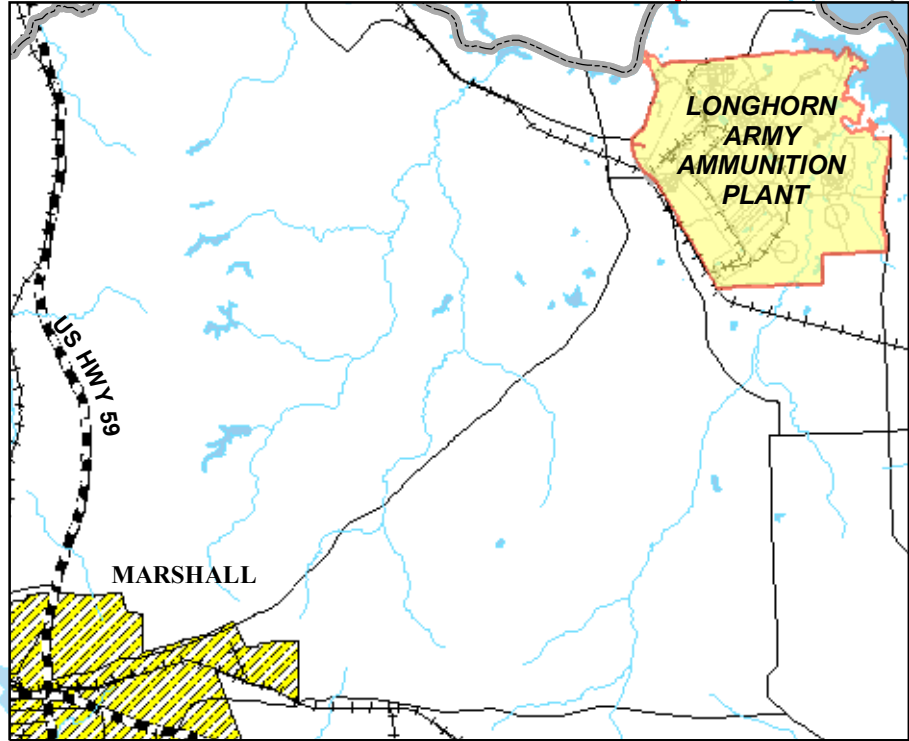
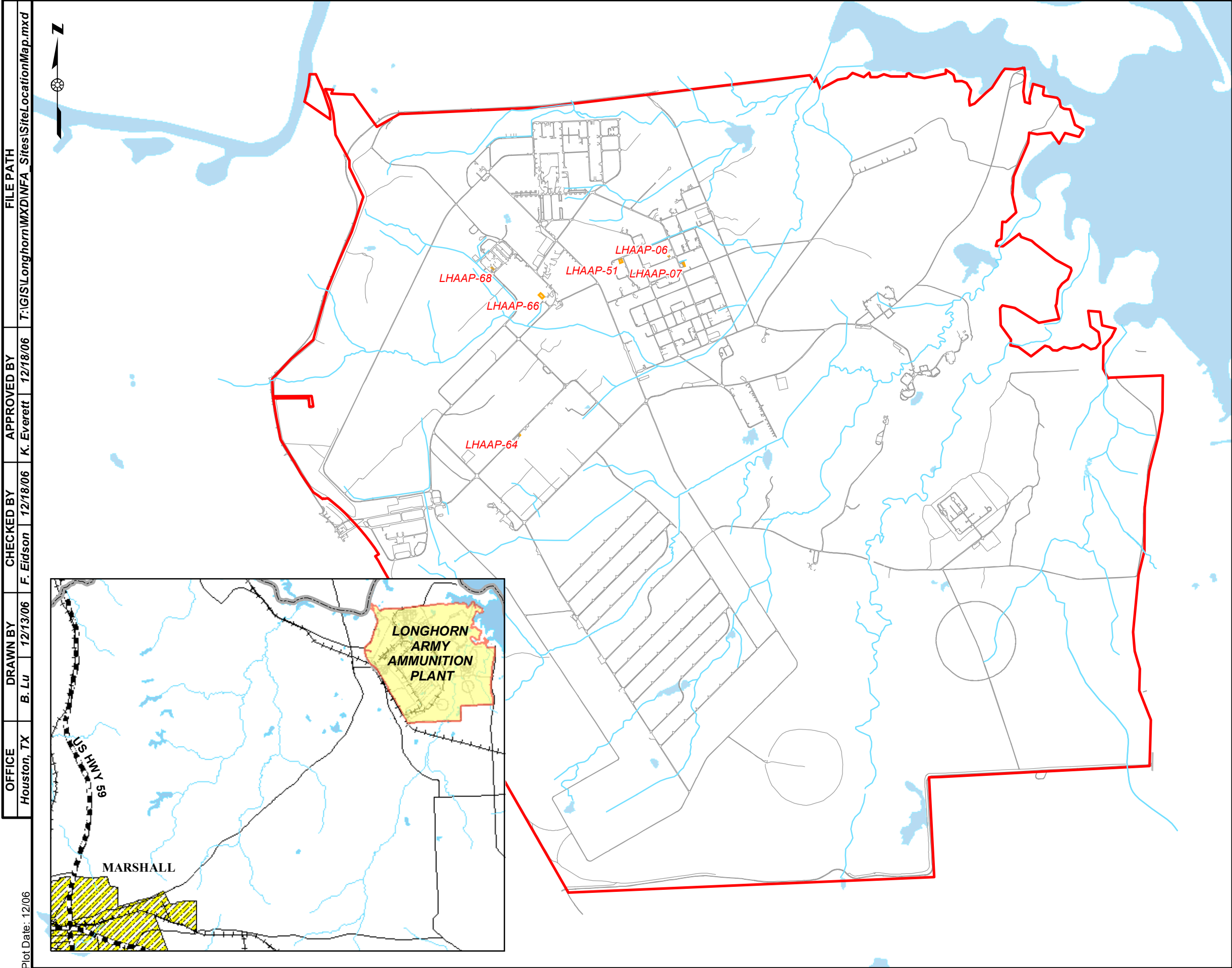
LHAAP-64, a former transformer storage area, is located within the boundaries of LHAAP-29 on the western portion of LHAAP (**Figure 1-12**). PCB transformers were stored on a pad on Zeugner Drive immediately southwest of Building 707-B. The site was used for storage of transformer oil. Approximately 20 out-of-service non-PCB transformers were stored on pallets outside, with no curbs or other containment (Plexus, 2005). According to the *Final Defense Environmental Restoration Program Management Information System/Restoration Management Information System Resolution Document* (USACE, 1996), the contaminants of concern were petroleum and oil lubricants and PCBs.

1.2.6 LHAAP-66

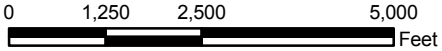
LHAAP-66 is the location of a leaking transformer at Building 401. Building 401 housed gas-fired boilers that generated steam for distribution throughout LHAAP. The transformer dripped oil for approximately one year but did not contain PCBs (Plexus, 2005). Additional sampling was conducted to confirm whether the transformer leak actually released PCBs to soil near Building 401 (Plexus, 2005) (**Figure 1-13**).

1.2.7 LHAAP-68

The LHAAP-68 is located in the maintenance shops and power area near the service station underground storage tank (LHAAP-69) (**Figure 1-14**). The site consisted of two mobile storage tank (600-gallon) compartments on tank trucks used prior to 1985. These vehicles were used throughout the facility and were parked on the asphalt surface at the maintenance complex at the service station. No curb or other containment was present at the parking facility. The mobile storage tanks contained No. 2 diesel and gasoline (Plexus, 2005). The contaminants of concern were petroleum and oil lubricants and PCBs and the medium of concern was soil (USACE, 1996).



- Legend**
- Stream
 - Road
 - Site
 - Lake
 - LHAAP Boundary



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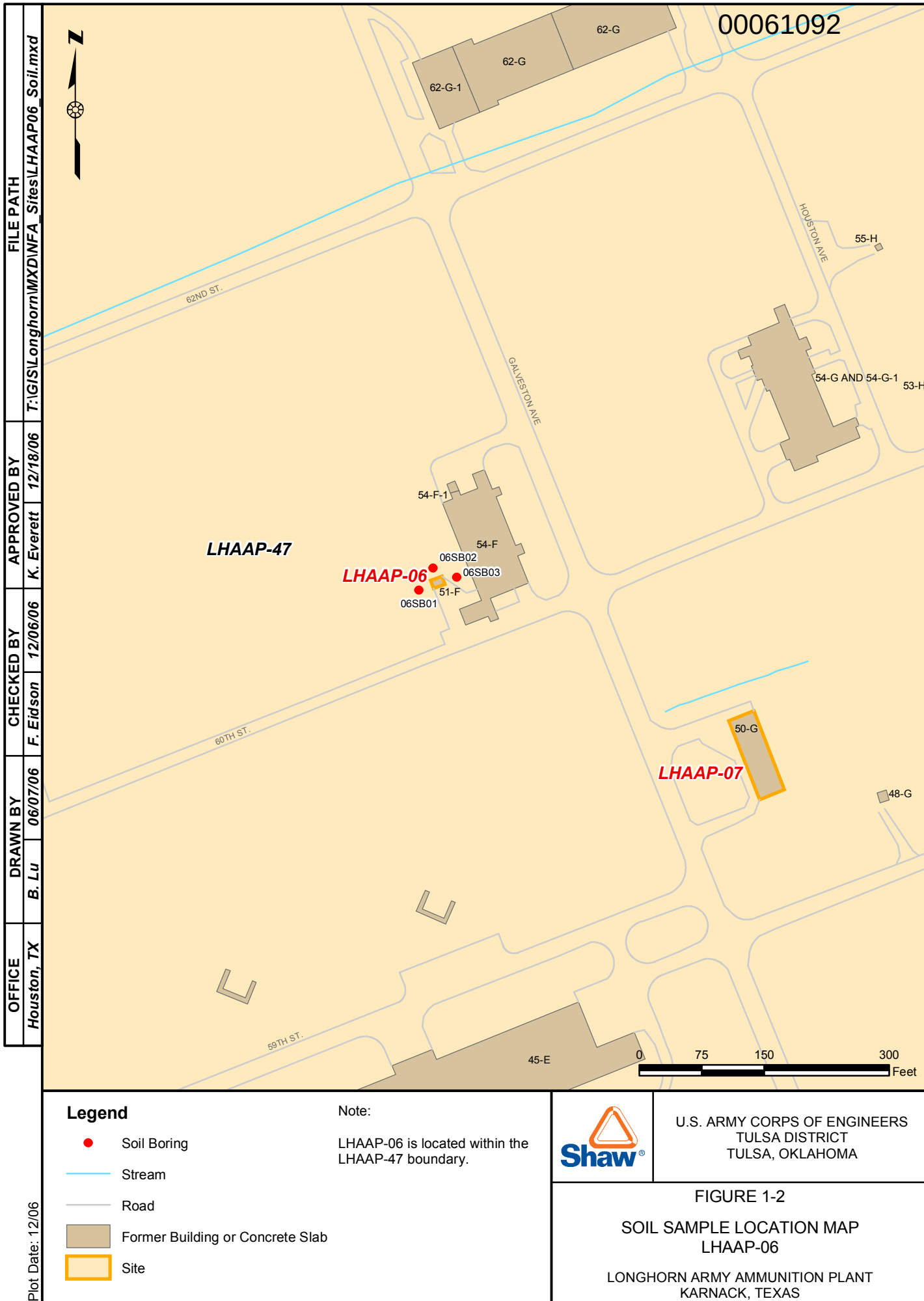
FIGURE 1-1

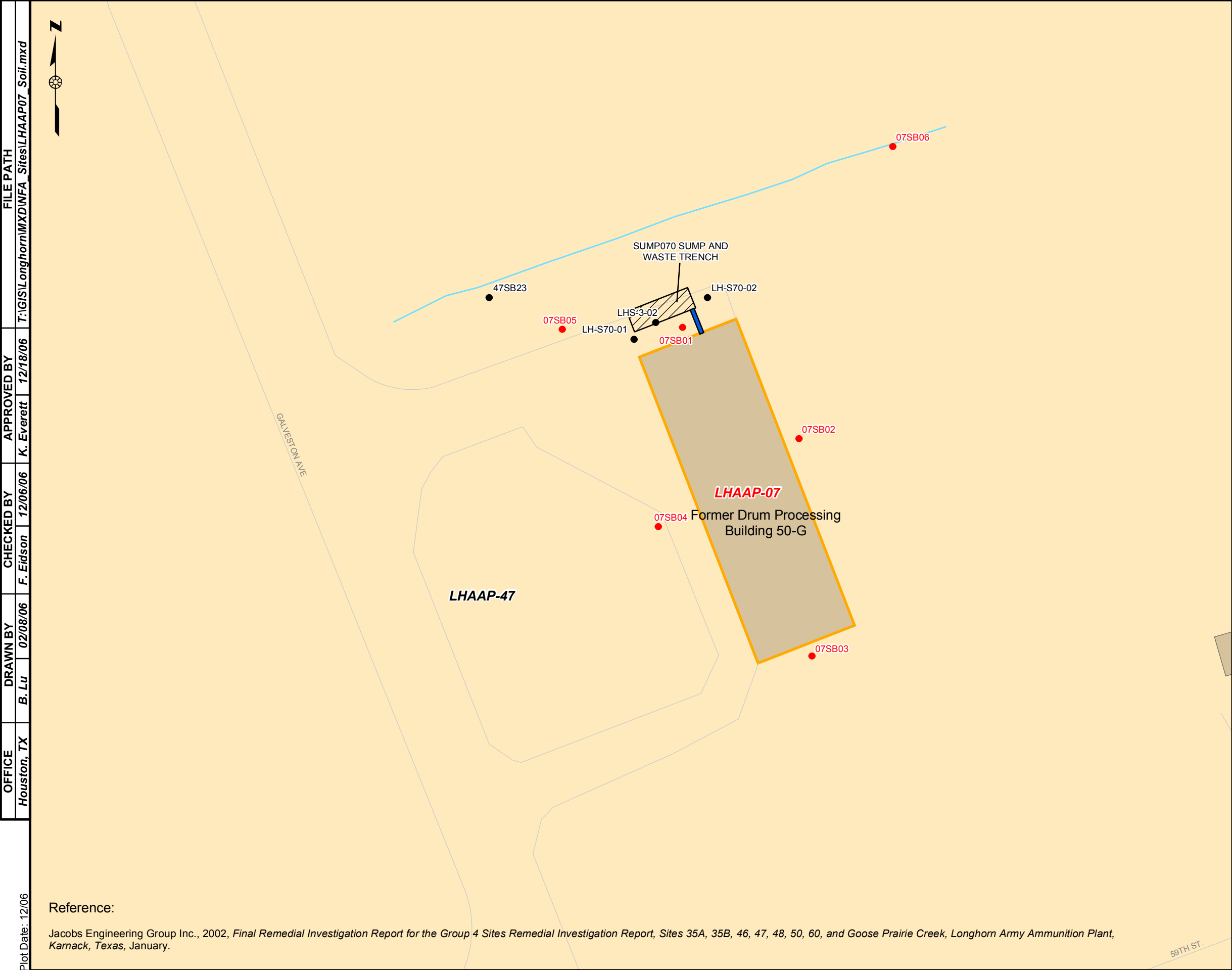
SITE LOCATION MAP

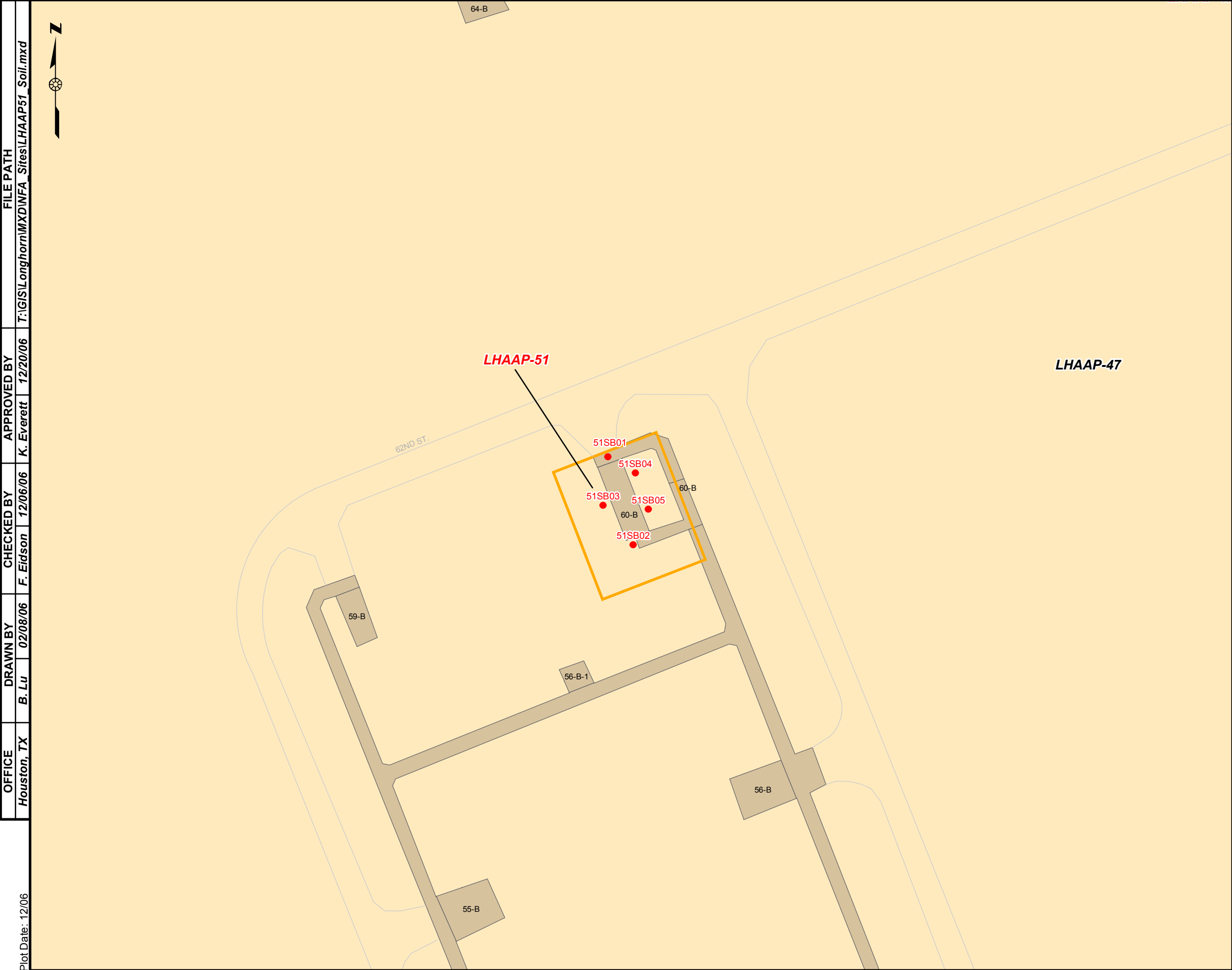
LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS

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Plot Date: 12/06



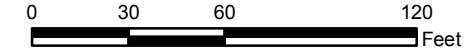




Legend

- Soil Boring
- Road
- Former Building or Concrete Slab
- Site

Note:
LHAAP-51 is located within the LHAAP-47 boundary.



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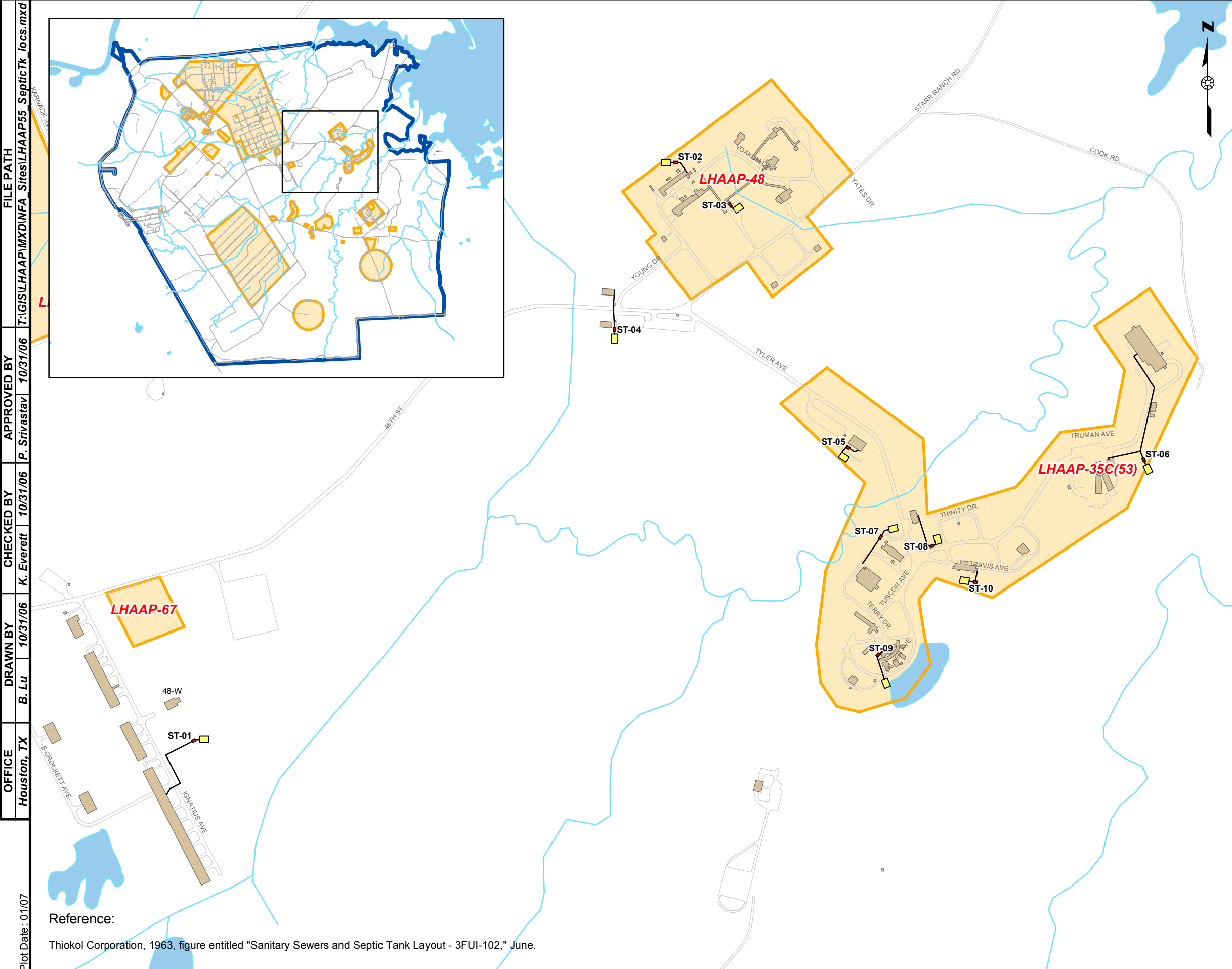
FIGURE 1-4

SOIL SAMPLE LOCATION MAP
LHAAP-51

LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS

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Houston, TX	B. Lu	F. Eidson	K. Everett	T:\GIS\Longhorn\MXD\NFA_Sites\LHAAP51_Soil.mxd

Plot Date: 12/06



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Plot Date: 01/07

Legend

- Septic Tank (ST-XX)
- Drain Field
- Stream
- Road
- Former Building or Concrete Slab
- Site

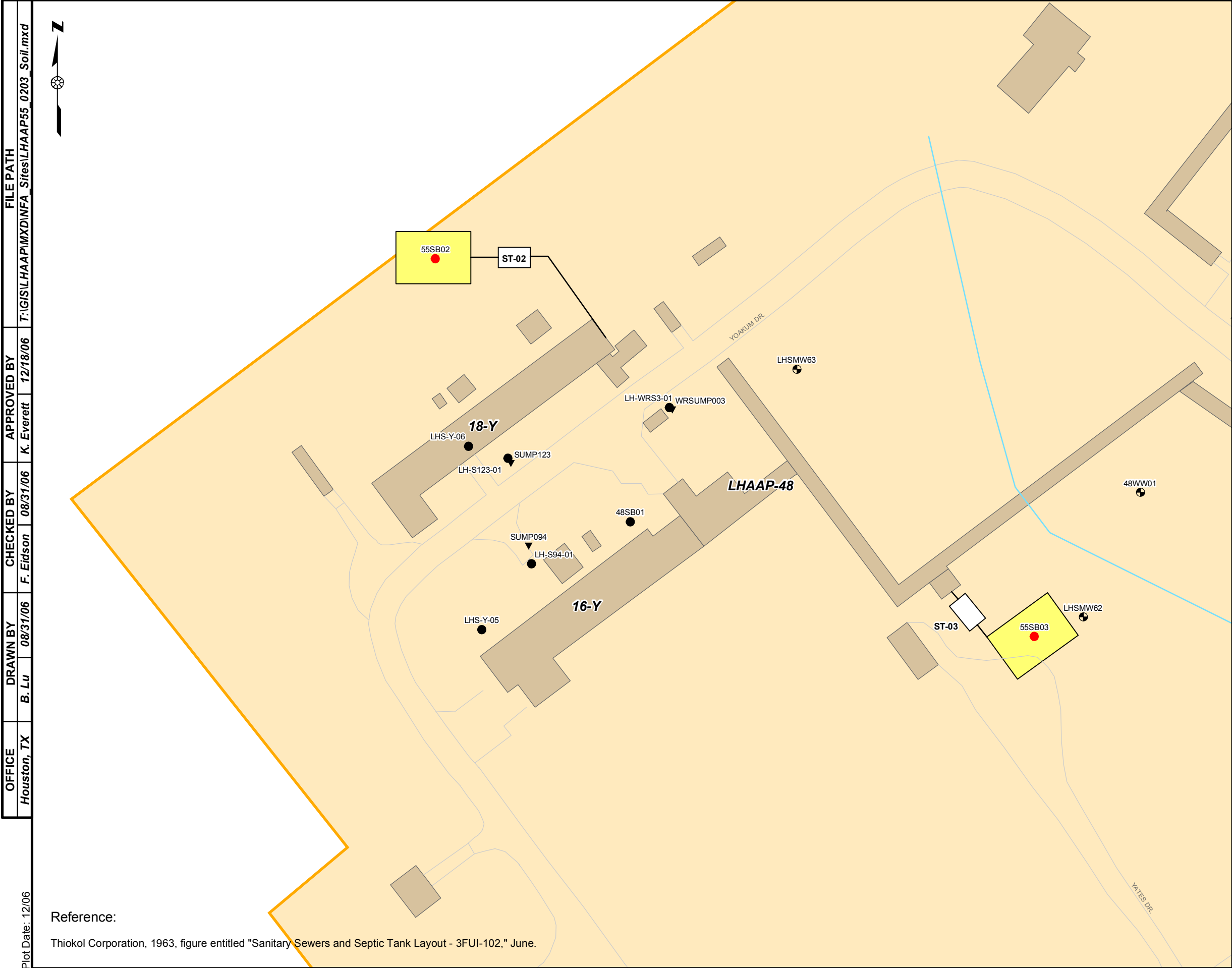
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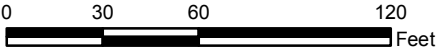
FIGURE 1-5

SEPTIC TANK LOCATIONS
LHAAP-55

LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS



- Legend**
- Soil Boring
 - Monitoring Well
 - Historic Soil Boring
 - Sump
 - Septic Tank
 - Leachate Field
 - Stream
 - Road
 - Former Building or Concrete Slab
 - Site



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TULSA, OKLAHOMA

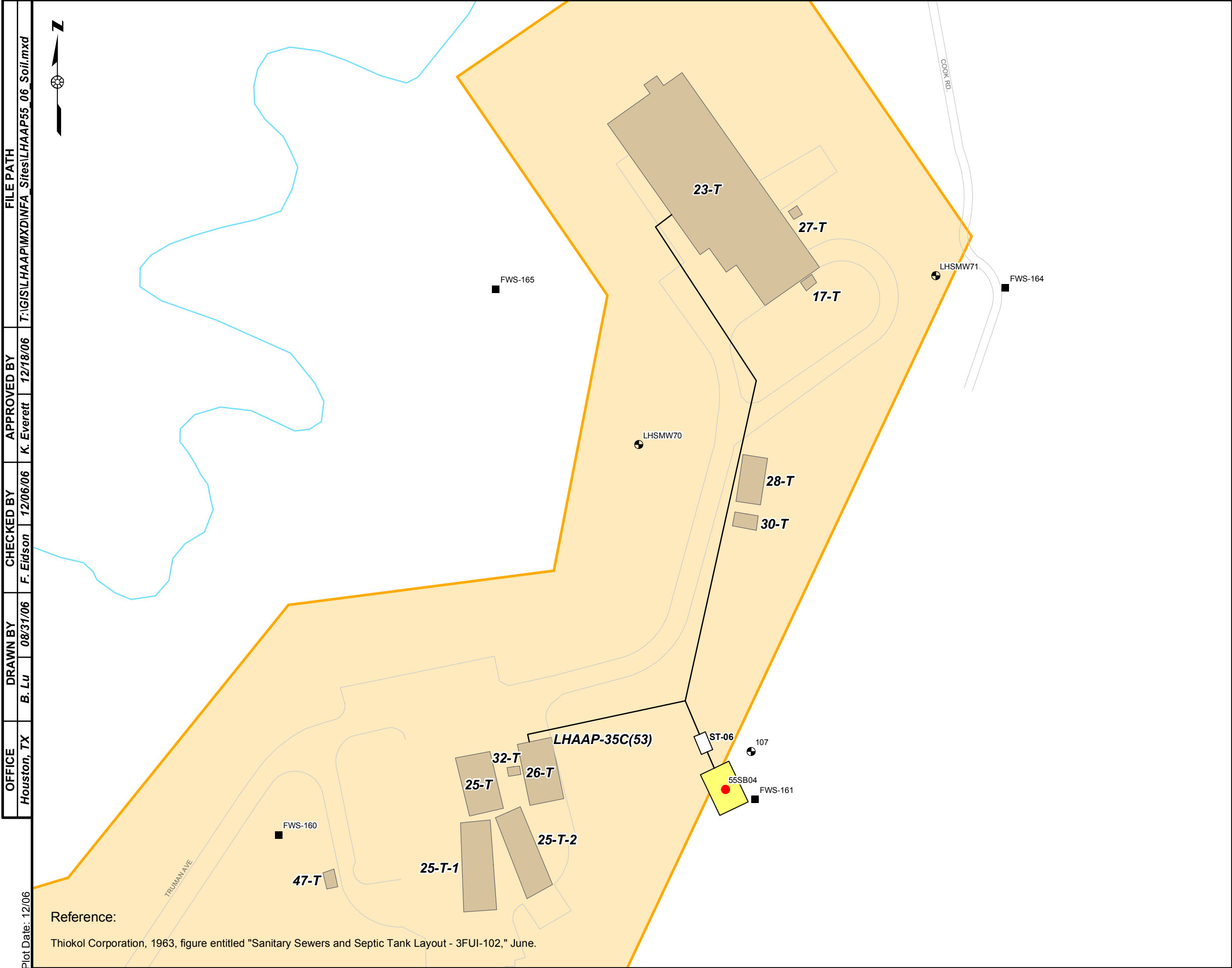
FIGURE 1-7

SAMPLE LOCATION MAP FOR ST-02 & ST-03
LHAAP-55

LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	FILE PATH
Houston, TX	B. Lu	F. Eidson	K. Everett	T:\GIS\LHAAP\MXDNFA_Sites\LHAAP55_0203_Soil.mxd

Plot Date: 12/06



Legend

- Soil Boring
- Monitoring Well
- Surface Soil Sample
- Septic Tank
- Leachate Field
- Stream
- Road
- Former Building or Concrete Slab
- Site

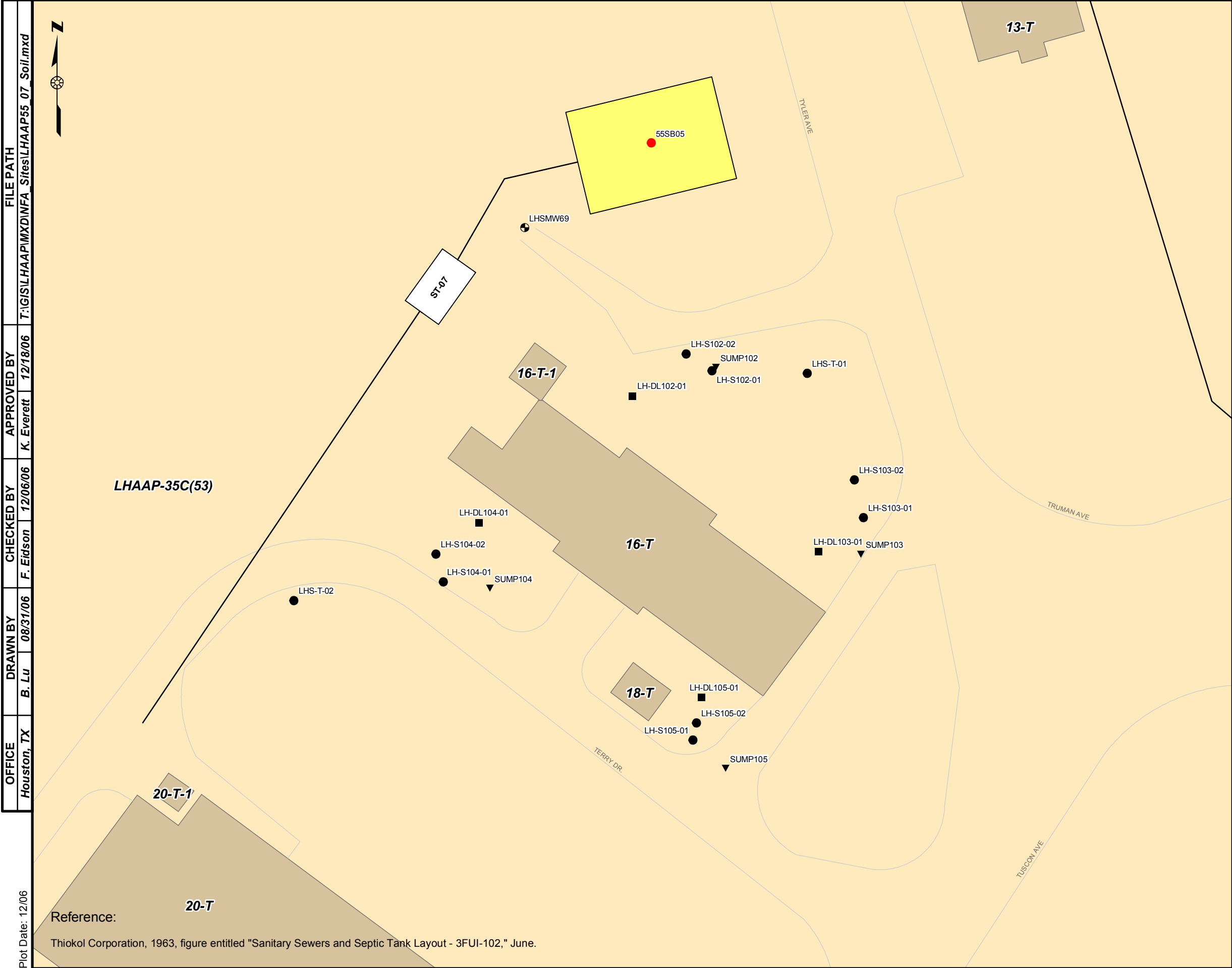
0 50 100 200 Feet

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TULSA, OKLAHOMA

FIGURE 1-8

SAMPLE LOCATION MAP FOR ST-06
LHAAP-55

LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS



Legend

Soil Boring

Monitoring Well

Historic Soil Boring

Surface Soil Sample

Sump

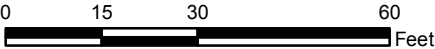
Septic Tank

Leachate Field

Road

Former Building or Concrete Slab

Site



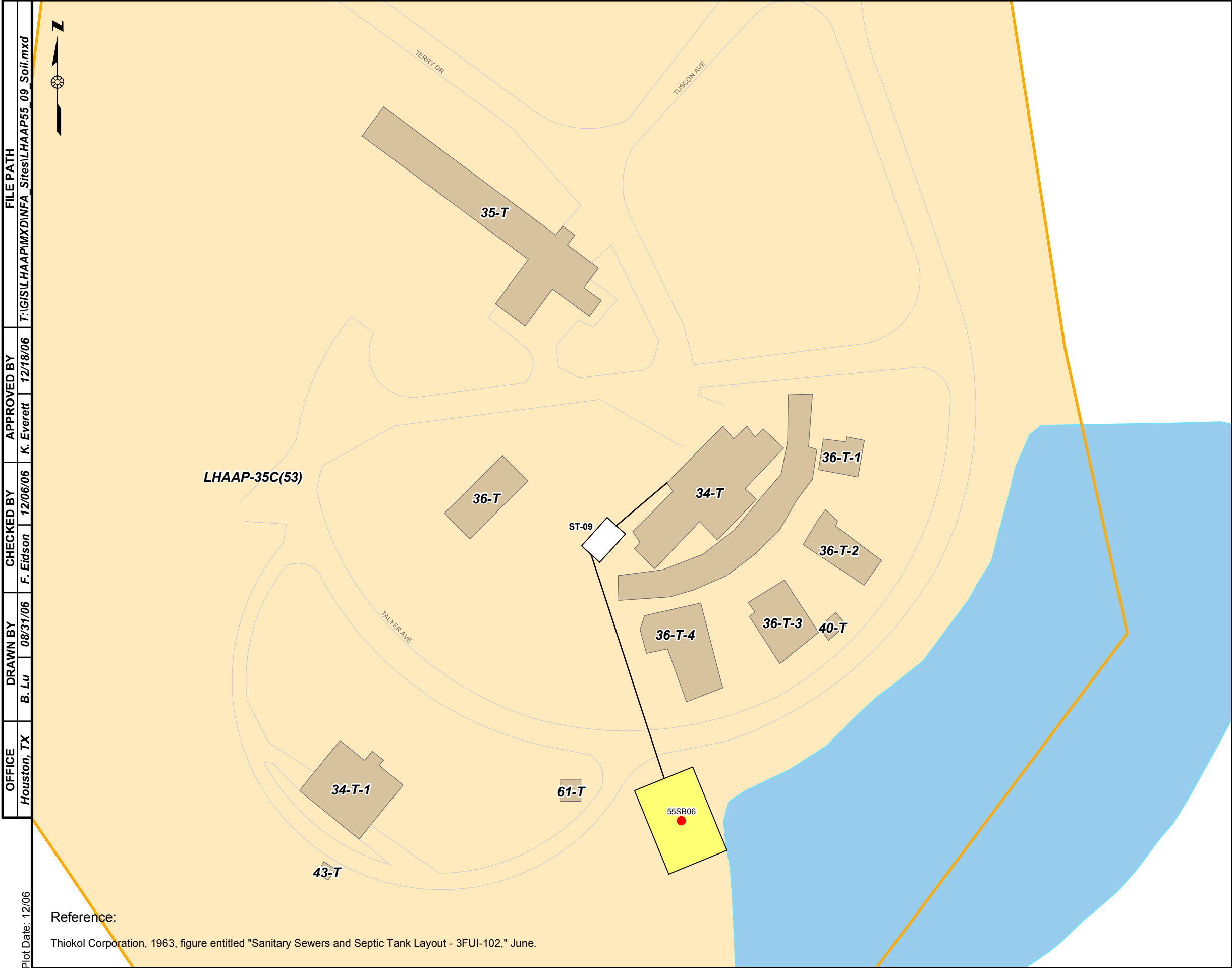
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FIGURE 1-9
SAMPLE LOCATION MAP FOR ST-07
LHAAP-55

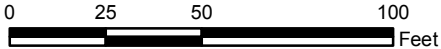
LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS

Plot Date: 12/06
Reference:
Thiokol Corporation, 1963, figure entitled "Sanitary Sewers and Septic Tank Layout - 3FUI-102," June.

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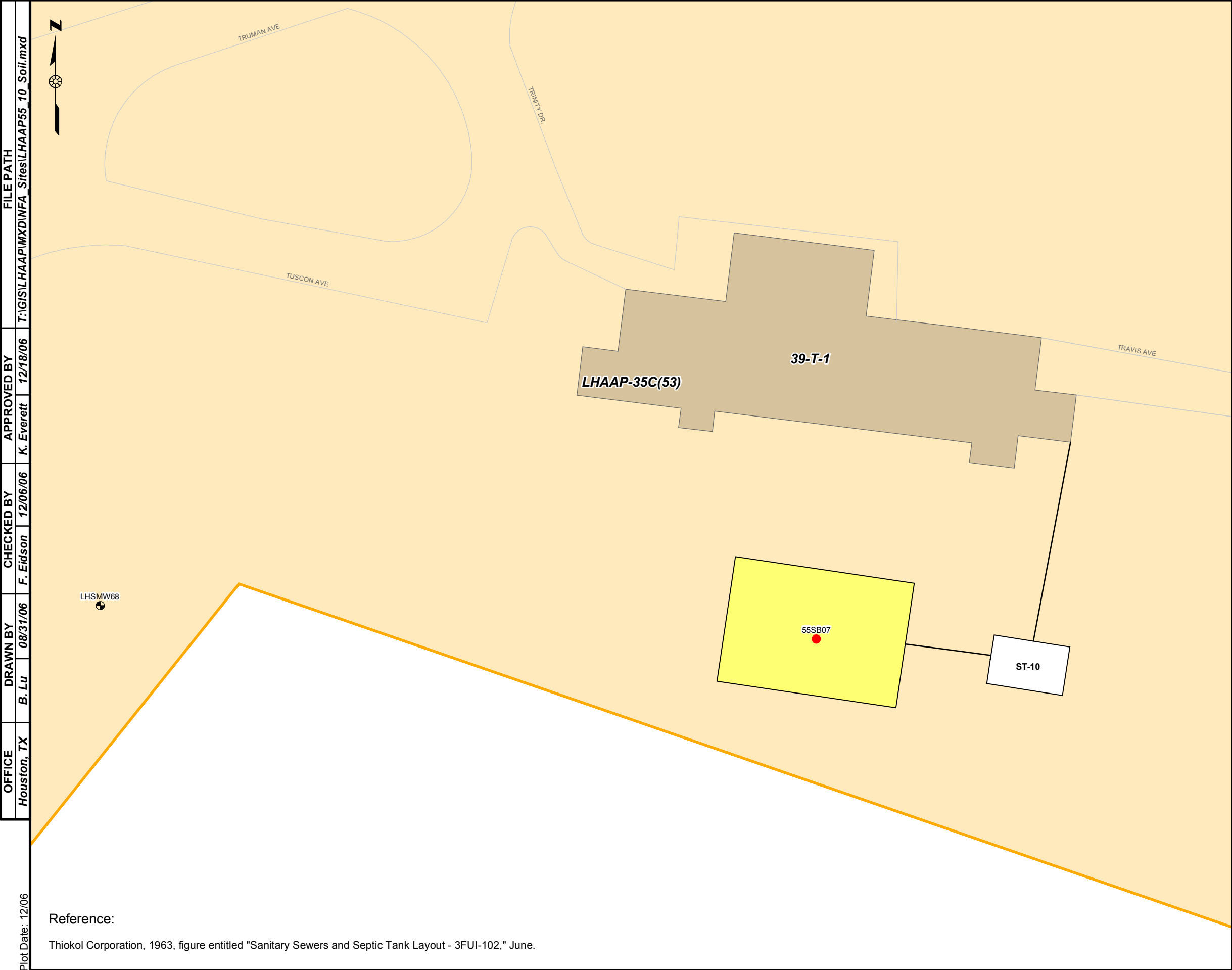


- Legend**
- Soil Boring
 - Septic Tank
 - Leachate Field
 - Road
 - Former Building or Concrete Slab
 - Site
 - Pond



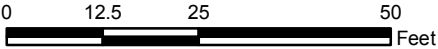
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FIGURE 1-10
SAMPLE LOCATION MAP FOR ST-09
LHAAP-55
LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS



Legend

- Soil Boring
- Monitoring Well
- Septic Tank
- Leachate Field
- Road
- Former Building or Concrete Slab
- Site



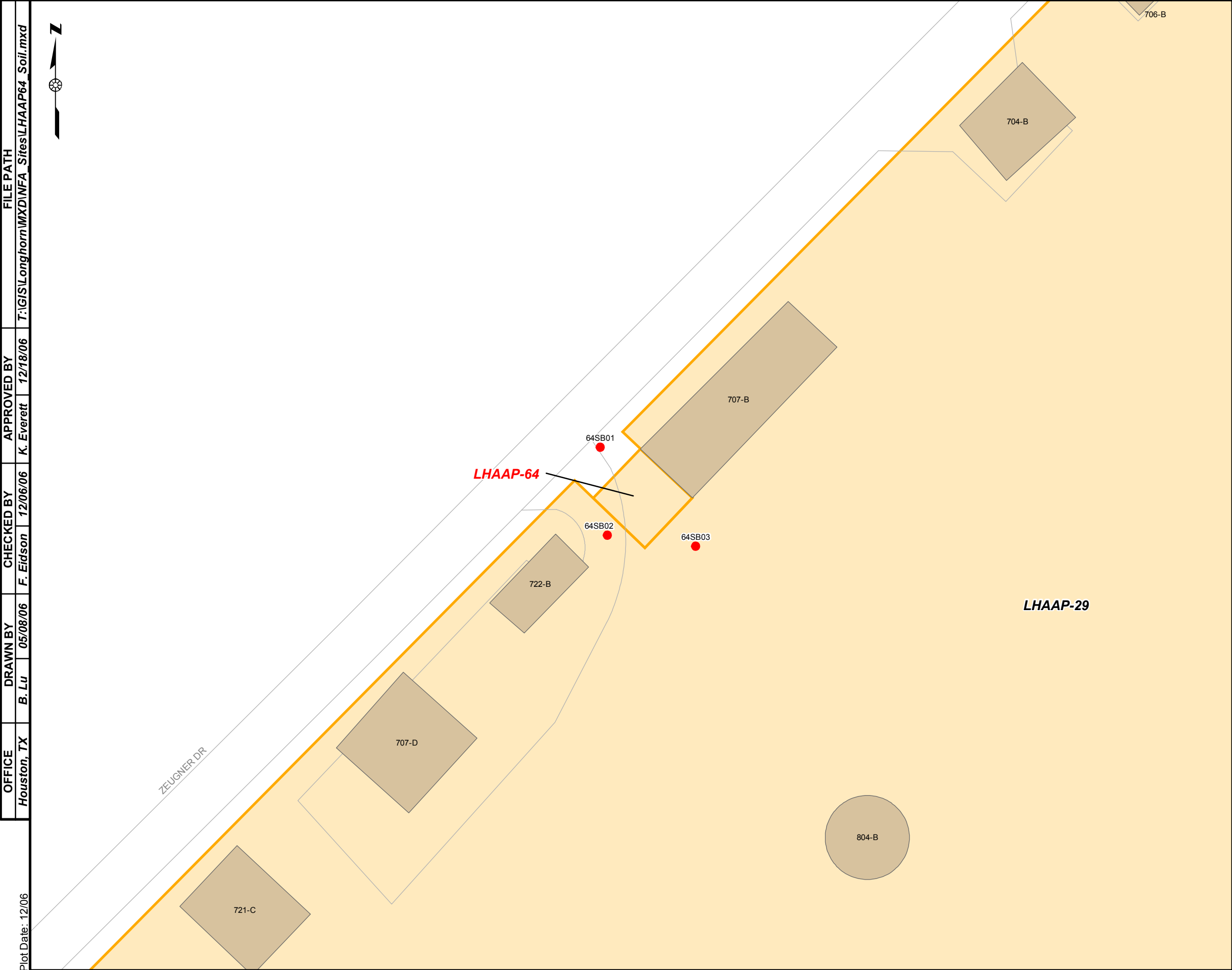
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TULSA, OKLAHOMA

FIGURE 1-11
SAMPLE LOCATION MAP FOR ST-10
LHAAP-55
LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	FILE PATH
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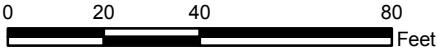
Plot Date: 12/06

Reference:
Thiokol Corporation, 1963, figure entitled "Sanitary Sewers and Septic Tank Layout - 3FUI-102," June.



Legend

- Soil Boring
- Road
- Former Building or Concrete Slab
- Site



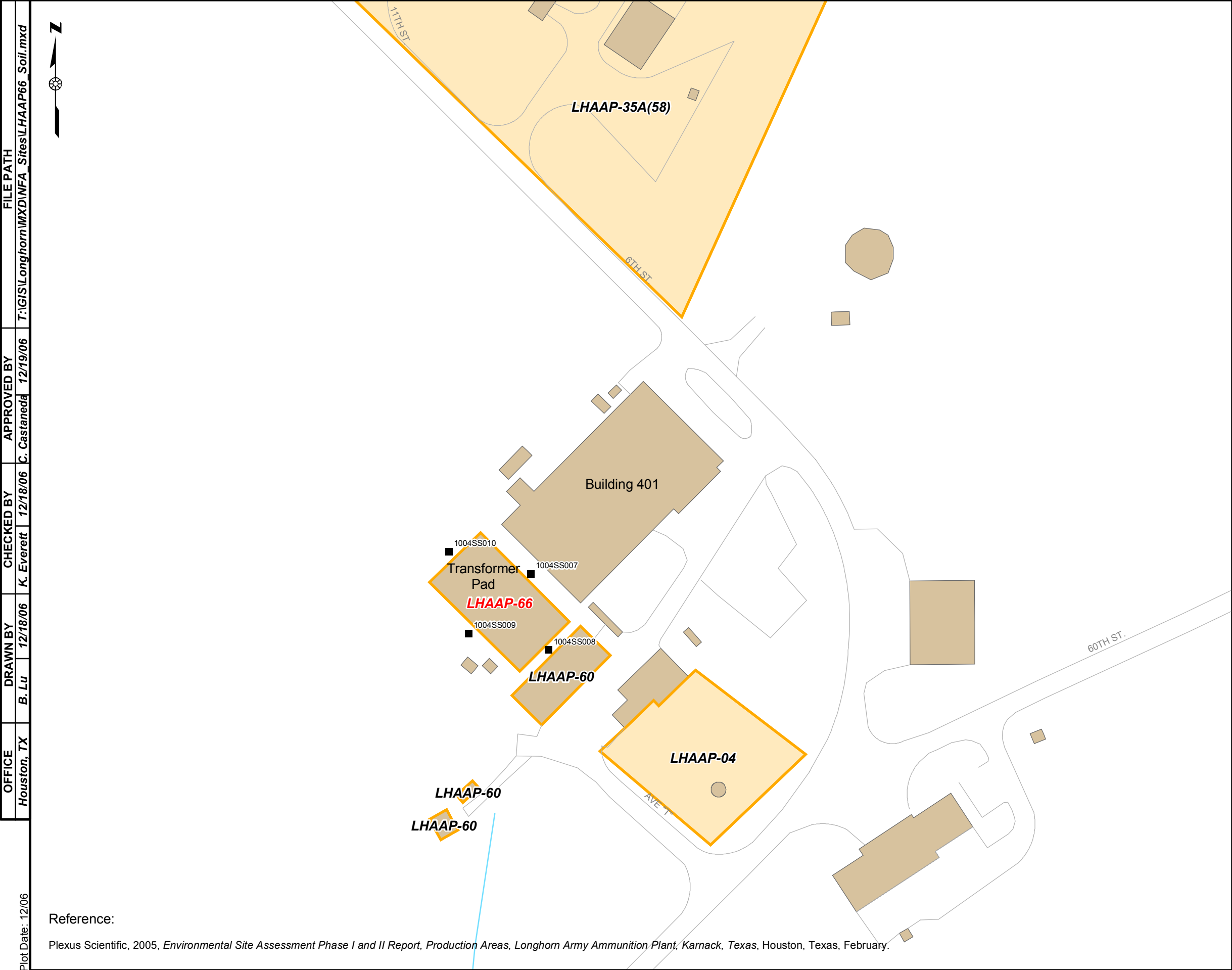
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FIGURE 1-12
SAMPLE LOCATION MAP
LHAAP-64

LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	FILE PATH
Houston, TX	B. Lu	F. Eidson	K. Everett	T:\GIS\Longhorn\MXD\NFA_Sites\LHAAP64_Soil.mxd

Plot Date: 12/06

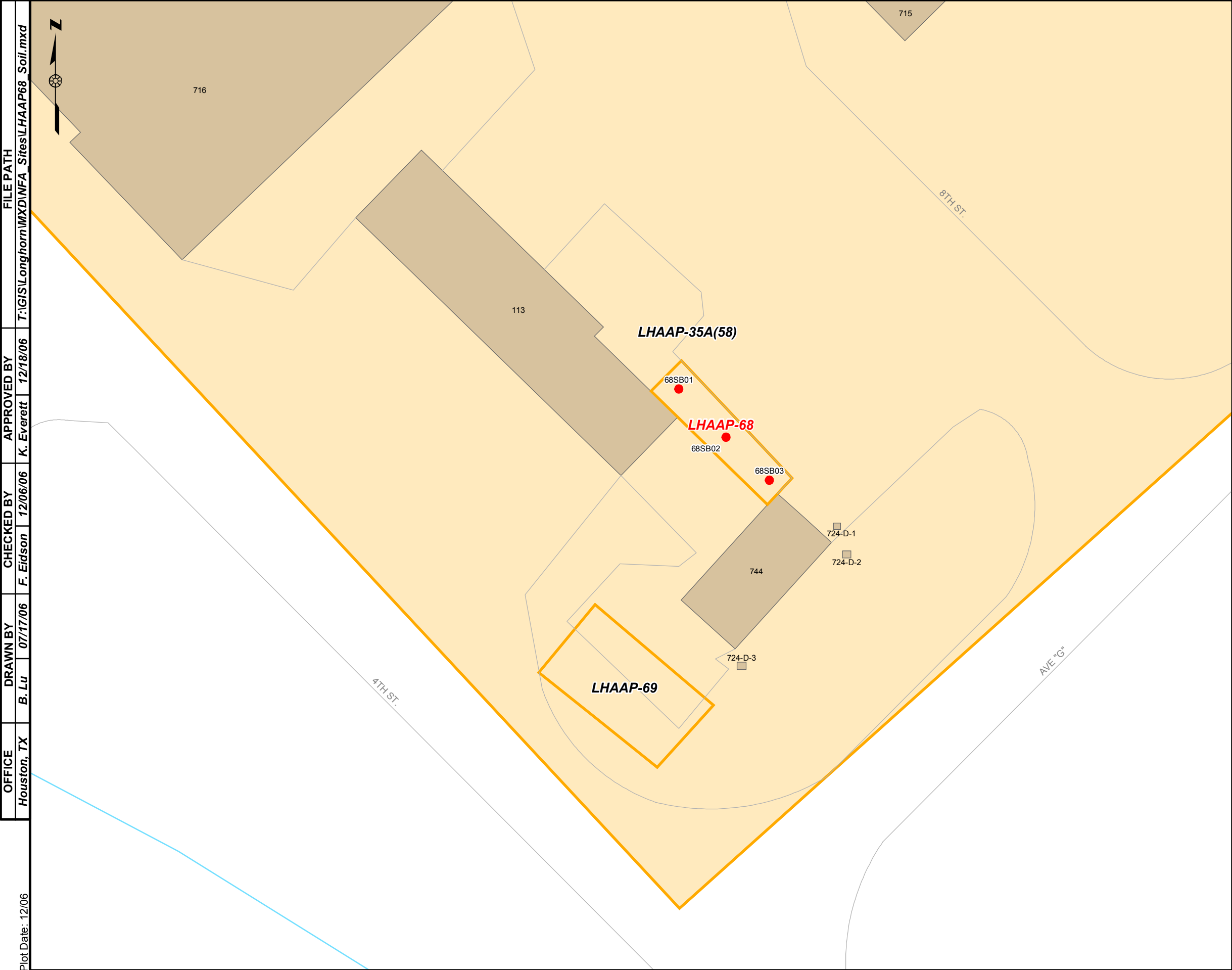


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FIGURE 1-13

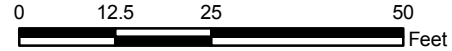
SAMPLE LOCATION MAP
LHAAP-66

LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS



- Legend**
- Soil Boring
 - Stream
 - Road
 - Former Building or Concrete Slab
 - Site

Note:
LHAAP-68 is located within the LHAAP-35A(58) boundary.



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FIGURE 1-14
SAMPLE LOCATION MAP
LHAAP-68

LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS

2.0 *Field Investigations*

This section identifies the specific sample locations that were described in work plans developed for each site, which are cited individually. All sampling activities and analytical methods are described in the Installation-Wide Work Plan (Shaw, 2006a) as modified by addenda to that work plan cited below.

2.1 *LHAAP-06*

At LHAAP-06, Shaw advanced three soil borings denoted 06SB01, 06SB02, and 06SB03 at locations shown in **Figure 1-2**. Soil borings were advanced using a hand auger and two samples were collected from each boring at 0 to 0.5 feet bgs and 3 to 4 feet bgs. Samples were analyzed by SW846 Methods (USEPA, 1997):

- Metals – Method 6020/7471A
- Explosives – Method 8330
- SVOCs – Method 8270
- VOCs – Method 8260

Detailed sample collection and handling procedures are described in the Work Plan Addendum (Shaw, 2006b).

2.2 *LHAAP-07*

At LHAAP-07, Shaw advanced six soil borings denoted 07SB01 through 07SB06 at locations shown in **Figure 1-3**. A hand auger was used to collect two samples from each boring at 0 to 1 feet bgs and 3 to 4 feet bgs. Samples were analyzed by SW-846 Methods (USEPA, 1997) or TCEQ-specified methods:

- VOCs – Method 8260
- SVOCs – Method 8270
- TPHs – TCEQ Method TX1005
- Silver – Method 6010
- Perchlorate – Method 314.0

Detailed sample collection and handling procedures are described in the Work Plan Addendum (Shaw, 2006c).

Historic samples were also included in the data set for evaluation in this report. Two samples, taken from 0 to 0.5 feet bgs and 1 to 2 feet bgs at boring 47SB23, were analyzed for perchlorate

only (Jacobs Engineering Group, 2002). Additional samples that were collected near Sump 070 at LH-S70-01, LH-S70-02, and LHS-3-02 (Jacobs, 2002) were included in the evaluation below.

2.3 LHAAP-51

At LHAAP-51, Shaw advanced five soil borings denoted 51SB01 through 51SB05 at locations shown in **Figure 1-4**. Direct push technology was used to collect samples, or a hand auger was used if the location was inaccessible to the direct push rig. Samples were collected from borings 51SB01 through 51SB03 at 0 to 1 feet bgs and 3 to 4 feet bgs; and at 0 to 1 feet bgs at 51SB04 and 51SB05. One sample was collected at 0 to 0.5 feet bgs each of the 51SB01 and 51SB02 locations.

The 0 to 0.5 feet samples collected at 51SB01 and 51SB02 were analyzed for only silver by Method 6010.

Detailed sample collection and handling procedures are described in the Work Plan Addendum (Shaw, 2006c).

2.4 LHAAP-55

At LHAAP-55, Shaw identified the locations of septic tanks ST-01, ST-02, ST-03, ST-06, ST-07, ST-09, and ST-10. Sampling locations were denoted as 55SB01 through 55SB-07 (**Figures 1-6 through 11**). Because septic tanks ST-04, ST-05, and ST-08 were associated with non-industrial buildings and contamination was not expected, no sampling was conducted in association with these septic tanks (Shaw, 2006d).

Shaw advanced a soil boring at each location using a hand auger, and samples were taken at 1 to 2 feet bgs and 5 to 6 feet bgs.

Samples were analyzed by SW-846 Methods (USEPA, 1997):

- Metals – Method 6020/7471A
- Explosives – Method 8330
- SVOCs – Method 8270
- VOCs – Method 8260

2.5 LHAAP-64

At LHAAP-64, Shaw advanced three soil borings denoted 64SB01 through 64SB03 at locations shown in **Figure 1-12**. A hand auger was used to collect two samples from each boring at 0 to 1 feet bgs and 3 to 5 feet bgs. Samples were analyzed by SW846 Methods (USEPA, 1997 or TCEQ-specified methods):

- VOCs – Method 8260
- SVOCs – Method 8270
- TPHs – TCEQ Method TX1005
- PCBs – Method 8082

Detailed sample collection and handling procedures are described in the Work Plan Addendum (Shaw, 2006e).

2.6 LHAAP-66

Four surface soil samples 1004SS007 through 1004SS010 were collected from the four sides of the transformer pad to the southwest of Building 401 (**Figure 1-13**) by Plexus Scientific, Inc. Sample collection and analysis for PCBs are described in the Plexus (2005) document.

2.7 LHAAP-68

At LHAAP-68, Shaw advanced three soil borings denoted 68SB01 through 68SB03 at locations shown in **Figure 1-14**. A hand auger was used to collect two samples from each boring at 0 to 1 feet bgs and 3 to 5 feet bgs. Samples were analyzed by SW-846 Methods (USEPA, 1997) or TCEQ-specified methods:

- VOCs – Method 8260
- SVOCs – Method 8270
- TPHs – TCEQ Method TX1005

Detailed sample collection and handling procedures are described in the Work Plan Addendum (Shaw, 2006e).

3.0 *Evaluation and Interpretation of Analytical Results*

Decisions related to further action at these sites will be made according to the requirements of the Risk Reduction Rules (RRR) as described in Chapter 335 of Title 30 of the Texas Administrative Code (30TAC§335) as updated by the TCEQ (1998).

Terms used in this report to describe concentrations at or near the detection limit are defined as follows:

Practical quantitation limit (PQL) is the concentration of the lowest non-zero standard in the laboratory's calibration curve adjusted for laboratory reagent matrix type and sample size. The PQL is analogous to the method quantitation limit (MQL) reported by the laboratory and described in Section 7 of SW846-Method 8000B. The PQL is used under the 30 TAC 335 rule to evaluate the capability of the analytical method used by the laboratory to quantitate the chemicals at concentrations below the regulatory level, e.g., the medium specific concentrations (MSCs).

When the PQL of the most sensitive standard available method is greater than the regulatory level, the PQL from that method is used as the regulatory limit in lieu of the MSC as allowed in 30 TAC 335. Upon TCEQ concurrence, that PQL remains the MSC for the life of the work related to the site being investigated if no extenuating circumstance arises and warrants investigating the chemical to lower levels. An example of an extenuating circumstance warranting a change to the PQL used as the MSC and relative to LHAAP would be a substantial change in circumstances that would result in increased risk to human health or the environment.

Sample quantitation limit (SQL) is the PQL adjusted for sample-specific factors affecting the quantitation of the chemical measured in an environmental sample, such as dilution or moisture content, and flagged with a "U" qualifier to indicate the chemical was not detected in the sample.

Method detection limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from the analysis of a sample in a given matrix type containing the analyte [TCEQ, 1998 (Consistency Memorandum, Appendix B.1.1.2)].

The laboratory establishes the MDL for the chemical and verifies the value on at least a quarterly basis using a detectability check sample (DCS) to demonstrate that the laboratory can detect the chemical at that MDL. The DCS is a laboratory reagent grade matrix sample spiked with the chemical at or within two times the laboratory's MDL and carried through the entire sample preparation and analysis procedures.

Sample detection limit (SDL) is the laboratory's MDL for the chemical adjusted for sample-specific factors affecting the detection of the chemical measured in an environmental sample, such as dilution or percent moisture, and flagged or qualified with a "U" or "<" to indicate the chemical was not detected in the sample.

As described in correspondence with the TCEQ, the SDL is used in this document to report nondetected results for chemicals only when the PQL is being used as the regulatory limit in lieu of the MSC for the chemical. The correspondence with the TCEQ is available in the Project Administrative Record.

Note: The analytical data test reports received from the laboratory use similar terms but define the terms differently. The following terms used by the Kemron laboratory are defined relative to the PQL, SQL, and SDL listed above:

- The Kemron laboratory's MQL is as defined in the Consistency Memorandum (Section B.1.1.3).
- The Kemron laboratory's MDL is as defined in the Consistency Memorandum (Section B.1.1.3).
- The Kemron laboratory's "PQL" is analogous to the SQL defined above.
- The Kemron laboratory's "SQL" is analogous to the SDL defined above.

3.1 *Identification of Chemicals of Potential Concern*

Concentrations of chemicals analyzed in soil samples described in **Section 2.0** are shown in **Tables 3-1** through **3-7**.

Analytical data were evaluated as follows:

- Samples with all validation qualifiers were included in the residential risk assessment except for "R"-qualified data, which were rejected from the data set.
- "U" – qualified data indicate undetected concentrations below the method detection limit (MDL) shown
- "J" – qualified data indicate estimated concentrations detected with concentrations measured between the method detection limit and the MQL value shown
- "E" – qualified data indicate measurements exceeding the upper calibration limit, therefore, the concentration is estimated
- "P" – qualified data indicate samples that were analyzed using two different chromatography columns, in which the difference between the two results exceeded quality control limits. These results are included in the data screening values as estimated (J-qualified) values.

The first step in the data evaluation was the selection of chemicals of potential concern (COPC). The COPCs are chemicals that are detected in site media at concentrations that fail one or more highly conservative criteria designed to eliminate chemicals from further evaluation that are unlikely to cause adverse effects. The COPCs for the evaluation were identified using the following criteria:

Essential Nutrients. Calcium, chloride, iron, magnesium, phosphorus, potassium, and sodium are considered as essential nutrients and were eliminated as COPCs (TCEQ, 2001, 2003).

Risk-Based Screening. A risk-based screening step was used to identify chemicals that would contribute significantly to human health risk. The TCEQ medium specific concentration (MSC) values for soil that are protective of human health were used in the screening step (TCEQ, 1998, 2006). The MSC values are soil concentrations that are protective of human health for either cancer or noncancer health effects. In cases where a chemical has both carcinogenic and noncancer toxicity factors, the MSC used represents the lower (more conservative) value.

Background. For metals, a comparison to site-specific background concentrations was used to determine whether detected metal concentrations might be related to LHAAP operations or naturally occurring background levels. The LHAAP-specific background concentrations for soil were developed using data that represent background concentrations for surface (0 to 0.5 feet bgs) and subsurface (1.5 to 2.5 feet bgs) soil (Shaw, 2004). Because the samples collected at the LHAAP sites evaluated in this report were taken at depths varying between 0 and 6 feet bgs, the depth interval of surface and subsurface samples for the LHAAP-sites evaluated in this report and background soil data do not correspond exactly. Therefore, the LHAAP site concentrations were compared to the lower of surface and subsurface background concentrations. This approach provides a more conservative evaluation.

Based on TCEQ recommendations, 95 percent upper prediction limits (UPLs) of the background data sets (Shaw, 2004) were calculated and used in this evaluation (**Table 3-8**). The 95 percent UPL value represents the concentration that will be above the next single measurement with 95 percent confidence, and was calculated as follows.

The distributions of background concentrations are shown in the Final Background Soil Study Report (Shaw, 2004) and are repeated in **Table 3-8**. If the background data have either the normal or lognormal distribution the 95 percent UPL was calculated according to the equation (USEPA, 1992):

$$UPL_{0.95} = X + t_{n-1,0.95} \times S \times (1+1/n)^{1/2} \quad \text{Equation 1}$$

where:

$UPL_{0.95}$	=	the 95 percent UPL
X	=	mean background concentration
$t_{n-1,0.95}$	=	Student's t value for n-1 degrees of freedom and 95 percent confidence
S	=	standard deviation of the mean
n	=	number of samples

If the data were shown to be both normally and lognormally distributed, the distribution having the higher p value above 0.05 was used for the 95 percent UPL calculation. If the data were lognormally distributed, the 95 percent UPL value used (**Table 3-8**) is the antilogarithm of the value calculated by **Equation 1**.

Nonparametric methods were used if the data do not have either the normal or lognormal distribution. The 95 percent UPL concentration was determined by ranking the data from highest to lowest and calculating the 95th percentile rank according to the equation:

$$UPL_{0.95} = 95^{\text{th}} \text{ percentile} = 0.95(n+1) \quad \text{Equation 2}$$

where:

$UPL_{0.95}$	=	concentration occupying the 95 th percentile rank
95 th percentile	=	the 95 th percentile rank of the of the data set
n	=	number of samples

This 95th percentile is the same as the 95 percent UPL according to the assumptions made in **Equation 1**.

3.1.1 Comparison of Concentrations to Medium Specific Concentrations

Under the TCEQ RRR, future use of LHAAP as a wildlife refuge corresponds to commercial/industrial land-use standards, rather than residential standards. Therefore, the MSC concentrations used in the evaluation of soil data are the Risk Reduction Standard 2 SAI-Ind and GWP-Ind values (TCEQ, 2006). The values are protective at a target risk level of 1E-06 for carcinogens and a target hazard quotient of 1 for noncarcinogens. In cases where contaminants have both carcinogenic and non-cancer toxicity factors, the MSC represents the lower (more conservative) value.

The SAI-Ind MSC values are risk-based soil concentrations developed to protect human health from exposure via ingestion, inhalation, and dermal absorption pathways under commercial/industrial land-use assumptions. The GWP-Ind MSC values were developed to protect groundwater resources from leaching of chemicals from soil, and correspond to potential

use of groundwater under commercial/industrial land use assumptions. As with SAI-Ind MSCs, the GWP-Ind values provided in TCEQ (2006) tables are the more conservative MSC if the chemical acts as both a carcinogen and a noncarcinogen.

As provided in the RRR [30TAC§335.559(g)], the applicable MSC for a chemical in soil is the lower of the SAI-Ind and the GWP-Ind. If the MQL or the background concentration is greater than the lower MSC value, the higher value of the MQL or background concentration is the applicable MSC, as provided in [30TAC§335.355(d)].

3.2 Results of Comparisons to Regulatory Concentrations

LHAAP-06

Table 3-1 shows that no chemicals in samples from LHAAP-06 had detected concentrations above the applicable TCEQ risk-based MSC values. Fifteen SVOCs have SDL values that exceed the applicable MSC concentration as a result of dilution, although the chemical was not detected in the sample or in other undiluted samples. Two of the 15 SVOCs, 2,4-dinitrotoluene and 2,6-dinitrotoluene, were not detected when analyzed as explosives, and are not considered further at LHAAP-06. SVOCs such as benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene are polycyclic aromatic hydrocarbons (PAHs) that are used in asphalt pavement commonly found at LHAAP. These SVOCs were not detected in undiluted samples from the same boring locations.

The remaining SVOCs are not related to LHAAP processes. The following information regarding these chemicals describes the origins, uses, and environmental fate of these chemicals (Hazardous Substances Data Bank (HSDB), U.S. National Library of Medicine, 2007). 3,3'-Dichlorobenzidine is an industrial chemical used in the manufacture of azo dyes, as a curing agent for isocyanate-containing polymers, polyurethane elastomers. 4-Bromophenyl phenyl ether was widely used as a flame retardant in polymers, and 4-chlorophenyl phenyl ether was produced in an attempt to develop a dielectric fluid to replace PCBs in capacitors.

Bis-(2-chloroethoxy)methane is a solvent used in the manufacture of polysulfide rubber, and is approved in the manufacture of polysulfide polymer-polyepoxy resins that may be used as food-contact surface of articles intended for packaging dry food, as described in the above HSDB source.

Bis(2-chloroethyl) ether was formerly used in the textile industry and as a solvent in the manufacture of natural and synthetic resins, a scavenger of lead deposits in gasoline, a component in the manufacture of pharmaceuticals, and as a component in an oil solution sprayed on corn silks to control earworms, as described in the above HSDB source.

N-nitrosodi-n-propylamine is among the class of N-nitroso compounds that are produced primarily as research chemicals and is apparently not produced in any significant quantity, as described in the above HSDB source.

Because these SVOCs are identified only as a result of the sample dilution, and are not detected in undiluted samples from the same location (06SB01-01), and are not related to LHAAP manufacturing processes, they are considered to be of no further concern at LHAAP-06.

Pentachlorophenol is used as an industrial wood preservative for utility poles, cross arms, and fence posts, and other items to protect wood from fungal decay and wood-boring insects, a pre-harvest defoliant in cotton, and as a general pre-emergence, non-selective contact herbicide. Because pentachlorophenol was not detected in undiluted samples from the same boring location, its selection in the screening process resulted from dilution of the sample. It is unlikely that any pentachlorophenol is present at LHAAP-06. It is likely a result of maintenance activities to control pests and weeds and is probably not associated with munitions manufacture at LHAAP.

Hexachlorobenzene has been used as a raw material for synthetic rubber, as a plasticizer for polymers, for manufacture of electrodes and dyes, and for military pyrotechnics. Although hexachlorobenzene could be related to manufacture of pyrotechnics at LHAAP, it was not detected in undiluted samples from the same boring location. Therefore, hexachlorobenzene is considered to be of no further concern at LHAAP-06.

LHAAP-07

Table 3-2 shows that five PAH compounds and pentachlorophenol were detected above the applicable MSC in one sample [07SB03(0-1)]. Ten additional SVOCs have SDL values that exceed the applicable MSC concentration as a result of dilution by a factor of 2, although the chemicals were not detected in the sample or in other undiluted samples.

Silver was measured above the screening value in sample 07SB06(0-1).

Fifteen SVOCs were identified in samples 07SB01(3-4) and 07SB04(0-1) as having SDL values that exceed screening criteria as a result of dilution. None of the 15 compounds were detected in any undiluted sample. The SVOCs, except for two dinitrotoluene compounds, are not associated with LHAAP processes, as discussed above for **Table 3-1**.

LHAAP-51

Table 3-3 shows that perchlorate was not detected above the applicable MSC in soil samples from LHAAP-51. Silver was measured above the applicable screening value in sample 51SB02(0-1).

LHAAP-55

Table 3-4 shows that no chemicals except beryllium and lead were detected above the applicable MSCs in soil samples from LHAAP-55. Beryllium and lead were measured above the screening value in samples 55SB03-1-2, and 55SB03-3_0.

LHAAP-64

Table 3-5 shows that Aroclor 1254 was measured above the applicable screening value in sample 64SB03-01 from LHAAP-64. Fifteen SVOCs were identified in samples 64SB01-01, 64SB01-01QC, 64SB02-01, and 64SB03-01 as having SDL values that exceed screening criteria as a result of dilution. None of the 15 compounds were detected in any undiluted sample. The SVOCs, except for two dinitrotoluene compounds, are not associated with LHAAP processes, as discussed above for **Table 3-1**.

LHAAP-66

Table 3-6 shows that Aroclor 1254 was measured above the applicable screening value in sample 1004SS007 from LHAAP-66.

LHAAP-68

Table 3-7 shows that fifteen SVOCs have SDL values that exceed the applicable MSC concentration in samples 68SB01-01, 68SB01-01-QC, and 68SB02-01 as a result of dilution, although the chemical was not detected in the sample or in other undiluted samples. The SVOCs, except for two dinitrotoluene compounds, are not associated with LHAAP processes, as discussed above for **Table 3-1**.

3.3 SPLP Analysis

Locations showing exceedances of applicable MSCs (GWP-Ind) were resampled and subjected to Synthetic Precipitation Leaching Procedure (SPLP) tests as provided in 30 TAC 335.559(g)(2)(B). SPLP sampling and analysis was conducted to determine the applicability of GWP-Ind MSCs at the sites. The rationale for selection of specific SPLP samples and respective analytical parameters are summarized in **Table 3-9**. These locations were resampled in May 2007 by offsetting the SPLP sample a few inches from the original location. In addition to SPLP analyses, these samples were also subjected to total analyses to demonstrate correspondence between the original sample and the SPLP sample.

No samples were collected from LHAAP-06 for SPLP analysis because there were no detected concentrations above MSCs and chemicals with elevated SDLs due to dilution were undetected in undiluted samples from the same location.

Samples 07SB06-01, which contained a measured silver concentration above the MSC, and 07SB04-01, which had a high dilution factor for the 15 SVOCs with elevated SDL values were selected from LHAAP-07 for leachability testing. Leachate from the testing of sample 07SB04-01 was analyzed for SVOCs; leachate from 07SB06-01 was analyzed for silver.

Sample 51SB02-01 from LHAAP-51, which contained a measured silver concentration above the MSC was selected for leachability testing, and analysis of the leachate for silver.

Sample 55SB03-1-2, which contained the maximum lead concentration measured above the MSC, was selected for leachability testing. Both beryllium and lead were analyzed in the leachate.

Sample 64SB03-01, which contained the Aroclor 1254 concentration measured above the MSC, was selected for leachability testing and analysis of the leachate for PCBs and SVOCs. This sample also had SDLs for SVOCs above the respective MSCs.

Sample 1004SS007 from LHAAP-66 was selected for leachability testing and analysis of the leachate for PCBs.

Sample 68SB01-01 from LHAAP-68 was selected for leachability testing and analysis of the leachate for SVOCs.

Results of SPLP leachate analysis of selected samples are shown in **Table 3-10**. All chemical concentrations in leachates from all soil samples were undetected or below the applicable MSC for groundwater (GW-Ind). Concentrations of silver that exceed MSC values in sample 07SB06-01 from LHAAP-07 (shown in **Table 3-2**) and sample 51SB02-01 from LHAAP-51 (shown in **Table 3-3**) meet the requirements of 30 TAC 335.559(g)(2)(B) (**Table 3-10**). Concentrations of beryllium and lead in leachate from sample 55SB031-2 meet the requirements of 30 TAC 335.559(g)(2)(B) also, as do the concentrations of Aroclor 1254 in leachates from sample 64SB03-01 from LHAAP-64 (shown in **Table 3-5**) and in sample 1004SS007 from LHAAP-66 (shown in **Table 3-6**).

Concentrations of silver, beryllium, lead, and Aroclor 1254 measured in soil at concentrations above applicable MSC values at LHAAP-07, LHAAP-51, LHAAP-55, LHAAP-64, and LHAAP-66 are of no further concern. Reanalysis of samples from these sites for total analyte concentrations, in conjunction with the SPLP analyses, (**Table 3-11**) generally confirm the initial analyses (**Tables 3-2 through 3-6**).

Sample 07SB04(0-1), which has SDL concentrations of SVOCs above MSC values at LHAAP-07 (**Table 3-2**), was re-analyzed without dilution (**Table 3-10**). Results confirm that the soil does not contain detected SVOC concentrations. Similarly, sample 68SB01-01, which

has SDL concentrations above MSC concentrations (**Table 3-7**), was reanalyzed to confirm that the soil from LHAAP-68 does not contain detected SVOCs (**Table 3-11**). Sample 64SB03-01, which has SDL concentrations of SVOCs above MSC values at LHAAP-64 (**Table 3-5**), was reanalyzed with a lower dilution factor with the result that SDL concentrations exceed applicable MSCs also (**Table 3-11**).

The results of SPLP analysis and reanalysis of samples without dilution (**Table 3-11**) indicate that chemicals with measured concentrations above applicable MSC values meet the requirements of 30 TAC 335.559(g)(2)(B). The GWP-Ind MSC is, therefore, not applicable for the sites included in this report. A comparison of chemical concentrations to SAI-Ind shows that the concentrations are below the SAI-Ind MSC. The chemicals are thus of no further concern.

Chemicals that were not detected, but were identified as having SDL concentrations above applicable MSCs only because of dilution during analysis, are chemicals not related to LHAAP processes. These chemicals have MQL values above the MSC (GWP-Ind), and have MDL and MQL values that are within a factor of two. The reanalysis of the samples without dilution confirm that the samples do not contain detected concentrations of these chemicals.

Based on analytical results presented above, chemicals in soil at LHAAP-06, 07, 51, 55, 64, 66, and 68 are of no further concern.

Table 3-1
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-06

LOCATION_CODE						Background Concentrations in Soil (95% UPL, mg/kg) ^b		Applicable TCEQ Risk-Based MSC ^c	06SB01-01 29-Aug-06 REG 0 - 0 Ft			06SB01-01-QC 29-Aug-06 FD 0 - 0 Ft			06SB01-02 29-Aug-06 REG 0 - 0 Ft					
SAMPLE_NO		TCEQ Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	Surface	Subsurface		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SAMPLE_DATE		Concentration (MSC)		Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft													
FK_DEPTH																				
SAMPLE_PURPOSE																				
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.1	0.25	NVA	NVA	3.1E+02	0.249	1	U	U	0.243	1	U	U	0.245	1	U	U
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.1	0.25	NVA	NVA	1.0E+00	0.249	1	U	U	0.243	1	U	U	0.245	1	U	U
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.1	0.25	NVA	NVA	5.1E+00	0.249	1	U	U	0.243	1	U	U	0.245	1	U	U
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.1	0.25	NVA	NVA	2.5E-01	0.110	1	U	U	0.110	1	U	U	0.108	1	U	U
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.1	0.26	NVA	NVA	2.6E-01	0.110	1	U	U	0.110	1	U	U	0.108	1	U	U
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.1	0.26	NVA	NVA	1.7E+00	0.259	1	U	U	0.252	1	U	U	0.255	1	U	U
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.1	0.26	NVA	NVA	1.7E+00	0.259	1	U	U	0.252	1	U	U	0.255	1	U	U
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.1	2.20	NVA	NVA	1.0E+02	2.190	1	U	U	2.140	1	U	U	2.160	1	U	U
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.1	0.25	NVA	NVA	1.0E+02	0.249	1	U	U	0.243	1	U	U	0.245	1	U	U
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.1	0.26	NVA	NVA	5.1E+00	0.259	1	U	U	0.252	1	U	U	0.255	1	U	U
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.1	0.25	NVA	NVA	1.0E+02	0.249	1	U	U	0.243	1	U	U	0.245	1	U	U
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.1	0.25	NVA	NVA	1.0E+02	0.249	1	U	UJ	0.243	1	U	UJ	0.245	1	U	UJ
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.1	1.00	NVA	NVA	2.6E+00	0.995	1	U	U	0.971	1	U	U	0.980	1	U	U
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.2	0.65	NVA	NVA	1.0E+02	0.647	1	U	U	0.631	1	U	U	0.637	1	U	U
RANGE_ORGANICS	Carbon Range C12-C28 ^e	1.1E+04	4.1E+02	25	50	NVA	NVA	1.0E+03	49.9	1	J	J	33.4	1	J	J	48.6	1	J	J
RANGE_ORGANICS	CARBON RANGE C28-C35 ^e	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	91.9	1		B	30.7	1	J	B	91.1	1		B
RANGE_ORGANICS	Carbon Range C6-C12 ^f	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	54.3	1	U	U	54.4	1	U	U	53.3	1	U	U
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.165	NVA	NVA	7.0E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.165	NVA	NVA	6.0E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.165	NVA	NVA	7.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.165	NVA	NVA	7.5E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.165	NVA	NVA	1.0E+03	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.165	NVA	NVA	2.6E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.165	NVA	NVA	3.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.165	NVA	NVA	2.0E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.825	NVA	NVA	2.0E+01	0.904	1	U	UJ	0.904	1	U	UJ	17.700	20	U	U
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.165	NVA	NVA	8.2E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.165	NVA	NVA	5.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.165	NVA	NVA	4.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.165	NVA	NVA	5.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.825	NVA	NVA	3.1E+00	0.904	1	U	U	0.904	1	U	U	17.700	20	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.165	NVA	NVA	3.1E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.330	NVA	NVA	3.3E-01	0.181	1	U	U	0.182	1	U	U	3.575	20	U	U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.825	NVA	NVA	3.1E+00	0.904	1	U	U	0.904	1	U	U	17.700	20	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.825	NVA	NVA	2.0E+01	0.904	1	U	U	0.904	1	U	U	17.700	20	U	U
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.165	NVA	NVA	5.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.165	NVA	NVA	4.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.165	NVA	NVA	5.1E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.825	NVA	NVA	7.5E+00	0.904	1	U	U	0.904	1	U	U	17.700	20	U	U
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.825	NVA	NVA	2.0E+01	0.904	5	U	U	0.904	5	U	U	17.700	20	U	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.165	NVA	NVA	3.0E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.165	NVA	NVA	6.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.165	NVA	NVA	3.1E+03	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.165	1.53E-02	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.165	1.54E-02	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.165	1.53E-02	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.165	1.23E-02	NVA	3.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.165	1.30E-02	NVA	3.9E-01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.3300	0.825	NVA	NVA	4.1E+04	0.904	1	U	UJ	0.904	1	U	UJ	17.700	20	U	U
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.0825	0.165	NVA	NVA	3.1E+03	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.5E+02	4.1E+00	0.0825	0.165	NVA	NVA	4.1E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIV																				

Table 3-1
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-06

LOCATION_CODE						Background Concentrations in Soil (95% UPL, mg/kg) ^b		Applicable TCEQ Risk-Based MSC ^c	06SB01-01 29-Aug-06 REG 0 - 0 Ft			06SB01-01-QC 29-Aug-06 FD 0 - 0 Ft			06SB01-02 29-Aug-06 REG 0 - 0 Ft					
SAMPLE_NO		TCEQ Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	Surface	Subsurface		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SAMPLE_DATE																				
FK_DEPTH																				
SAMPLE_PURPOSE																				
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft													
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.165	NVA	NVA	4.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.165	NVA	NVA	2.0E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.165	NVA	NVA	5.0E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.165	NVA	NVA	1.0E+01	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.165	1.43E-02	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.165	NVA	NVA	3.0E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.165	NVA	NVA	2.0E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.165	NVA	NVA	5.1E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.165	NVA	NVA	1.7E-01	0.091	1	U	U	0.091	1	U	U	1.788	20	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.165	NVA	NVA	5.8E+00	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.825	NVA	NVA	8.3E-01	0.363	1	U	U	0.364	1	U	U	3.575	10	U	U
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.165	NVA	NVA	3.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.165	NVA	NVA	3.1E+03	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.165	1.94E-02	NVA	3.1E+02	0.181	1	U	U	0.181	1	U	U	3.540	20	U	U
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	91.0	1			90.6	1			92.3	1		
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E-01	0.0005	0.005	NVA	NVA	1.1E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA	2.0E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA	1.4E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA	7.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.005	NVA	NVA	2.9E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.005	NVA	NVA	3.1E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.005	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.005	NVA	NVA	1.4E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.005	NVA	NVA	2.0E-02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA	6.0E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA	4.7E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.005	NVA	NVA	1.2E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA	7.1E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	2.9E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA	7.5E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.005	NVA	NVA	4.2E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	NVA	NVA	6.1E+03	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.010	NVA	NVA	2.6E-01	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.0005	0.005	NVA	NVA	2.0E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	NVA	NVA	8.7E+01	0.010	1	U	U	0.010	1	U	U	0.003	1	J	B
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.0005	0.005	NVA	NVA	4.8E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.010	NVA	NVA	2.5E+03	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.0005	0.005	NVA	NVA	1.6E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.0005	0.005	NVA	NVA	3.4E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.005	NVA	NVA	4.6E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.005	NVA	NVA	3.6E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Bromomethane	4.9E+00	1.4E-01	0.0010	0.010	NVA	NVA	4.9E+00	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.010	NVA	NVA	4.1E+03	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.005	NVA	NVA	5.2E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.010	NVA	NVA	3.8E+00	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.005	NVA	NVA	5.3E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Dibromochloromethane																			

Table 3-1
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-06

LOCATION_CODE						Background Concentrations in Soil (95% UPL, mg/kg) ^b		Applicable TCEQ Risk-Based MSC ^c	06SB01 06SB01-01 29-Aug-06 REG 0 - 0 Ft			06SB01 06SB01-01-QC 29-Aug-06 FD 0 - 0 Ft			06SB01 06SB01-02 29-Aug-06 REG 0 - 0 Ft					
SAMPLE_NO		TCEQ Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	Surface	Subsurface		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SAMPLE_DATE																				
FK_DEPTH																				
SAMPLE_PURPOSE																				
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft													
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0005	0.010	NVA	NVA	2.0E+02	0.010	1	U	U	0.010	1	U	U	0.001	1	J	B
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.0005	0.005	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.0005	0.005	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.0005	0.005	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.0005	0.005	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.005	NVA	NVA	1.0E+02	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	2.9E+00	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.001	1	J	J
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.010	NVA	NVA	3.1E+03	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.0010	0.010	NVA	NVA	8.0E+02	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.010	NVA	NVA	6.6E-02	0.010	1	U	U	0.010	1	U	U	0.011	1	U	U

Notes:

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.

^b Lower of surface and subsurface soil background concentrations used in these comparisons

^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.
 Shading indicates SDL values that exceed the Applicable MSC given in TCEQ March 2006 guidance.

^e Value shown is the lowest of MSCs for >12-16C, >16-21C, and >21-35C (aromatic) boiling fraction of total petroleum hydrocarbons,

^f Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

^f Value shown is the MSC for the 6C (aliphatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

^g MSC value shown is for m-xylene, the more conservative of m- and p-xylene isomers.

B: Chemical was detected in analytical blank.

FD: Field duplicate sample

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-1
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-06

LOCATION_CODE		TCEQ		Background Concentrations in Soil (95% UPL, mg/kg) ^b		Applicable TCEQ Risk-Based	06SB02	06SB02	06SB02	06SB03	06SB03													
SAMPLE_NO	SAMPLE_DATE	Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation		06SB02-01	06SB02-02	06SB03-01	06SB03-02														
FK_DEPTH	SAMPLE_PURPOSE						29-Aug-06	29-Aug-06	29-Aug-06	29-Aug-06														
				Limit (MDL)	Limit (MQL)	Surface	Subsurface	REG	REG	REG	REG													
						0 - 0.5 Ft	1.5 - 2.5 Ft	0 - 0 Ft	0 - 0 Ft	0 - 0 Ft	0 - 0 Ft													
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a			MSC ^c		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.1	0.25	NVA	NVA	3.1E+02	0.242	1	U	U	0.244	1	U	U	0.249	1	U	U	0.239	1	U	U
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.1	0.25	NVA	NVA	1.0E+00	0.242	1	U	U	0.244	1	U	U	0.249	1	U	U	0.239	1	U	U
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.1	0.25	NVA	NVA	5.1E+00	0.242	1	U	U	0.244	1	U	U	0.249	1	U	U	0.239	1	U	U
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.1	0.25	NVA	NVA	2.5E-01	0.117	1	U	U	0.116	1	U	U	0.114	1	U	U	0.111	1	U	U
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.1	0.26	NVA	NVA	2.6E-01	0.117	1	U	U	0.116	1	U	U	0.114	1	U	U	0.111	1	U	U
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.1	0.26	NVA	NVA	1.7E+00	0.251	1	U	U	0.254	1	U	U	0.259	1	U	U	0.249	1	U	U
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.1	0.26	NVA	NVA	1.7E+00	0.251	1	U	U	0.254	1	U	U	0.259	1	U	U	0.249	1	U	U
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.1	2.20	NVA	NVA	1.0E+02	2.130	1	U	U	2.150	1	U	U	2.190	1	U	U	2.110	1	U	U
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.1	0.25	NVA	NVA	1.0E+02	0.242	1	U	U	0.244	1	U	U	0.249	1	U	U	0.239	1	U	U
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.1	0.26	NVA	NVA	5.1E+00	0.251	1	U	U	0.254	1	U	U	0.259	1	U	U	0.249	1	U	U
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.1	0.25	NVA	NVA	1.0E+02	0.242	1	U	U	0.244	1	U	U	0.249	1	U	U	0.239	1	U	U
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.1	0.25	NVA	NVA	1.0E+02	0.242	1	U	U	0.244	1	U	U	0.249	1	U	U	0.239	1	U	U
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.1	1.00	NVA	NVA	2.6E+00	0.966	1	U	U	0.976	1	U	U	0.995	1	U	U	0.957	1	U	U
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.2	0.65	NVA	NVA	1.0E+02	0.628	1	U	U	0.634	1	U	U	0.647	1	U	U	0.622	1	U	U
RANGE_ORGANICS	Carbon Range C12-C28 ^e	1.1E+04	4.1E+02	25	50	NVA	NVA	1.0E+03	59.6	1			48.8	1	J	J	38.7	1	J	J	33.3	1	J	J
RANGE_ORGANICS	CARBON RANGE C28-C35 ^e	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	64.8	1		B	53.8	1	J	B	35.2	1	J	B	35.6	1	J	B
RANGE_ORGANICS	Carbon Range C6-C12 ^f	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	57.4	1	U	U	56.9	1	U	U	55.6	1	U	U	54.9	1	U	U
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.165	NVA	NVA	7.0E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.165	NVA	NVA	6.0E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.165	NVA	NVA	7.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.165	NVA	NVA	7.5E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.165	NVA	NVA	1.0E+03	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.165	NVA	NVA	2.6E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.165	NVA	NVA	3.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.165	NVA	NVA	2.0E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.825	NVA	NVA	2.0E+01	0.956	1	U	U	0.955	1	U	U	4.660	5	U	U	0.908	1	U	U
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	0.092	1	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	0.092	1	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.165	NVA	NVA	8.2E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.165	NVA	NVA	5.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.165	NVA	NVA	4.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.165	NVA	NVA	5.1E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.825	NVA	NVA	3.1E+00	0.956	1	U	U	0.955	1	U	U	4.660	5	U	U	0.908	1	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.165	NVA	NVA	3.1E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.330	NVA	NVA	3.3E-01	0.193	1	U	U	0.192	1	U	U	0.941	5	U	U	0.183	1	U	U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.825	NVA	NVA	3.1E+00	0.956	1	U	U	0.955	1	U	U	4.660	5	U	U	0.908	1	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.825	NVA	NVA	2.0E+01	0.956	1	U	U	0.955	1	U	U	4.660	5	U	U	0.908	1	U	U
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	0.092	1	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.165	NVA	NVA	5.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.165	NVA	NVA	4.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.165	NVA	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	0.092	1	U	U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.165	NVA	NVA	5.1E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.825	NVA	NVA	7.5E+00	0.956	1	U	U	0.955	1	U	U	4.660	5	U	U	0.908	1	U	U
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.825	NVA	NVA	2.0E+01	0.956	1	U	U	0.955	5	U	U	4.660	5	U	U	0.908	1	U	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.165	NVA	NVA	3.0E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.165	NVA	NVA	6.1E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.165	NVA	NVA	3.1E+03	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	0.182	1	U	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.																					

Table 3-1
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-06

LOCATION_CODE									06SB02	06SB02			06SB02			06SB03			06SB03		
SAMPLE_NO									06SB02-01	06SB02-02			06SB03-01			06SB03-02					
SAMPLE_DATE									29-Aug-06	29-Aug-06			29-Aug-06			29-Aug-06					
FK_DEPTH									REG	REG			REG			REG					
SAMPLE_PURPOSE									0 - 0 Ft	0 - 0 Ft			0 - 0 Ft			0 - 0 Ft					
Test Group	Parameter (Units = mg/kg)	TCEQ		Method Detection	Method Quantitation	Background Concentrations in Soil (95% UPL, mg/kg) ^b		Applicable TCEQ Risk-Based	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	
		Medium-Specific Concentration (MSC)				Surface	Subsurface														0 - 0.5 Ft
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.165	NVA	NVA	4.1E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.165	NVA	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.165	NVA	NVA	2.0E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.165	NVA	NVA	5.0E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.165	NVA	NVA	1.0E+01	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.165	1.43E-02	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.165	NVA	NVA	3.0E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.165	NVA	NVA	2.0E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.165	NVA	NVA	5.1E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.165	NVA	NVA	1.7E-01	0.096	1	U	U	0.096	1	U	U	0.470	5	U	U	
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.165	NVA	NVA	5.8E+00	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.825	NVA	NVA	8.3E-01	0.385	1	U	U	0.384	1	U	U	1.881	5	U	U	
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.165	NVA	NVA	3.1E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.165	NVA	NVA	3.1E+03	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.165	1.94E-02	NVA	3.1E+02	0.191	1	U	U	0.191	1	U	U	0.932	5	U	U	
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	85.7	1			85.9	1			87.7	1			
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.005	NVA	NVA	1.1E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA	2.0E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA	1.4E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA	7.0E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.005	NVA	NVA	2.9E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.005	NVA	NVA	3.1E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.005	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U	
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.005	NVA	NVA	1.4E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.005	NVA	NVA	2.0E-02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U	
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA	6.0E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA	4.7E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.005	NVA	NVA	1.2E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA	7.1E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	2.9E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA	7.5E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.005	NVA	NVA	4.2E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	NVA	NVA	6.1E+03	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.010	NVA	NVA	2.6E-01	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.0005	0.005	NVA	NVA	2.0E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	NVA	NVA	8.7E+01	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.0005	0.005	NVA	NVA	4.8E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.010	NVA	NVA	2.5E+03	0.010	1	U	U	0.011	1	U	U	0.014	1			
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.0005	0.005	NVA	NVA	1.6E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.0005	0.005	NVA	NVA	3.4E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.005	NVA	NVA	4.6E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.005	NVA	NVA	3.6E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.010	NVA	NVA	4.9E+00	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.010	NVA	NVA	4.1E+03	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.005	NVA	NVA	5.2E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.010	NVA	NVA	3.8E+00	0.010	1	U	U	0.								

Table 3-1
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-06

LOCATION_CODE									06SB02												06SB03											
SAMPLE_NO									06SB02-01												06SB03-01											
SAMPLE_DATE									29-Aug-06												29-Aug-06											
FK_DEPTH									REG												REG											
SAMPLE_PURPOSE									0 - 0 Ft												0 - 0 Ft											
Test Group	Parameter (Units = mg/kg)	TCEQ		Method Detection	Method Quantitation	Background Concentrations in Soil (95% UPL, mg/kg) ^b		Applicable TCEQ Risk-Based	06SB02				06SB02-02				06SB03-01				06SB03-02											
		Medium-Specific Concentration (MSC)				Surface	Subsurface		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual								
		SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c																								
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0005	0.010	NVA	NVA	2.0E+02	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U								
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.0005	0.005	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U								
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.0005	0.005	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U								
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U								
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.0005	0.005	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U								
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U								
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.0005	0.005	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U								
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U								
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.005	NVA	NVA	1.0E+02	0.005	1	U	U	0.001	1	J	J	0.005	1	U	U	0.006	1	U	U								
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U								
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	2.9E+00	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U								
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.005	1	U	U	0.006	1	U	U								
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.010	NVA	NVA	3.1E+03	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U								
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.0010	0.010	NVA	NVA	8.0E+02	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U								
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.010	NVA	NVA	6.6E-02	0.010	1	U	U	0.011	1	U	U	0.009	1	U	U	0.012	1	U	U								

Notes:

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.

^b Lower of surface and subsurface soil background concentrations used in these comparisons

^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TACS335.

^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors. Shading indicates SDL values that exceed the Applicable MSC given in TCEQ March 2006 guidance.

^e Value shown is the lowest of MSCs for >12-16C, >16-21C, and >21-35C (aromatic) boiling fraction of total petroleum hydrocarbons,

^f Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

^f Value shown is the MSC for the 6C (aliphatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

^g MSC value shown is for m-xylene, the more conservative of m- and p-xylene isomers.

B: Chemical was detected in analytical blank.

FD: Field duplicate sample

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION__CODE		TCEQ						Background Concentrations in Soil		Applicable TCEQ Risk-Based MSC ^c	07SB01 07SB01(0-1) 29-Jun-06				07SB01 07SB01(3-4) 29-Jun-06				07SB02 07SB02(0-1) 29-Jun-06			
SAMPLE_NO	SAMPLE_DATE	Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	(95% UPL, mg/kg) ^b		REG 0 - 1 Ft	REG 3 - 4 Ft		REG 0 - 1 Ft	REG 3 - 4 Ft	REG 0 - 1 Ft	REG 3 - 4 Ft	REG 0 - 1 Ft	REG 3 - 4 Ft						
FK_DEPTH	SAMPLE_PURPOSE	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft															
Test Group	Parameter (Units = mg/kg)																					
METALS	Silver	2.9E+03	5.1E+01	0.25	2	3.1E-01	3.70 E-01	5.1E+01	3.290	2	U	U	1.700	1	U	U	1.660	1	U	U		
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NVA	NVA	7.2E+00	0.106	1			0.005	1	J	J	0.143	1				
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	31.2	1	J	B	34.6	1	J	B	40.5	1	J	B		
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	64.4	1		B	57.1	1		B	44.8	1	J	B		
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	55.0	1	U	U	56.8	1	U	U	56.0	1	U	U		
RANGE_ORGANICS	Carbon Range C6-C35 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02														
SEMIVOLATILES	1,1'-Biphenyl	2.7E+02	5.1E+02	0.0825	0.1650	NVA	NVA	2.7E+02	0.183	1	U	U	0.379	2	U	U	0.185	1	U	U		
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.898	1	U	U	1.850	2	U	U	0.901	1	U	U		
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U		
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U		
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.898	1	U	U	1.850	2	U	U	0.901	1	U	U		
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01	0.183	1	U	UJL	0.379	2	U	UJL	0.185	1	U	UJL		
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.898	1	U	U	1.850	2	U	U	0.901	1	U	U		
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.898	1	U	U	1.850	2	U	U	0.901	1	U	U		
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U		
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U		
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00	0.898	1	U	U	1.850	2	U	U	0.901	1	U	U		
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.898	1	U	U	1.850	2	U	U	0.901	1	U	U		
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	Acetophenone	4.3E+03	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	Atrazine	1.3E+02	3.0E-01	0.0825	0.1650	NVA	NVA	3.0E-01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	Benzaldehyde	4.5E+02	1.0E+03	0.0825	0.1650	NVA	NVA	4.5E+02	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01	0.142	1	J	J	0.189	2	U	U	0.093	1	U	U		
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54 E-02	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U		
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01	0.153	1	J	J	0.189	2	U	U	0.093	1	U	U		
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23 E-02	NVA	3.1E+02	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30 E-02	NVA	3.9E-01	0.147	1	J	J	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U		
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.092	1	U	U	0.189	2	U	U	0.093	1	U	U		
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03	0.180	1	U	U	0.370	2	U	U	0.180	1	U	U		

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION__CODE		TCEQ						Background Concentrations in Soil		Applicable TCEQ Risk-Based MSC ^c	07SB01 07SB01(0-1) 29-Jun-06				07SB01 07SB01(3-4) 29-Jun-06				07SB02 07SB02(0-1) 29-Jun-06				
SAMPLE_NO	SAMPLE_DATE	Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	(95% UPL, mg/kg) ^b		REG 0 - 1 Ft				REG 3 - 4 Ft				REG 0 - 1 Ft							
FK_DEPTH	SAMPLE_PURPOSE					Surface	Subsurface																
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft					Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	Caprolactam	5.1E+05	5.1E+03	0.0825	0.1650	NVA	NVA	5.1E+03				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Carbazole	1.4E+02	1.4E+00	0.0825	0.1650	NVA	NVA	1.4E+00				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51 E-02	NVA	3.9E+00				0.175	1	J	J	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01				0.092	1	U	U	0.189	2	U	U	0.093	1	U	U
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03				0.295	1			0.370	2	U	U	0.170	1	J	J
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29 E-02	NVA	4.1E+02				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01				0.092	1	U	U	0.189	2	U	U	0.093	1	U	U
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43 E-02	NVA	1.7E-01				0.092	1	U	U	0.189	2	U	U	0.093	1	U	U
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	3.12 E-03	NVA	2.0E+02				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01				0.092	1	U	U	0.189	2	U	U	0.093	1	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01				0.092	1	U	U	0.947	10	U	U	0.093	1	U	U
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.3300	0.8250	NVA	NVA	3.1E+02				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03				0.180	1	U	U	0.370	2	U	U	0.180	1	U	U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02				0.146	1	J	J	0.370	2	U	U	0.180	1	U	U
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--				90.1	1			87.1	1			89.0	1		
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA	2.0E+01				0.001	1	J	JH	0.471	1	E	J	0.020	1		
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA	1.4E+00				0.006	1	U	U	0.009	1	U	U	0.006	1	U	U
VOLATILES	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon : 113)	6.0E+04	3.1E+05	0.0005	0.010	NVA	NVA	6.0E+04				0.012	1	U	U	0.019	1	U	U	0.013	1	U	U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01				0.006	1	U	U	0.009	1	U	U	0.006	1	U	U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.001	0.005	NVA	NVA	1.0E+03				0.003	1	J	JH	0.279	1			0.009	1		
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA	7.0E-01				0.006	1	U	U	0.297	1			0.002	1	J	J
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00				0.006	1	U	U	0.009	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.002	0.005	0.005	NVA	2.0E-02				0.006	1	U	U	0.009	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA	5.0E-03				0.001	1	U	U	0.001	1	U	U	0.001	1	U	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA	6.0E+01				0.006	1	U	U	0.009	1	U	U	0.006	1	U	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA	4.7E-01				0.006	1	U	U	0.004	1	J	J	0.006	1	U	U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01				0.006	1	U	U	0.009	1	U	U	0.006	1	U	U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA	7.1E+01				0.006	1	U	U	0.009	1	U	U	0.006	1	U	U
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA	7.5E+00				0.006	1	U	U	0.009	1	U	U	0.006	1	U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	4.46 E-02	NVA	6.1E+03				0.012	1	U	U	0.019	1	U	U	0.013	1	U	U
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	2.48 E-02	NVA	8.7E+01				0.012	1	U	U	0.019	1	U	U	0.013	1	U	U

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION__CODE										07SB01	07SB01			07SB02			
SAMPLE_NO						Background		Applicable TCEQ Risk-Based MSC ^c	07SB01(0-1)	07SB01(3-4)			07SB02(0-1)				
SAMPLE_DATE						Concentrations in Soil			29-Jun-06	29-Jun-06			29-Jun-06				
FK_DEPTH						(95% UPL, mg/kg) ^b				REG			REG				
SAMPLE_PURPOSE		TCEQ		Method		Method			Surface	Subsurface	0 - 1 Ft			0 - 1 Ft			
		Concentration (MSC)		Detection		Quantitation											
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft			Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.010	8.88 E-01	NVA	2.5E+03		0.012	1	U	UJ	0.019	1	U	UJ
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01		0.006	1	U	U	0.009	1	U	U
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.005	NVA	NVA	4.6E-01		0.006	1	U	U	0.009	1	U	U
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.005	NVA	NVA	3.6E+00		0.006	1	U	U	0.009	1	U	U
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.010	NVA	NVA	4.9E+00		0.012	1	U	UJ	0.019	1	U	UJ
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03		0.006	1	U	U	0.009	1	U	U
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01		0.006	1	U	U	0.009	1	U	U
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01		0.006	1	U	U	0.009	1	U	U
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.010	NVA	NVA	4.1E+03		0.012	1	U	U	0.019	1	U	U
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.005	NVA	NVA	5.2E-01		0.006	1	U	U	0.009	1	U	U
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.010	NVA	NVA	3.8E+00		0.012	1	U	U	0.019	1	U	U
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00		0.006	1	U	U	0.084	1	J	J
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.005	NVA	NVA	5.3E-01		0.006	1	U	U	0.009	1	U	U
VOLATILES	Cyclohexane	1.7E+04	5.1E+04	0.0005	0.010	NVA	NVA	1.7E+04		0.012	1	U	U	0.019	1	U	U
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.005	NVA	NVA	3.4E+00		0.006	1	U	U	0.009	1	U	U
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.010	NVA	NVA	2.0E+03		0.012	1	U	U	0.019	1	U	U
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.005	NVA	NVA	7.0E+01		0.006	1	U	U	0.009	1	U	U
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03		0.006	1	U	U	0.009	1	U	U
VOLATILES	Methyl Acetate	3.0E+03	1.0E+04	0.0010	0.010	NVA	NVA	3.0E+03		0.012	1	U	U	0.019	1	U	U
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.010	NVA	NVA	8.2E+02		0.012	1	U	U	0.019	1	U	U
VOLATILES	Methyl tert-butyl ether	7.1E+02	1.0E+02	0.0010	0.005	NVA	NVA	1.0E+02		0.006	1	U	U	0.009	1	U	U
VOLATILES	Methylcyclohexane	1.0E+04	5.1E+04	0.0010	0.010	NVA	NVA	1.0E+04		0.012	1	U	U	0.019	1	U	U
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.005	NVA	NVA	5.0E-01		0.006	1	U	U	0.009	1	U	U
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.005	6.90 E-03	NVA	1.0E+01		0.006	1	U	U	0.009	1	U	U
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01		0.006	1	U	U	0.029	1		
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.005	NVA	NVA	1.0E+02		0.006	1	U	U	0.009	1	U	U
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01		0.006	1	U	U	0.009	1	U	U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	2.9E+00		0.006	1	U	U	0.009	1	U	U
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01		0.006	1	U	U	0.082	1		
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.010	NVA	NVA	3.1E+03		0.012	1	U	U	0.019	1	U	U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.010	NVA	NVA	6.6E-02		0.012	1	U	U	0.019	1	U	U
VOLATILES	Xylenes, Total	8.3E+02	1.0E+03	0.0005	0.005	8.90 E-03	NVA	8.3E+02		0.006	1	U	U	0.009	1	U	U

Notes:

Blank results cells indicate sample was not analyzed for that chemical

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.^b Lower of surface and subsurface soil background concentrations used in these comparisons^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors. Shading indicates SDL values that exceed the Applicable MSC given in TCEQ March 2006 guidance.^e Sample was chosen for SPLP analysis by SW-846 method 1312.^f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.^g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

B Chemical was detected in quality control analytical blank sample.

FD: Field duplicate sample

H: Estimate is high.

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

L: Estimate is low.

NE: Value not established

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION__CODE		TCEQ				Background Concentrations in Soil		Applicable TCEQ Risk-Based MSC ^c	07SB02 07SB02(0-1)DUP 29-Jun-06				07SB02 07SB02(3-4) 29-Jun-06				07SB03 07SB03(0-1) ^e 28-Jun-06								
SAMPLE_NO		Method Detection		Method Quantitation	(95% UPL, mg/kg) ^b		FD 0 - 1 Ft		REG 3 - 4 Ft			REG 0 - 1 Ft													
SAMPLE_DATE		Concentration (MSC)			Surface	Subsurface			DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual						
FK_DEPTH		SAI-Ind ^a		GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft																	
SAMPLE_PURPOSE		Parameter (Units = mg/kg)																							
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual					
METALS	Silver	2.9E+03	5.1E+01	0.25	2	3.1E-01	3.70 E-01	5.1E+01	1.660	1	U	U	1.950	1	U	U	1.770	1	U	U					
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NVA	NVA	7.2E+00	0.120	1			0.010	1	U	U	0.085	1							
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	30.2	1	J	B	66.2	1	J	B	34.0	1	J	B					
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	35.2	1	J	B	56.1	1	J	B	51.1	1	J	B					
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	56.0	1	U	U	66.5	1	U	U	63.3	1	U	U					
RANGE_ORGANICS	Carbon Range C6-C35 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02									73.4	1							
SEMIVOLATILES	1,1'-Biphenyl	2.7E+02	5.1E+02	0.0825	0.1650	NVA	NVA	2.7E+02	0.185	1	U	U	0.220	1	U	U	0.419	2	U	U					
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.897	1	U	U	1.070	1	U	U	2.070	2	U	U					
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U	0.209	2	U	U					
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U	0.209	2	U	U					
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.897	1	U	U	1.070	1	U	U	2.070	2	U	U					
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01	0.185	1	U	UJL	0.220	1	U	UJL	0.419	2	U	UJL					
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.897	1	U	U	1.070	1	U	U	2.070	2	U	U					
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.897	1	U	U	1.070	1	U	U	2.070	2	U	U					
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U	0.209	2	U	U					
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.179	1	U	U	0.215	1	U	U	0.415	2	U	UJL					
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U	0.209	2	U	U					
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00	0.897	1	U	U	1.070	1	U	U	2.070	2	U	U					
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.897	1	U	U	1.070	1	U	U	2.070	2	U	U					
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	Acetophenone	4.3E+03	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	Atrazine	1.3E+02	3.0E-01	0.0825	0.1650	NVA	NVA	3.0E-01	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	Benzaldehyde	4.5E+02	1.0E+03	0.0825	0.1650	NVA	NVA	4.5E+02	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U	0.454	2							
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54 E-02	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U	1.140	2							
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U	1.710	2							
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23 E-02	NVA	3.1E+02	0.179	1	U	U	0.215	1	U	U	0.556	2							
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30 E-02	NVA	3.9E-01	0.179	1	U	U	0.215	1	U	U	1.560	2							
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U	0.209	2	U	U					
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U	0.209	2	U	U					
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01	0.179	1	U	U	0.183	1	J	J	0.415	2	U	U					
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03	0.179	1	U	U	0.215	1	U	U	0.415	2	U	U					

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION__CODE										07SB02		07SB02		07SB03		
SAMPLE_NO						Background		Applicable TCEQ Risk-Based	07SB02(0-1)DUP		07SB02(3-4)		07SB03(0-1) ^e			
SAMPLE_DATE						Concentrations in Soil			29-Jun-06		29-Jun-06		28-Jun-06			
FK_DEPTH						(95% UPL, mg/kg) ^b			FD		REG		REG			
SAMPLE_PURPOSE						Surface Subsurface			0 - 1 Ft		3 - 4 Ft		0 - 1 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	Caprolactam	5.1E+05	5.1E+03	0.0825	0.1650	NVA	NVA	5.1E+03	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Carbazole	1.4E+02	1.4E+00	0.0825	0.1650	NVA	NVA	1.4E+00	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51 E-02	NVA	3.9E+00	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	0.152	1	J	J	0.199	1	J	J
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29 E-02	NVA	4.1E+02	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43 E-02	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	3.12 E-03	NVA	2.0E+02	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	0.093	1	U	U	0.110	1	U	U
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.3300	0.8250	NVA	NVA	3.1E+02	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.179	1	U	U	0.215	1	U	U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02	0.179	1	U	U	0.215	1	U	U
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	89.0	1			74.9	1		
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA	2.0E+01	0.032	1			1.360	1	J	J
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA	1.4E+00	0.006	1	U	U	0.009	1	U	U
VOLATILES	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon : 113)	6.0E+04	3.1E+05	0.0005	0.010	NVA	NVA	6.0E+04	0.012	1	U	U	0.019	1	U	U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.002	1	J	J
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.001	0.005	NVA	NVA	1.0E+03	0.014	1			0.617	1	J	J
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA	7.0E-01	0.005	1	J	J	0.622	1	J	J
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	0.006	1	U	U	0.009	1	U	U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.002	0.005	0.005	NVA	2.0E-02	0.006	1	U	U	0.009	1	U	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA	6.0E+01	0.006	1	U	U	0.009	1	U	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA	4.7E-01	0.006	1	U	U	0.004	1	J	J
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.009	1	U	U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA	7.1E+01	0.006	1	U	U	0.009	1	U	U
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA	7.5E+00	0.006	1	U	U	0.009	1	U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	4.46 E-02	NVA	6.1E+03	0.012	1	U	U	0.019	1	U	U
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	2.48 E-02	NVA	8.7E+01	0.012	1	U	U	0.019	1	U	U

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION__CODE										07SB02				07SB02				07SB03						
SAMPLE_NO								Applicable TCEQ Risk-Based MSC ^c	07SB02(0-1)DUP 29-Jun-06				07SB02(3-4) 29-Jun-06				07SB03(0-1) ^e 28-Jun-06							
SAMPLE_DATE		TCEQ							Concentrations in Soil (95% UPL, mg/kg) ^b				FD 0 - 1 Ft				REG 3 - 4 Ft				REG 0 - 1 Ft			
FK_DEPTH		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation				Surface		Subsurface													
SAMPLE_PURPOSE																								
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft																	
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.010	8.88 E-01	NVA	2.5E+03	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual				
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.012	1	U	UJ	0.019	1	U	UJ	0.018	1	U	UJ				
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.005	NVA	NVA	4.6E-01	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.005	NVA	NVA	3.6E+00	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.010	NVA	NVA	4.9E+00	0.012	1	U	UJ	0.019	1	U	UJ	0.018	1	U	UJ				
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.010	NVA	NVA	4.1E+03	0.012	1	U	U	0.019	1	U	U	0.018	1	U	U				
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.005	NVA	NVA	5.2E-01	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.010	NVA	NVA	3.8E+00	0.012	1	U	U	0.019	1	U	U	0.018	1	U	U				
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	0.007	1			0.313	1			0.009	1	U	U				
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.005	NVA	NVA	5.3E-01	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Cyclohexane	1.7E+04	5.1E+04	0.0005	0.010	NVA	NVA	1.7E+04	0.012	1	U	U	0.019	1	U	U	0.018	1	U	U				
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.005	NVA	NVA	3.4E+00	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.010	NVA	NVA	2.0E+03	0.012	1	U	U	0.019	1	U	U	0.018	1	U	U				
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.005	NVA	NVA	7.0E+01	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Methyl Acetate	3.0E+03	1.0E+04	0.0010	0.010	NVA	NVA	3.0E+03	0.012	1	U	U	0.019	1	U	U	0.018	1	U	U				
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.010	NVA	NVA	8.2E+02	0.012	1	U	U	0.019	1	U	U	0.018	1	U	U				
VOLATILES	Methyl tert-butyl ether	7.1E+02	1.0E+02	0.0010	0.005	NVA	NVA	1.0E+02	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Methylcyclohexane	1.0E+04	5.1E+04	0.0010	0.010	NVA	NVA	1.0E+04	0.012	1	U	U	0.019	1	U	U	0.018	1	U	U				
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.002	1	J	B	0.009	1	U	U				
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.005	6.90 E-03	NVA	1.0E+01	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.005	NVA	NVA	1.0E+02	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01	0.006	1	U	U	0.002	1	J	J	0.009	1	U	U				
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	2.9E+00	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.013	1			0.256	1			0.005	1	J	J				
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.010	NVA	NVA	3.1E+03	0.012	1	U	U	0.019	1	U	U	0.018	1	U	U				
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.010	NVA	NVA	6.6E-02	0.012	1	U	U	0.010	1	J	J	0.018	1	U	U				
VOLATILES	Xylenes, Total	8.3E+02	1.0E+03	0.0005	0.005	8.90 E-03	NVA	8.3E+02	0.006	1	U	U	0.009	1	U	U	0.009	1	U	U				

Notes:

Blank results cells indicate sample was not analyzed for that chemical

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.^b Lower of surface and subsurface soil background concentrations used in these comparisons^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates SDL values that exceed the Applicable MSC given in TCEQ March 2006 guidance.

^e Sample was chosen for SPLP analysis by SW-846 method 1312.^f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.^g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

B Chemical was detected in quality control analytical blank sample.

FD: Field duplicate sample

H: Estimate is high.

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

L: Estimate is low.

NE: Value not established

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	07SB03				07SB04				07SB04				
SAMPLE_NO									07SB03(3-4)				07SB04(0-1) ^e				07SB04(3-4)				
SAMPLE_DATE									28-Jun-06				28-Jun-06				28-Jun-06				
FK_DEPTH									REG				REG				REG				
SAMPLE_PURPOSE									3 - 4 Ft				0 - 1 Ft				3 - 4 Ft				
		TCEQ		Method		Method		Concentrations in Soil													
		Concentration (MSC)		Detection		Quantitation		(95% UPL, mg/kg) ^b		Surface		Subsurface									
										0 - 0.5 Ft		1.5 - 2.5 Ft									
Test Group		Parameter (Units = mg/kg)		SAI-Ind ^a		GWP-Ind ^a		Limit (MDL)		Limit (MQL)											
METALS		Silver	2.9E+03	5.1E+01	0.25	2	3.1E-01	3.70 E-01													
PERC		Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NVA	NVA													
RANGE_ORGANICS		Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA													
RANGE_ORGANICS		CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA													
RANGE_ORGANICS		Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA													
RANGE_ORGANICS		Carbon Range C6-C35 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA													
SEMIVOLATILES		1,1'-Biphenyl	2.7E+02	5.1E+02	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA													
SEMIVOLATILES		2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA													
SEMIVOLATILES		2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA													
SEMIVOLATILES		3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA													
SEMIVOLATILES		4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA													
SEMIVOLATILES		4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA													
SEMIVOLATILES		4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA													
SEMIVOLATILES		Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		Acetophenone	4.3E+03	1.0E+03	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		Atrazine	1.3E+02	3.0E-01	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		Benzaldehyde	4.5E+02	1.0E+03	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA													
SEMIVOLATILES		Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54 E-02	NVA													
SEMIVOLATILES		Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA													
SEMIVOLATILES		Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23 E-02	NVA													
SEMIVOLATILES		Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30 E-02	NVA													
SEMIVOLATILES		bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA													
SEMIVOLATILES		Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA													

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION_CODE												07SB03		07SB04				07SB04					
SAMPLE_NO												07SB03(3-4)		07SB04(0-1) ^e				07SB04(3-4)					
SAMPLE_DATE												28-Jun-06		28-Jun-06				28-Jun-06					
FK_DEPTH												REG		REG				REG					
SAMPLE_PURPOSE												3 - 4 Ft		0 - 1 Ft				3 - 4 Ft					
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	TCEQ Risk-Based		MSC ^c		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	Caprolactam	5.1E+05	5.1E+03	0.0825	0.1650	NVA	NVA	5.1E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Carbazole	1.4E+02	1.4E+00	0.0825	0.1650	NVA	NVA	1.4E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51 E-02	NVA	3.9E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U			
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29 E-02	NVA	4.1E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U			
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43 E-02	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U			
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	3.12 E-03	NVA	2.0E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U			
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	0.102	1	U	U	0.496	5	U	U	0.093	1	U	U			
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.3300	0.8250	NVA	NVA	3.1E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02	0.196	1	U	U	0.975	5	U	U	0.182	1	U	U			
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	80.9	1			83.1	1			88.8	1					
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA	2.0E+01	0.002	1	J	J	0.003	1	J	J	0.015	1					
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA	1.4E+00	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon :)	6.0E+04	3.1E+05	0.0005	0.010	NVA	NVA	6.0E+04	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U			
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.001	0.005	NVA	NVA	1.0E+03	0.009	1			0.008	1	U	U	0.005	1	J	J			
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA	7.0E-01	0.001	1	J	J	0.008	1	U	U	0.001	1	J	J			
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.002	0.005	0.005	NVA	2.0E-02	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U			
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA	6.0E+01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA	4.7E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA	7.1E+01	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA	7.5E+00	0.006	1	U	U	0.008	1	U	U	0.006	1	U	U			
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	4.46 E-02	NVA	6.1E+03	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U			
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	2.48 E-02	NVA	8.7E+01	0.012	1	U	U	0.016	1	U	U	0.011	1	U	U			

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION__CODE										07SB03		07SB04				07SB04			
SAMPLE_NO										07SB03(3-4)		07SB04(0-1) ^e				07SB04(3-4)			
SAMPLE_DATE										28-Jun-06		28-Jun-06				28-Jun-06			
FK_DEPTH										REG		REG				REG			
SAMPLE_PURPOSE										3 - 4 Ft		0 - 1 Ft				3 - 4 Ft			
										TCEQ									
										Risk-Based									
										MSC ^c									
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
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										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
										Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			

Notes:

Blank results cells indicate sample was not analyzed for that chemical

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.^b Lower of surface and subsurface soil background concentrations used in these comparisons^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates SDL values that exceed the Applicable MSC given in TCEQ March 2006 guidance.

^e Sample was chosen for SPLP analysis by SW-846 method 1312.^f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.^g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

B: Chemical was detected in quality control analytical blank sample.

FD: Field duplicate sample

H: Estimate is high.

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

L: Estimate is low.

NE: Value not established

NVA: No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION_CODE										07SB05				07SB05				07SB06			
SAMPLE_NO		TCEQ				Background		Applicable TCEQ Risk-Based MSC ^c	07SB05(0-1)				07SB05(3-4)				07SB06(0-1) ^e				
SAMPLE_DATE		Concentration (MSC)		Method Detection	Method Quantitation	Concentrations in Soil			29-Jun-06				29-Jun-06				29-Jun-06				
FK_DEPTH						(95% UPL, mg/kg) ^b			REG				REG				REG				
SAMPLE_PURPOSE						Surface	Subsurface		0 - 1 Ft				3 - 4 Ft				0 - 1 Ft				
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	
METALS	Silver	2.9E+03	5.1E+01	0.25	2	3.1E-01	3.70 E-01	5.1E+01									56.3	1			
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NVA	NVA	7.2E+00	0.007	1	J	J	0.040	4	U	U	0.010	1	U	U	
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02									29.1	1	J	B	
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02									50.2	1	J	B	
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02									54.0	1	U	U	
RANGE_ORGANICS	Carbon Range C6-C35 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02													
SEMIVOLATILES	1,1'-Biphenyl	2.7E+02	5.1E+02	0.0825	0.1650	NVA	NVA	2.7E+02									0.178	1	U	U	
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03									0.172	1	U	U	
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00									0.172	1	U	U	
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01									0.172	1	U	U	
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02									0.172	1	U	U	
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01									0.860	1	U	U	
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01									0.089	1	U	U	
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01									0.089	1	U	U	
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02									0.172	1	U	U	
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01									0.172	1	U	U	
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01									0.172	1	U	U	
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02									0.172	1	U	U	
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00									0.860	1	U	U	
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00									0.172	1	U	U	
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01									0.178	1	U	UJL	
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00									0.860	1	U	U	
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01									0.860	1	U	U	
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01									0.089	1	U	U	
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01									0.172	1	U	U	
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01									0.172	1	U	U	
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01									0.089	1	U	U	
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01									0.172	1	U	U	
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00									0.860	1	U	U	
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01									0.860	1	U	U	
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01									0.172	1	U	U	
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02									0.172	1	U	U	
SEMIVOLATILES	Acetophenone	4.3E+03	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03									0.172	1	U	U	
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03									0.172	1	U	U	
SEMIVOLATILES	Atrazine	1.3E+02	3.0E-01	0.0825	0.1650	NVA	NVA	3.0E-01									0.172	1	U	U	
SEMIVOLATILES	Benzaldehyde	4.5E+02	1.0E+03	0.0825	0.1650	NVA	NVA	4.5E+02									0.172	1	U	U	
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01									0.089	1	U	U	
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54 E-02	NVA	1.7E-01									0.089	1	U	U	
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01									0.089	1	U	U	
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23 E-02	NVA	3.1E+02									0.172	1	U	U	
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30 E-02	NVA	3.9E-01									0.172	1	U	U	
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01									0.089	1	U	U	
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01									0.089	1	U	U	
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00									0.172	1	U	U	
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01									0.181	1			
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03									0.148	1	J	J	

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION__CODE											07SB05		07SB05		07SB06				
SAMPLE_NO						Background						07SB05(0-1)		07SB05(3-4)		07SB06(0-1) ^e			
SAMPLE_DATE		TCEQ				Concentrations in Soil				Applicable		29-Jun-06		29-Jun-06		29-Jun-06			
FK_DEPTH		Medium-Specific		Method		(95% UPL, mg/kg) ^b				TCEQ		REG		REG		REG			
SAMPLE_PURPOSE		Concentration (MSC)		Detection		Quantitation		Surface Subsurface		Risk-Based		0 - 1 Ft		3 - 4 Ft		0 - 1 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft			MSC ^c		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	Caprolactam	5.1E+05	5.1E+03	0.0825	0.1650	NVA	NVA			5.1E+03						0.172	1	U	U
SEMIVOLATILES	Carbazole	1.4E+02	1.4E+00	0.0825	0.1650	NVA	NVA			1.4E+00						0.172	1	U	U
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51 E-02	NVA			3.9E+00						0.172	1	U	U
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA			1.7E-01						0.089	1	U	U
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA			4.1E+01						0.172	1	U	U
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA			8.2E+03						0.356	1		
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA			8.2E+03						0.172	1	U	U
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA			1.0E+03						0.172	1	U	U
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA			2.0E+02						0.172	1	U	U
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29 E-02	NVA			4.1E+02						0.172	1	U	U
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA			4.1E+02						0.172	1	U	U
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA			1.7E-01						0.089	1	U	U
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA			2.0E+00						0.172	1	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA			5.0E+00						0.172	1	U	U
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA			1.0E+01						0.172	1	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43 E-02	NVA			1.7E-01						0.089	1	U	U
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA			3.0E+02						0.172	1	U	U
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	3.12 E-03	NVA			2.0E+02						0.172	1	U	U
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA			5.1E+00						0.172	1	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA			1.7E-01						0.089	1	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA			5.8E+00						0.172	1	U	U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.0825	0.1650	NVA	NVA			1.7E-01						0.089	1	U	U
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.3300	0.8250	NVA	NVA			3.1E+02						0.172	1	U	U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA			3.1E+03						0.172	1	U	U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA			3.1E+02						0.172	1	U	U
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA			--		93.6				85.2			
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA			2.0E+01						0.014	2	U	U
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA			1.4E+00						0.014	2	U	U
VOLATILES	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon :)	6.0E+04	3.1E+05	0.0005	0.010	NVA	NVA			6.0E+04						0.027	2	U	U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA			5.0E-01						0.014	2	U	U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.001	0.005	NVA	NVA			1.0E+03						0.014	2	U	U
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA			7.0E-01						0.014	2	U	U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA			7.0E+00						0.014	2	U	U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.002	0.005	0.005	NVA			2.0E-02						0.014	2	U	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA			5.0E-03						0.001	2	U	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA			6.0E+01						0.014	2	U	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA			4.7E-01						0.014	2	U	U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA			5.0E-01						0.014	2	U	U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA			7.1E+01						0.014	2	U	U
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA			7.5E+00						0.014	2	U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	4.46 E-02	NVA			6.1E+03						0.027	2	U	U
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	2.48 E-02	NVA			8.7E+01						0.027	2	U	U

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION__CODE								Applicable TCEQ Risk-Based MSC ^c	07SB05				07SB05				07SB06			
SAMPLE_NO						Background			07SB05(0-1)				07SB05(3-4)				07SB06(0-1) ^e			
SAMPLE_DATE		TCEQ				Concentrations in Soil			29-Jun-06				29-Jun-06				29-Jun-06			
FK_DEPTH		Medium-Specific		Method		(95% UPL, mg/kg) ^b			REG				REG				REG			
SAMPLE_PURPOSE		Concentration (MSC)		Detection		Quantitation			0 - 1 Ft				3 - 4 Ft				0 - 1 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	Surface	Subsurface										Result ^d	DIL	Qual	ValQual
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.010	8.88 E-01	NVA	2.5E+03								0.027	2	U	UJ	
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01								0.014	2	U	U	
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.005	NVA	NVA	4.6E-01								0.014	2	U	U	
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.005	NVA	NVA	3.6E+00								0.014	2	U	U	
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.010	NVA	NVA	4.9E+00								0.027	2	U	UJ	
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03								0.014	2	U	U	
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01								0.014	2	U	U	
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01								0.014	2	U	U	
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.010	NVA	NVA	4.1E+03								0.027	2	U	U	
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.005	NVA	NVA	5.2E-01								0.014	2	U	U	
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.010	NVA	NVA	3.8E+00								0.027	2	U	U	
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00								0.014	2	U	U	
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.005	NVA	NVA	5.3E-01								0.014	2	U	U	
VOLATILES	Cyclohexane	1.7E+04	5.1E+04	0.0005	0.010	NVA	NVA	1.7E+04								0.027	2	U	U	
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.005	NVA	NVA	3.4E+00								0.014	2	U	U	
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.010	NVA	NVA	2.0E+03								0.027	2	U	U	
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.005	NVA	NVA	7.0E+01								0.014	2	U	U	
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.005	NVA	NVA	1.0E+03								0.014	2	U	U	
VOLATILES	Methyl Acetate	3.0E+03	1.0E+04	0.0010	0.010	NVA	NVA	3.0E+03								0.027	2	U	U	
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.010	NVA	NVA	8.2E+02								0.027	2	U	U	
VOLATILES	Methyl tert-butyl ether	7.1E+02	1.0E+02	0.0010	0.005	NVA	NVA	1.0E+02								0.014	2	U	U	
VOLATILES	Methylcyclohexane	1.0E+04	5.1E+04	0.0010	0.010	NVA	NVA	1.0E+04								0.027	2	U	U	
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.005	NVA	NVA	5.0E-01								0.014	2	U	U	
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.005	6.90 E-03	NVA	1.0E+01								0.014	2	U	U	
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01								0.014	2	U	U	
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.005	NVA	NVA	1.0E+02								0.014	2	U	U	
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.005	NVA	NVA	1.0E+01								0.014	2	U	U	
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.005	NVA	NVA	2.9E+00								0.014	2	U	U	
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01								0.014	2	U	U	
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.010	NVA	NVA	3.1E+03								0.027	2	U	U	
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.010	NVA	NVA	6.6E-02								0.027	2	U	U	
VOLATILES	Xylenes, Total	8.3E+02	1.0E+03	0.0005	0.005	8.90 E-03	NVA	8.3E+02								0.014	2	U	U	

Notes:

Blank results cells indicate sample was not analyzed for that chemical

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.^b Lower of surface and subsurface soil background concentrations used in these comparisons^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors. Shading indicates SDL values that exceed the Applicable MSC given in TCEQ March 2006 guidance.^e Sample was chosen for SPLP analysis by SW-846 method 1312.^f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.^g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

B Chemical was detected in quality control analytical blank sample.

FD: Field duplicate sample

H: Estimate is high.

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

L: Estimate is low.

NE: Value not established

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION_CODE		TCEQ				Background		Applicable TCEQ Risk-Based	07SB06				47SB23				47SB23			
SAMPLE_NO						Concentrations in Soil			07SB06(3-4)				07SB06(0-0.5)				07SB06(1-2)			
SAMPLE_DATE						(95% UPL, mg/kg) ^b			29-Jun-06				3-Jun-06				3-Jun-06			
FK_DEPTH		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	Surface Subsurface			REG 3 - 4 Ft				REG 0 - 0.5 Ft				REG 1 - 2 Ft			
SAMPLE_PURPOSE																				
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
METALS	Silver	2.9E+03	5.1E+01	0.25	2	3.1E-01	3.70 E-01	5.1E+01	1.750	1	U	U								
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NVA	NVA	7.2E+00	0.040	4	U	U	0.020	1			0.006	1	U	U
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	42.3	1	J	B								
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	47.5	1	J	B								
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	60.7	1	U	U								
RANGE_ORGANICS	Carbon Range C6-C35 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02												
SEMIVOLATILES	1,1'-Biphenyl	2.7E+02	5.1E+02	0.0825	0.1650	NVA	NVA	2.7E+02	0.201	1	U	U								
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.199	1	U	U								
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00	0.199	1	U	U								
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01	0.199	1	U	U								
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.199	1	U	U								
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.994	1	U	U								
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.100	1	U	U								
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.100	1	U	U								
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02	0.199	1	U	U								
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.199	1	U	U								
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.199	1	U	U								
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02	0.199	1	U	U								
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.994	1	U	U								
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00	0.199	1	U	U								
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01	0.201	1	U	UJL								
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.994	1	U	U								
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.994	1	U	U								
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.100	1	U	U								
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.199	1	U	U								
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.199	1	U	U								
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.100	1	U	U								
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.199	1	U	U								
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00	0.994	1	U	U								
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.994	1	U	U								
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01	0.199	1	U	U								
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02	0.199	1	U	U								
SEMIVOLATILES	Acetophenone	4.3E+03	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.199	1	U	U								
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.199	1	U	U								
SEMIVOLATILES	Atrazine	1.3E+02	3.0E-01	0.0825	0.1650	NVA	NVA	3.0E-01	0.199	1	U	U								
SEMIVOLATILES	Benzaldehyde	4.5E+02	1.0E+03	0.0825	0.1650	NVA	NVA	4.5E+02	0.199	1	U	U								
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01	0.100	1	U	U								
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54 E-02	NVA	1.7E-01	0.100	1	U	U								
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53 E-02	NVA	1.7E-01	0.100	1	U	U								
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23 E-02	NVA	3.1E+02	0.199	1	U	U								
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30 E-02	NVA	3.9E-01	0.199	1	U	U								
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.100	1	U	U								
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.100	1	U	U								
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00	0.199	1	U	U								
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01	0.199	1	U	U								
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03	0.199	1	U	U								

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION __CODE		TCEQ				Background		Applicable TCEQ Risk-Based	07SB06				47SB23				47SB23				
SAMPLE_NO						Concentrations in Soil			07SB06(3-4)				07SB06(0-0.5)				07SB06(1-2)				
SAMPLE_DATE						(95% UPL, mg/kg) ^b			29-Jun-06				3-Jun-06				3-Jun-06				
FK_DEPTH		Method				Method			REG				REG				REG				
SAMPLE_PURPOSE		Concentration (MSC)				Detection			Quantitation		3 - 4 Ft				0 - 0.5 Ft				1 - 2 Ft		
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	
SEMIVOLATILES	Caprolactam	5.1E+05	5.1E+03	0.0825	0.1650	NVA	NVA	5.1E+03	0.199	1	U	U									
SEMIVOLATILES	Carbazole	1.4E+02	1.4E+00	0.0825	0.1650	NVA	NVA	1.4E+00	0.199	1	U	U									
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51 E-02	NVA	3.9E+00	0.199	1	U	U									
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.100	1	U	U									
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.199	1	U	U									
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	0.222	1											
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	0.199	1	U	U									
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.199	1	U	U									
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.199	1	U	U									
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29 E-02	NVA	4.1E+02	0.199	1	U	U									
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02	0.199	1	U	U									
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	0.100	1	U	U									
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00	0.199	1	U	U									
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00	0.199	1	U	U									
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01	0.199	1	U	U									
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43 E-02	NVA	1.7E-01	0.100	1	U	U									
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02	0.199	1	U	U									
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	3.12 E-03	NVA	2.0E+02	0.199	1	U	U									
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00	0.199	1	U	U									
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01	0.100	1	U	U									
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00	0.199	1	U	U									
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	0.100	1	U	U									
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.3300	0.8250	NVA	NVA	3.1E+02	0.199	1	U	U									
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.199	1	U	U									
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02	0.199	1	U	U									
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	82.2	1											
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.005	NVA	NVA	2.0E+01	0.010	2	U	U									
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.005	NVA	NVA	1.4E+00	0.010	2	U	U									
VOLATILES	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon : 113B1)	6.0E+04	3.1E+05	0.0005	0.010	NVA	NVA	6.0E+04	0.020	2	U	U									
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.010	2	U	U									
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.001	0.005	NVA	NVA	1.0E+03	0.010	2	U	U									
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.005	NVA	NVA	7.0E-01	0.010	2	U	U									
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.005	NVA	NVA	7.0E+00	0.010	2	U	U									
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.002	0.005	0.005	NVA	2.0E-02	0.010	2	U	U									
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.005	NVA	NVA	5.0E-03	0.001	2	U	U									
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.005	NVA	NVA	6.0E+01	0.010	2	U	U									
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.005	NVA	NVA	4.7E-01	0.010	2	U	U									
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.005	NVA	NVA	5.0E-01	0.010	2	U	U									
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.005	NVA	NVA	7.1E+01	0.010	2	U	U									
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.005	NVA	NVA	7.5E+00	0.010	2	U	U									
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.010	4.46 E-02	NVA	6.1E+03	0.020	2	U	U									
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.010	2.48 E-02	NVA	8.7E+01	0.020	2	U	U									

Table 3-2
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-07

LOCATION __CODE										07SB06		47SB23				47SB23					
SAMPLE_NO						Background						07SB06(3-4)		07SB06(0-0.5)				07SB06(1-2)			
SAMPLE_DATE		TCEQ				Concentrations in Soil				Applicable		29-Jun-06		3-Jun-06				3-Jun-06			
FK_DEPTH		Medium-Specific		Method		(95% UPL, mg/kg) ^b				TCEQ		REG		REG				REG			
SAMPLE_PURPOSE		Concentration (MSC)		Detection		Quantitation		Surface		Subsurface		3 - 4 Ft		0 - 0.5 Ft				1 - 2 Ft			
										Risk-Based											
										MSC ^c		Result ^d		DIL Qual ValQual				Result ^d DIL Qual ValQual			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft														
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.010	8.88 E-01	NVA			2.5E+03		0.020	2	U	UJ						
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.005	NVA	NVA			5.0E-01		0.010	2	U	U						
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.005	NVA	NVA			4.6E-01		0.010	2	U	U						
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.005	NVA	NVA			3.6E+00		0.010	2	U	U						
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.010	NVA	NVA			4.9E+00		0.020	2	U	UJ						
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.005	NVA	NVA			1.0E+03		0.010	2	U	U						
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.005	NVA	NVA			5.0E-01		0.010	2	U	U						
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.005	NVA	NVA			1.0E+01		0.010	2	U	U						
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.010	NVA	NVA			4.1E+03		0.020	2	U	U						
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.005	NVA	NVA			5.2E-01		0.010	2	U	U						
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.010	NVA	NVA			3.8E+00		0.020	2	U	U						
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.005	NVA	NVA			7.0E+00		0.010	2	U	U						
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.005	NVA	NVA			5.3E-01		0.010	2	U	U						
VOLATILES	Cyclohexane	1.7E+04	5.1E+04	0.0005	0.010	NVA	NVA			1.7E+04		0.020	2	U	U						
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.005	NVA	NVA			3.4E+00		0.010	2	U	U						
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.010	NVA	NVA			2.0E+03		0.020	2	U	U						
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.005	NVA	NVA			7.0E+01		0.010	2	U	U						
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.005	NVA	NVA			1.0E+03		0.010	2	U	U						
VOLATILES	Methyl Acetate	3.0E+03	1.0E+04	0.0010	0.010	NVA	NVA			3.0E+03		0.020	2	U	U						
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.010	NVA	NVA			8.2E+02		0.020	2	U	U						
VOLATILES	Methyl tert-butyl ether	7.1E+02	1.0E+02	0.0010	0.005	NVA	NVA			1.0E+02		0.010	2	U	U						
VOLATILES	Methylcyclohexane	1.0E+04	5.1E+04	0.0010	0.010	NVA	NVA			1.0E+04		0.020	2	U	U						
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.005	NVA	NVA			5.0E-01		0.010	2	U	U						
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.005	6.90 E-03	NVA			1.0E+01		0.010	2	U	U						
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.005	NVA	NVA			5.0E-01		0.010	2	U	U						
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.005	NVA	NVA			1.0E+02		0.010	2	U	U						
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.005	NVA	NVA			1.0E+01		0.010	2	U	U						
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.005	NVA	NVA			2.9E+00		0.010	2	U	U						
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.005	NVA	NVA			5.0E-01		0.010	2	U	U						
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.010	NVA	NVA			3.1E+03		0.020	2	U	U						
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.010	NVA	NVA			6.6E-02		0.020	2	U	U						
VOLATILES	Xylenes, Total	8.3E+02	1.0E+03	0.0005	0.005	8.90 E-03	NVA			8.3E+02		0.010	2	U	U						

Notes:

Blank results cells indicate sample was not analyzed for that chemical

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.^b Lower of surface and subsurface soil background concentrations used in these comparisons^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates SDL values that exceed the Applicable MSC given in TCEQ March 2006 guidance.

^e Sample was chosen for SPLP analysis by SW-846 method 1312.^f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.^g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

B Chemical was detected in quality control analytical blank sample.

FD: Field duplicate sample

H: Estimate is high.

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

L: Estimate is low.

NE: Value not established

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-3
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-51

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	51SB01				51SB01				51SB02			
SAMPLE_NO									51SB01-01				51SB01-02				51SB02(0-1) ^e			
SAMPLE_DATE									30-Aug-06				30-Aug-06				28-Jun-06			
FK_DEPTH									REG				REG				REG			
SAMPLE_PURPOSE									0 - 0 Ft				0 - 0 Ft				0 - 1 Ft			
Concentrations in Soil									0 - 0.5 Ft				1.5 - 2.5 Ft							
Background																				
Method																				
Method																				
(95% UPL, mg/kg) ^b																				
Surface																				
Subsurface																				
Test Group								Result ^d				Result ^d				Result ^d				
Parameter (Units = mg/kg)								DIL Qual ValQual				DIL Qual ValQual				DIL Qual ValQual				
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NE	NE	7.2E+00	0.010	1	U	U	0.010	1	U	U				
METAL	Silver	2.9E+03	5.1E+01	0.050	0.200	3.1E-01	3.70 E-01	5.1E+01	29.30	1			0.21	1			161.00		1	
SOLIDS	Percent Solids	NE	NE	NE	NE	NE	NE	--	84.9	1			85.6	1			93.0		1	

Notes:

Blank results cells indicate sample was not analyzed for that chemical

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>.^b Lower of surface and subsurface soil background concentrations used in these comparisons^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors. given in TCEQ March 2006 guidance.^e Sample was chosen for SPLP analysis by SW-846 method 1312.

NE: Value not established

REG: Regular sample

J: Estimated value.

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-3
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-51

LOCATION_CODE												Applicable TCEQ Risk-Based MSC ^c	51SB02				51SB03				51SB03				
SAMPLE_NO													51SB02(3-4)				51SB03(0-1)				51SB03(0-1)				
SAMPLE_DATE						TCEQ							28-Jun-06				27-Jun-06				27-Jun-06				
FK_DEPTH						Background Concentrations in Soil							REG				REG				REG				
SAMPLE_PURPOSE						(95% UPL, mg/kg) ^b							3 - 4 Ft				0 - 1 Ft				0 - 1 Ft				
						Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	Surface			Subsurface												
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft		1.5 - 2.5 Ft		Result ^d				Result ^d				Result ^d							
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NE		NE		7.2E+00				5.36 1				15.20 1				16.10 1			
METAL	Silver	2.9E+03	5.1E+01	0.050	0.200	3.1E-01		3.70 E-01		5.1E+01				91.7 1				93.2 1				93.2 1			
SOLIDS	Percent Solids	NE	NE	NE	NE	NE		NE		--															

Notes:

Blank results cells indicate sample was not analyzed for that chemical

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website
<http://www.tceq.state.tx.us/remediation/rrr.html>.^b Lower of surface and subsurface soil background concentrations used in these comparisons^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.
given in TCEQ March 2006 guidance.^e Sample was chosen for SPLP analysis by SW-846 method 1312.

NE: Value not established

REG: Regular sample

J: Estimated value.

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-3
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-51

LOCATION_CODE								51SB03				51SB04				51SB05			
SAMPLE_NO								51SB03(3-4)				51SB04(0-1)				51SB05(0-1)			
SAMPLE_DATE		TCEQ						27-Jun-06				27-Jun-06				28-Jun-06			
FK_DEPTH		Medium-Specific						REG				REG				REG			
SAMPLE_PURPOSE		Concentration (MSC)						3 - 4 Ft				0 - 1 Ft				0 - 1 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	Result ^d DIL Qual ValQual				Result ^d DIL Qual ValQual				Result ^d DIL Qual ValQual			
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.010	NE	NE	7.2E+00				7.2E+00				7.2E+00			
METAL	Silver	2.9E+03	5.1E+01	0.050	0.200	3.1E-01	3.70 E-01	5.1E+01				5.1E+01				5.1E+01			
SOLIDS	Percent Solids	NE	NE	NE	NE	NE	NE	--				--				--			

Notes:

Blank results cells indicate sample was not analyzed for that chemical

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website
<http://www.tceq.state.tx.us/remediation/rrr.html>.

^b Lower of surface and subsurface soil background concentrations used in these comparisons

^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.
 given in TCEQ March 2006 guidance.

^e Sample was chosen for SPLP analysis by SW-846 method 1312.

NE: Value not established

REG: Regular sample

J: Estimated value.

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE	TCEQ						Background		Applicable TCEQ Risk-Based MSC ^c	55SB01	55SB01	55SB02			
SAMPLE_NO							Concentrations in Soil			55-SB01-(1-2)	55-SB01-(5-6)	55SB02-1-2			
SAMPLE_DATE							(95% UPL, mg/kg) ^b			28-Sep-06	28-Sep-06	27-Sep-06			
FK_DEPTH										REG	REG	REG			
SAMPLE_PURPOSE										1 - 2 Ft	5 - 6 Ft	1 - 2 Ft			
										DIL Qual ValQual	DIL Qual ValQual	DIL Qual ValQual			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Detection Limit (MDL)	Method Quantitation Limit (MQL)	Surface 0 - 0.5 Ft	Subsurface 1.5 - 2.5 Ft								
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.100	0.250	NVA	NVA	3.1E+02				0.250	1	U	U
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.100	0.250	NVA	NVA	1.0E+00				0.250	1	U	U
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.100	0.250	NVA	NVA	5.1E+00				0.250	1	U	U
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.250	NVA	NVA	2.5E-01				0.111	1	U	U
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.260	NVA	NVA	2.6E-01				0.111	1	U	U
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00				0.260	1	U	U
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00				0.260	1	U	U
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.100	2.200	NVA	NVA	1.0E+02				2.200	1	U	U
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02				0.250	1	U	U
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.130	0.260	NVA	NVA	5.1E+00				0.260	1	U	U
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02				0.250	1	U	UJL
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02				0.250	1	U	U
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.100	1.000	NVA	NVA	2.6E+00				1.000	1	U	U
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.200	0.650	NVA	NVA	1.0E+02				0.650	1	U	U
METALS	Aluminum	1.0E+06	1.0E+04	10.000	20.00	1.63E+04	2.08E+04	1.6E+04				13800	1		
METALS	Antimony	4.9E+02	6.0E-01	0.500	0.10	9.40E-01	1.60E+00	9.4E-01				0.111	1	U	U
METALS	Arsenic	2.0E+02	1.0E+00	0.075	0.30	4.81E+00	5.54E+00	4.8E+00				3.150	1		
METALS	Barium	1.7E+05	2.0E+02	0.075	0.30	1.52E+02	8.54E+01	2.0E+02				75.0	1		
METALS	Beryllium	2.7E+02	4.0E-01	0.012	0.50	6.45E-01	7.66E-01	6.5E-01				0.418	1		
METALS	Cadmium	1.5E+03	5.0E-01	0.025	0.10	1.40E+00	4.00E-01	5.0E-01				0.086	1	J	J
METALS	Calcium	NE	NE	NA	NA	--	--	--				314	1		
METALS	Chromium	3.5E+05	1.0E+01	0.100	0.40	2.66E+01	3.01E+01	2.7E+01				12.400	1		
METALS	Cobalt	1.1E+05	6.1E+02	0.125	0.50	7.23E+00	5.61E+00	6.1E+02				4.650	1		
METALS	Copper	7.4E+04	1.3E+02	0.150	0.60	5.55E+00	9.25E+00	1.3E+02				3.660	1		
METALS	Iron	NE	NE	NA	NA	--	--	--				13000	1		
METALS	Lead	1.0E+03	1.5E+00	0.500	5.00	2.26E+01	1.14E+01	1.1E+01				10.400	1		
METALS	Magnesium	NE	NE	NA	NA	--	--	--				644	1		
METALS	Manganese	1.1E+05	1.4E+03	0.050	0.20	1.25E+03	2.01E+02	1.4E+03				136	1		
METALS	Mercury	1.5E-01	2.0E-01	0.010	0.25	8.19E-02	3.60E-01	2.5E-01				0.011	1	J	J
METALS	Nickel	1.2E+04	2.0E+02	0.200	0.80	6.98E+00	1.16E+01	2.0E+02				5.630	1		
METALS	Potassium	NE	NE	NA	NA	--	--	--				454	1		
METALS	Selenium	9.3E+03	5.0E+00	0.100	0.20	3.48E+00	5.56E+00	5.0E+00				0.528	1		
METALS	Silver	2.9E+03	5.1E+01	0.050	0.20	3.10E-01	3.70E-01	5.1E+01				1.590	1	U	U
METALS	Sodium	NE	NE	NA	NA	--	--	--				114.0	1		
METALS	Thallium	NE	2.0E-01	0.010	0.02	NVA	NVA	2.0E-01				0.103	1		
METALS	Vanadium	3.0E+03	7.2E+01	0.125	0.50	3.21E+01	4.46E+01	7.2E+01				24.1	1		
METALS	Zinc	4.1E+05	3.1E+03	0.625	2.50	6.16E+01	2.02E+01	3.1E+03				15.3	1		
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.01	NVA	NVA	7.2E+00							
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.1650	NVA	NVA	7.0E+00				0.181	1	U	U
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.1650	NVA	NVA	6.0E+01				0.181	1	U	U
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.1650	NVA	NVA	7.1E+01				0.181	1	U	U
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.1650	NVA	NVA	7.5E+00				0.181	1	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03				0.181	1	U	UJL
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00				0.181	1	U	UJL
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01				0.181	1	U	UJL
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02				0.181	1	U	UJL
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01				0.903	1	U	UJL
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01				0.091	1	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01				0.091	1	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02				0.181	1	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01				0.181	1	U	UJL
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01				0.181	1	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02				0.181	1	U	UJL
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00				0.903	1	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00				0.181	1	U	UJL
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01				0.183	1	U	U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00				0.903	1	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01				0.903	1	U	UJL
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01				0.091	1	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01				0.181	1	U	UJL
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01				0.181	1	U	U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01				0.091	1	U	U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01				0.181	1	U	UJL
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00				0.903	1	U	U

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE						Background		Applicable TCEQ Risk-Based MSC ^c	55SB01	55SB01	55SB02
SAMPLE_NO						Concentrations in Soil			55-SB01-(1-2)	55-SB01-(5-6)	55SB02-1-2
SAMPLE_DATE		TCEQ				(95% UPL, mg/kg) ^b			28-Sep-06	28-Sep-06	27-Sep-06
FK_DEPTH		Medium-Specific		Method					REG	REG	REG
SAMPLE_PURPOSE		Concentration (MSC)		Detection		Quantitation			1 - 2 Ft	5 - 6 Ft	1 - 2 Ft
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft		DIL Qual ValQual	DIL Qual ValQual	DIL Qual ValQual
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA			0.903 1 U UJL	
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA			0.091 1 U U	
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54E-02	NVA			0.091 1 U U	
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA			0.091 1 U U	
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23E-02	NVA			0.181 1 U U	
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30E-02	NVA			0.181 1 U U	
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.3300	0.8250	NVA	NVA			0.903 1 U U	
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA			0.091 1 U U	
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA			0.091 1 U U	
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51E-02	NVA			0.181 1 U U	
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA			0.091 1 U U	
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29E-02	NVA			0.181 1 U U	
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA			0.091 1 U U	
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43E-02	NVA			0.091 1 U U	
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA			0.091 1 U U	
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.8250	NVA	NVA			0.365 1 U UJL	
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.1650	NVA	NVA			0.181 1 U U	
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA			0.181 1 U UJL	
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA			0.181 1 U U	
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA			90.4 1	
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.0050	NVA	NVA		0.001 1 U U	0.001 1 U U	
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.0050	NVA	NVA		0.001 1 U U	0.001 1 U U	
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.0050	NVA	NVA		0.005 1 U U	0.007 1 U U	
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.0100	NVA	NVA		0.010 1 U U	0.014 1 U U	
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.0100	NVA	NVA		0.010 1 U U	0.014 1 U U	

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE		TCEQ		Method		Background		Applicable TCEQ Risk-Based MSC ^c	55SB01 55-SB01-(1-2) 28-Sep-06			55SB01 55-SB01-(5-6) 28-Sep-06			55SB02 55SB02-1-2 27-Sep-06					
SAMPLE_NO						Concentrations in Soil (95% UPL, mg/kg) ^b			REG 1 - 2 Ft			REG 5 - 6 Ft			REG 1 - 2 Ft					
SAMPLE_DATE									DIL Qual ValQual			DIL Qual ValQual			DIL Qual ValQual					
FK_DEPTH																				
SAMPLE_PURPOSE																				
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Detection Limit (MDL)	Quantitation Limit (MQL)	0 - 0.5 Ft	Subsurface 1.5 - 2.5 Ft		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.0005	0.0050	NVA	NVA	2.0E+02	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.0100	NVA	NVA	8.7E+01	0.010	1	U	U	0.011	1	U	U	0.014	1	U	U
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.0005	0.0050	NVA	NVA	4.8E+00	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.0100	NVA	NVA	2.5E+03	0.010	1	U	UJ	0.011	1	U	UJ	0.014	1	U	U
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.0005	0.0050	NVA	NVA	1.6E+02	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.0005	0.0050	NVA	NVA	3.4E+02	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.0050	NVA	NVA	4.6E-01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.0050	NVA	NVA	3.6E+00	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.0100	NVA	NVA	4.9E+00	0.010	1	U	U	0.011	1	U	U	0.014	1	U	U
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.0100	NVA	NVA	4.1E+03	0.010	1	U	U	0.011	1	U	U	0.014	1	U	U
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.0050	NVA	NVA	5.2E-01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.0100	NVA	NVA	3.8E+00	0.010	1	U	U	0.011	1	U	U	0.014	1	U	U
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.0050	NVA	NVA	5.3E-01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.0050	NVA	NVA	3.4E+00	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.0005	0.0050	NVA	NVA	3.8E+01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.0100	NVA	NVA	2.0E+03	0.010	1	U	U	0.011	1	U	U	0.014	1	U	U
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.0050	NVA	NVA	7.0E+01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0005	0.0050	NVA	NVA	2.0E+00	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	m,p-Xylenes	3.3E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.0100	NVA	NVA	8.2E+02	0.010	1	U	U	0.011	1	U	U	0.014	1	U	U
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0005	0.0100	NVA	NVA	2.0E+02	0.010	1	U	U	0.011	1	U	U	0.014	1	U	U
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.0050	NVA	NVA	1.0E+02	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.005	1	U	U	0.007	1	U	U
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.0100	NVA	NVA	3.1E+03	0.010	1	U	U	0.011	1	U	U	0.014	1	U	U
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.0010	0.0100	NVA	NVA	8.0E+02	0.010	1	U	U	0.011	1	U	U	0.014	1	U	U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.0100	NVA	NVA	6.6E-02	0.010	1	U	U	0.011	1	U	U	0.014	1	U	U

Notes:

Blank results cells indicate sample was not analyzed for that chemical.

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through march 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>^b Lower of surface and subsurface soil background concentrations used in these comparisons^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors. given in TCEQ March 2006 guidance.^e Sample was chosen for SPLP analysis by method 1312.

H Estimate is high.

J Estimated value. Chemical was detected above the method detection limit but below the MQL.

L Estimate is low.

NE Value not established

NVA No value available

REG Regular Sample

U Compound not detected

95% UPL 95 per cent Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	55SB02			55SB03			55SB03					
SAMPLE_NO									55-SB02-3_5			55-SB03-1-2 ^e			55-SB03-3_0 ^e					
SAMPLE_DATE									27-Sep-06			27-Sep-06			27-Sep-06					
FK_DEPTH									REG			REG			REG					
SAMPLE_PURPOSE									3_5 - 3_5 Ft			1 - 2 Ft			3 - 3 Ft					
Test Group	Parameter (Units = mg/kg)	TCEQ		Method Detection Limit (MDL)	Method Quantitation Limit (MQL)	Background		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	
		Concentration (MSC)	Method			Surface 0 - 0.5 Ft	Subsurface 1.5 - 2.5 Ft													Concentrations in Soil (95% UPL, mg/kg) ^b
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.100	0.250	NVA	NVA	3.1E+02	0.243	1	U	U	0.243	1	U	U	0.248	1	U	U
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.100	0.250	NVA	NVA	1.0E+00	0.243	1	U	U	0.243	1	U	U	0.248	1	U	U
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.100	0.250	NVA	NVA	5.1E+00	0.243	1	U	U	0.243	1	U	U	0.248	1	U	U
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.250	NVA	NVA	2.5E-01	0.107	1	U	U	0.117	1	U	U	0.119	1	U	U
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.260	NVA	NVA	2.6E-01	0.107	1	U	U	0.117	1	U	U	0.119	1	U	U
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.252	1	U	U	0.252	1	U	U	0.257	1	U	U
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.252	1	U	U	0.252	1	U	U	0.257	1	U	U
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.100	2.200	NVA	NVA	1.0E+02	2.140	1	U	U	2.140	1	U	U	2.180	1	U	U
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.243	1	U	U	0.243	1	U	U	0.248	1	U	U
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.130	0.260	NVA	NVA	5.1E+00	0.252	1	U	U	0.252	1	U	U	0.257	1	U	U
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.243	1	U	UJL	0.243	1	U	U	0.248	1	U	U
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.243	1	U	U	0.243	1	U	U	0.248	1	U	U
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.100	1.000	NVA	NVA	2.6E+00	0.971	1	U	U	0.971	1	U	U	0.990	1	U	U
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.200	0.650	NVA	NVA	1.0E+02	0.631	1	U	U	0.631	1	U	U	0.644	1	U	U
METALS	Aluminum	1.0E+06	1.0E+04	10.000	20.00	1.63E+04	2.08E+04	1.6E+04	8900	1			10800	1			16100	1		
METALS	Antimony	4.9E+02	6.0E-01	0.500	0.10	9.40E-01	1.60E+00	9.4E-01	0.106	1	U	U	0.117	1	J	JL	0.119	1	U	UJL
METALS	Arsenic	2.0E+02	1.0E+00	0.075	0.30	4.81E+00	5.54E+00	4.8E+00	1.900	1			0.823	1			1.250	1		
METALS	Barium	1.7E+05	2.0E+02	0.075	0.30	1.52E+02	8.54E+01	2.0E+02	50.3	1			81.7	1			118.0	1		
METALS	Beryllium	2.7E+02	4.0E-01	0.012	0.50	6.45E-01	7.66E-01	6.5E-01	0.321	1	J	J	0.699	1			0.795	1		
METALS	Cadmium	1.5E+03	5.0E-01	0.025	0.10	1.40E+00	4.00E-01	5.0E-01	0.066	1	J	J	0.068	1	J	J	0.125	1	J	J
METALS	Calcium	NE	NE	NA	NA	--	--	--	223	1			415	1			718	1		
METALS	Chromium	3.5E+05	1.0E+01	0.100	0.40	2.66E+01	3.01E+01	2.7E+01	12.500	1			19.600	1		JH	20.500	1		JH
METALS	Cobalt	1.1E+05	6.1E+02	0.125	0.50	7.23E+00	5.61E+00	6.1E+02	5.220	1			8.690	1			9.610	1		
METALS	Copper	7.4E+04	1.3E+02	0.150	0.60	5.55E+00	9.25E+00	1.3E+02	2.580	1			4.150	1			5.840	1		
METALS	Iron	NE	NE	NA	NA	--	--	--	11000	1			18800	1			21600	1		
METALS	Lead	1.0E+03	1.5E+00	0.500	5.00	2.26E+01	1.14E+01	1.1E+01	6.980	1			80.900	1			13.600	1		
METALS	Magnesium	NE	NE	NA	NA	--	--	--	421	1			888	1			1350	1		
METALS	Manganese	1.1E+05	1.4E+03	0.050	0.20	1.25E+03	2.01E+02	1.4E+03	146	1			158	1			116	1		
METALS	Mercury	1.5E-01	2.0E-01	0.010	0.25	8.19E-02	3.60E-01	2.5E-01	0.011	1	J	J	0.012	1	J	J	0.012	1	J	J
METALS	Nickel	1.2E+04	2.0E+02	0.200	0.80	6.98E+00	1.16E+01	2.0E+02	4.690	1			8.490	1			12.700	1		
METALS	Potassium	NE	NE	NA	NA	--	--	--	349	1			445	1			653	1		
METALS	Selenium	9.3E+03	5.0E+00	0.100	0.20	3.48E+00	5.56E+00	5.0E+00	0.357	1			0.200	1	J	JL	0.238	1	U	UJL
METALS	Silver	2.9E+03	5.1E+01	0.050	0.20	3.10E-01	3.70E-01	5.1E+01	1.650	1	U	U	1.730	1	U	U	1.730	1	U	U
METALS	Sodium	NE	NE	NA	NA	--	--	--	69.2	1			23.7	1			40.9	1		
METALS	Thallium	NE	2.0E-01	0.010	0.02	NVA	NVA	2.0E-01	0.072	1			0.040	1			0.059	1		
METALS	Vanadium	3.0E+03	7.2E+01	0.125	0.50	3.21E+01	4.46E+01	7.2E+01	20.5	1			31.5	1			32.5	1		
METALS	Zinc	4.1E+05	3.1E+03	0.625	2.50	6.16E+01	2.02E+01	3.1E+03	11.4	1			29.7	1			50.6	1		
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.01	NVA	NVA	7.2E+00												
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.1650	NVA	NVA	7.0E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.1650	NVA	NVA	6.0E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.1650	NVA	NVA	7.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.1650	NVA	NVA	7.5E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.872	1	U	U	0.950	1	U	U	0.974	1	U	U
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.872	1	U	U	0.950	1	U	U	0.974	1	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01	0.177	1	U	U	0.193	1	U	U	0.197	1	U	U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00	0.872	1	U	U	0.950	1	U	U	0.974	1	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.872	1	U	U	0.950	1	U	U	0.974	1	U	U
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	4-Chlorophenyl phen																			

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE								55SB02	55SB03	55SB03										
SAMPLE_NO								55-SB02-3_5	55-SB03-1-2 *	55-SB03-3_0 *										
SAMPLE_DATE								27-Sep-06	27-Sep-06	27-Sep-06										
FK_DEPTH								REG	REG	REG										
SAMPLE_PURPOSE								3_5 - 3_5 Ft	1 - 2 Ft	3 - 3 Ft										
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Quantitation	Surface	Subsurface	Risk-Based TCEQ MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	0.872	1	U	U	0.950	1	U	U	0.974	1	U	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54E-02	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23E-02	NVA	3.1E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30E-02	NVA	3.9E-01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.3300	0.8250	NVA	NVA	4.1E+04	0.872	1	U	UJ	0.950	1	U	U	0.974	1	U	U
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51E-02	NVA	3.9E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29E-02	NVA	4.1E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00	0.174	1	U	U	0.190	1	U	UJ	0.195	1	U	UJ
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43E-02	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01	0.089	1	U	U	0.096	1	U	U	0.098	1	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.8250	NVA	NVA	8.3E-01	0.354	1	U	U	0.386	1	U	U	0.394	1	U	U
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.1650	NVA	NVA	3.1E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02	0.174	1	U	U	0.190	1	U	U	0.195	1	U	U
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	93.2	1			85.5	1			83.8	1		
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.0050	NVA	NVA	1.1E+01	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.0050	NVA	NVA	2.0E+01	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.0050	NVA	NVA	1.4E+00	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.0050	NVA	NVA	1.0E+03	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.0050	NVA	NVA	7.0E-01	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.0050	NVA	NVA	2.9E-01	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.0050	NVA	NVA	3.1E+01	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.0050	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.4E+02	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.0050	NVA	NVA	2.0E-02	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.0050	NVA	NVA	5.0E-03	0.001	1	U	U	0.001	1	U	U	0.001	1	U	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.0050	NVA	NVA	6.0E+01	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.0050	NVA	NVA	4.7E-01	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.2E+02	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.0050	NVA	NVA	7.1E+01	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.0050	NVA	NVA	7.5E+00	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.0050	NVA	NVA	4.2E+00	0.005	1	U	U	0.006	1	U	U	0.005	1	U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.0100	NVA	NVA	6.1E+03	0.011	1	U	U	0.012	1	U	U	0.011	1	U	U
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.0100	NVA	NVA	2.6E-01	0.011	1	U	U	0.012	1	U	U	0.011	1	U	U

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	55SB02 55-SB02-3_5 27-Sep-06 REG 3_5 - 3_5 Ft				55SB03 55-SB03-1-2 ^e 27-Sep-06 REG 1 - 2 Ft				55SB03 55-SB03-3_0 ^e 27-Sep-06 REG 3 - 3 Ft				
SAMPLE_NO																					
SAMPLE_DATE																					
FK_DEPTH																					
SAMPLE_PURPOSE																					

Notes:

Blank results cells indicate sample was not analyzed for that chemical.

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through march 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>^b Lower of surface and subsurface soil background concentrations used in these comparisons^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors. given in TCEQ March 2006 guidance.^e Sample was chosen for SPLP analysis by method 1312.

H Estimate is high.

J Estimated value. Chemical was detected above the method detection limit but below the MQL.

L Estimate is low.

NE Value not established

NVA No value available

REG Regular Sample

U Compound not detected

95% UPL 95 per cent Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE									55SB04	55SB04		55SB05								
SAMPLE_NO							Background		55-SB04-1-2	55-SB04-5-6		55-SB05-1-2								
SAMPLE_DATE	TCEQ						Concentrations in Soil		27-Sep-06	27-Sep-06		28-Sep-06								
FK_DEPTH	Medium-Specific						(95% UPL, mg/kg) ^b		REG	REG		REG								
SAMPLE_PURPOSE	Concentration (MSC)								1 - 2 Ft	5 - 6 Ft		1 - 2 Ft								
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Detection Limit (MDL)	Quantitation Limit (MQL)	Surface 0 - 0.5 Ft	Subsurface 1.5 - 2.5 Ft	Risk-Based TCEQ MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.100	0.250	NVA	NVA	3.1E+02	0.249	1	U	U	0.248	1	U	U				
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.100	0.250	NVA	NVA	1.0E+00	0.249	1	U	U	0.248	1	U	U				
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.100	0.250	NVA	NVA	5.1E+00	0.249	1	U	U	0.248	1	U	U				
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.250	NVA	NVA	2.5E-01	0.110	1	U	U	0.110	1	U	U				
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.260	NVA	NVA	2.6E-01	0.110	1	U	U	0.110	1	U	U				
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.259	1	U	U	0.257	1	U	U				
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.259	1	U	U	0.257	1	U	U				
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.100	2.200	NVA	NVA	1.0E+02	2.190	1	U	U	2.180	1	U	U				
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.249	1	U	U	0.248	1	U	U				
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.130	0.260	NVA	NVA	5.1E+00	0.259	1	U	U	0.257	1	U	U				
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.249	1	U	UJL	0.248	1	U	UJL				
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.249	1	U	U	0.248	1	U	U				
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.100	1.000	NVA	NVA	2.6E+00	0.995	1	U	U	0.990	1	U	U				
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.200	0.650	NVA	NVA	1.0E+02	0.647	1	U	U	0.644	1	U	U				
METALS	Aluminum	1.0E+06	1.0E+04	10.000	20.00	1.63E+04	2.08E+04	1.6E+04												
METALS	Antimony	4.9E+02	6.0E-01	0.500	0.10	9.40E-01	1.60E+00	9.4E-01												
METALS	Arsenic	2.0E+02	1.0E+00	0.075	0.30	4.81E+00	5.54E+00	4.8E+00												
METALS	Barium	1.7E+05	2.0E+02	0.075	0.30	1.52E+02	8.54E+01	2.0E+02												
METALS	Beryllium	2.7E+02	4.0E-01	0.012	0.50	6.45E-01	7.66E-01	6.5E-01												
METALS	Cadmium	1.5E+03	5.0E-01	0.025	0.10	1.40E+00	4.00E-01	5.0E-01												
METALS	Calcium	NE	NE	NA	NA	--	--	--												
METALS	Chromium	3.5E+05	1.0E+01	0.100	0.40	2.66E+01	3.01E+01	2.7E+01												
METALS	Cobalt	1.1E+05	6.1E+02	0.125	0.50	7.23E+00	5.61E+00	6.1E+02												
METALS	Copper	7.4E+04	1.3E+02	0.150	0.60	5.55E+00	9.25E+00	1.3E+02												
METALS	Iron	NE	NE	NA	NA	--	--	--												
METALS	Lead	1.0E+03	1.5E+00	0.500	5.00	2.26E+01	1.14E+01	1.1E+01												
METALS	Magnesium	NE	NE	NA	NA	--	--	--												
METALS	Manganese	1.1E+05	1.4E+03	0.050	0.20	1.25E+03	2.01E+02	1.4E+03												
METALS	Mercury	1.5E-01	2.0E-01	0.010	0.25	8.19E-02	3.60E-01	2.5E-01												
METALS	Nickel	1.2E+04	2.0E+02	0.200	0.80	6.98E+00	1.16E+01	2.0E+02												
METALS	Potassium	NE	NE	NA	NA	--	--	--												
METALS	Selenium	9.3E+03	5.0E+00	0.100	0.20	3.48E+00	5.56E+00	5.0E+00												
METALS	Silver	2.9E+03	5.1E+01	0.050	0.20	3.10E-01	3.70E-01	5.1E+01												
METALS	Sodium	NE	NE	NA	NA	--	--	--												
METALS	Thallium	NE	2.0E-01	0.010	0.02	NVA	NVA	2.0E-01												
METALS	Vanadium	3.0E+03	7.2E+01	0.125	0.50	3.21E+01	4.46E+01	7.2E+01												
METALS	Zinc	4.1E+05	3.1E+03	0.625	2.50	6.16E+01	2.02E+01	3.1E+03												
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.01	NVA	NVA	7.2E+00	0.100	10	U	U	0.100	10	U	U	2.10E-01	50	U	U
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.1650	NVA	NVA	7.0E+00									1.77E-01	1	U	U
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.1650	NVA	NVA	6.0E+01									1.77E-01	1	U	U
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.1650	NVA	NVA	7.1E+01									1.77E-01	1	U	U
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.1650	NVA	NVA	7.5E+00									1.77E-01	1	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03									1.77E-01	1	U	U
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00									1.77E-01	1	U	U
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01									1.77E-01	1	U	U
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02									1.77E-01	1	U	U
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01									8.84E-01	1	U	U
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01									9.02E-02	1	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01									9.02E-02	1	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02									1.77E-01	1	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01									1.77E-01	1	U	U
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01									1.77E-01	1	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02									1.77E-01	1	U	U
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00									8.84E-01	1	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00									1.77E-01	1	U	U
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01									1.80E-01	1	U	U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00									8.84E-01	1	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01									8.84E-01	1	U	U
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01									9.02E-02	1	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01									1.77E-01	1	U	U
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01									1.77E-01	1	U	U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01									9.02E-02	1	U	U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01									1.77E-01	1	U	U
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00									8.84E-01	1	U	U

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE						Background		Applicable TCEQ Risk-Based MSC ^c	55SB04		55SB04		55SB05		
SAMPLE_NO						Concentrations in Soil			55-SB04-1-2		55-SB04-5-6		55-SB05-1-2		
SAMPLE_DATE						(95% UPL, mg/kg) ^b			27-Sep-06		27-Sep-06		28-Sep-06		
FK_DEPTH		TCEQ Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	Surface 0 - 0.5 Ft	Subsurface 1.5 - 2.5 Ft		REG 1 - 2 Ft		REG 5 - 6 Ft		REG 1 - 2 Ft		
SAMPLE_PURPOSE															
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)				DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01			8.84E-01	1	U	U	
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01			1.77E-01	1	U	U	
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02			1.77E-01	1	U	U	
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03			1.77E-01	1	U	U	
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01			9.02E-02	1	U	U	
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54E-02	NVA	1.7E-01			9.02E-02	1	U	U	
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01			9.02E-02	1	U	U	
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23E-02	NVA	3.1E+02			1.77E-01	1	U	U	
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30E-02	NVA	3.9E-01			1.77E-01	1	U	U	
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.3300	0.8250	NVA	NVA	4.1E+04			8.84E-01	1	U	U	
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03			1.77E-01	1	U	U	
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01			9.02E-02	1	U	U	
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01			9.02E-02	1	U	U	
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00			1.77E-01	1	U	U	
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E-01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01			1.77E-01	1	U	U	
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03			1.77E-01	1	U	U	
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51E-02	NVA	3.9E+00			1.77E-01	1	U	U	
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01			9.02E-02	1	U	U	
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01			1.77E-01	1	U	U	
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03			1.77E-01	1	U	U	
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03			1.77E-01	1	U	U	
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03			1.77E-01	1	U	U	
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02			1.77E-01	1	U	U	
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29E-02	NVA	4.1E+02			1.77E-01	1	U	U	
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02			1.77E-01	1	U	U	
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01			9.02E-02	1	U	U	
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00			1.77E-01	1	U	U	
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00			1.77E-01	1	U	UJ	
SEMIVOLATILES	Hexachloroethane	7.5E-02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01			1.77E-01	1	U	U	
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43E-02	NVA	1.7E-01			9.02E-02	1	U	U	
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02			1.77E-01	1	U	U	
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02			1.77E-01	1	U	U	
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00			1.77E-01	1	U	U	
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01			9.02E-02	1	U	U	
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00			1.77E-01	1	U	U	
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.8250	NVA	NVA	8.3E-01			3.61E-01	1	U	U	
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.1650	NVA	NVA	3.1E+02			1.77E-01	1	U	U	
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03			1.77E-01	1	U	U	
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02			1.77E-01	1	U	U	
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	90.6	1.0	90.9	1.0	91.5	1	91.5
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.0050	NVA	NVA	1.1E+01			6.09E-03	1	U	U	
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.0050	NVA	NVA	2.0E+01			6.09E-03	1	U	U	
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.0050	NVA	NVA	1.4E+00			6.09E-03	1	U	U	
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01			6.09E-03	1	U	U	
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.0050	NVA	NVA	1.0E+03			6.09E-03	1	U	U	
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.0050	NVA	NVA	7.0E-01			6.09E-03	1	U	U	
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.0050	NVA	NVA	2.9E-01			6.09E-03	1	U	U	
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.0050	NVA	NVA	3.1E+01			6.09E-03	1	U	U	
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.0050	NVA	NVA	5.0E-03			1.09E-03	1	U	U	
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00			6.09E-03	1	U	U	
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.4E+02			6.09E-03	1	U	U	
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.0050	NVA	NVA	2.0E-02			6.09E-03	1	U	U	
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.0050	NVA	NVA	5.0E-03			5.46E-04	1	U	U	
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.0050	NVA	NVA	6.0E+01			6.09E-03	1	U	U	
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.0050	NVA	NVA	4.7E-01			6.09E-03	1	U	U	
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01			6.09E-03	1	U	U	
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03			6.09E-03	1	U	U	
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.2E+02			6.09E-03	1	U	U	
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.0050	NVA	NVA	7.1E+01			6.09E-03	1	U	U	
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00			6.09E-03	1	U	U	
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.0050	NVA	NVA	7.5E+00			6.09E-03	1	U	U	
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.0050	NVA	NVA	4.2E+00			6.09E-03	1	U	U	
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.0100	NVA	NVA	6.1E+03			1.22E-02	1	U	U	
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.0100	NVA	NVA	2.6E-01			1.22E-02	1	U	U	

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE						Background		Applicable TCEQ Risk-Based MSC ^c	55SB04			55SB04			55SB05			
SAMPLE_NO						Concentrations in Soil			55-SB04-1-2			55-SB04-5-6			55-SB05-1-2			
SAMPLE_DATE						(95% UPL, mg/kg) ^b			27-Sep-06			27-Sep-06			28-Sep-06			
FK_DEPTH									REG			REG			REG			
SAMPLE_PURPOSE									1 - 2 Ft			5 - 6 Ft			1 - 2 Ft			
Concentration (MSC)																		
		Medium-Specific		Method	Method	Surface		Subsurface										
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft											
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.0005	0.0050	NVA	NVA	2.0E+02						6.09E-03 1 U U				
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.0100	NVA	NVA	8.7E+01						1.22E-02 1 U U				
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.0005	0.0050	NVA	NVA	4.8E+00						6.09E-03 1 U U				
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.0100	NVA	NVA	2.5E+03						1.22E-02 1 U UJ				
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01						6.09E-03 1 U U				
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.0005	0.0050	NVA	NVA	1.6E+02						6.09E-03 1 U U				
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.0005	0.0050	NVA	NVA	3.4E+02						6.09E-03 1 U U				
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.0050	NVA	NVA	4.6E-01						6.09E-03 1 U U				
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.0050	NVA	NVA	3.6E+00						6.09E-03 1 U U				
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.0100	NVA	NVA	4.9E+00						1.22E-02 1 U U				
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03						6.09E-03 1 U U				
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01						6.09E-03 1 U U				
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01						6.09E-03 1 U U				
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.0100	NVA	NVA	4.1E+03						1.22E-02 1 U U				
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.0050	NVA	NVA	5.2E-01						6.09E-03 1 U U				
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.0100	NVA	NVA	3.8E+00						1.22E-02 1 U U				
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00						6.09E-03 1 U U				
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.0050	NVA	NVA	5.3E-01						6.09E-03 1 U U				
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.0050	NVA	NVA	3.4E+00						6.09E-03 1 U U				
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.0005	0.0050	NVA	NVA	3.8E+01						6.09E-03 1 U U				
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.0100	NVA	NVA	2.0E+03						1.22E-02 1 U U				
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.0050	NVA	NVA	7.0E+01						6.09E-03 1 U U				
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0005	0.0050	NVA	NVA	2.0E+00						6.09E-03 1 U U				
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03						6.09E-03 1 U U				
VOLATILES	m,p-Xylenes	3.3E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03						6.09E-03 1 U U				
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.0100	NVA	NVA	8.2E+02						1.22E-02 1 U U				
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.0050	NVA	NVA	5.0E-01						6.09E-03 1 U U				
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0005	0.0100	NVA	NVA	2.0E+02						1.22E-02 1 U U				
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02						6.09E-03 1 U U				
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02						6.09E-03 1 U U				
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03						6.09E-03 1 U U				
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02						6.09E-03 1 U U				
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01						6.09E-03 1 U U				
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02						6.09E-03 1 U U				
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01						6.09E-03 1 U U				
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.0050	NVA	NVA	1.0E+02						6.09E-03 1 U U				
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01						6.09E-03 1 U U				
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00						6.09E-03 1 U U				
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01						6.09E-03 1 U U				
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.0100	NVA	NVA	3.1E+03						1.22E-02 1 U U				
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.0010	0.0100	NVA	NVA	8.0E+02						1.22E-02 1 U U				
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.0100	NVA	NVA	6.6E-02						1.22E-02 1 U U				

Notes:

Blank results cells indicate sample was not analyzed for that chemical.

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through march 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>^b Lower of surface and subsurface soil background concentrations used in these comparisons^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors. given in TCEQ March 2006 guidance.^e Sample was chosen for SPLP analysis by method 1312.

H Estimate is high.

J Estimated value. Chemical was detected above the method detection limit but below the MQL.

L Estimate is low.

NE Value not established

NVA No value available

REG Regular Sample

U Compound not detected

95% UPL 95 per cent Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	55SB05				55SB06				55SB06				
SAMPLE_NO									55-SB05-2_5				55-SB06-(1-2)				55-SB06-(5-6)				
SAMPLE_DATE									28-Sep-06				27-Sep-06				27-Sep-06				
FK_DEPTH									REG				REG				REG				
SAMPLE_PURPOSE									2_5 - 2.5 Ft				1 - 2 Ft				5 - 6 Ft				
		TCEQ		Method	Method	Concentrations in Soil (95% UPL, mg/kg) ^b			Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Detection Limit (MDL)	Quantitation Limit (MQL)	Surface 0 - 0.5 Ft	Subsurface 1.5 - 2.5 Ft														
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.100	0.250	NVA	NVA		3.1E+02				0.239	1	U	U	0.244	1	U	U	
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.100	0.250	NVA	NVA		1.0E+00				0.239	1	U	U	0.244	1	U	U	
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.100	0.250	NVA	NVA		5.1E+00				0.239	1	U	U	0.244	1	U	U	
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.250	NVA	NVA		2.5E-01				0.107	1	U	U	0.108	1	U	U	
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.260	NVA	NVA		2.6E-01				0.107	1	U	U	0.108	1	U	U	
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA		1.7E+00				0.249	1	U	U	0.254	1	U	U	
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA		1.7E+00				0.249	1	U	U	0.254	1	U	U	
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.100	2.200	NVA	NVA		1.0E+02				2.110	1	U	U	2.150	1	U	U	
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA		1.0E+02				0.239	1	U	U	0.244	1	U	U	
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.130	0.260	NVA	NVA		5.1E+00				0.249	1	U	U	0.254	1	U	U	
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.100	0.250	NVA	NVA		1.0E+02				0.239	1	U	UJL	0.244	1	U	UJL	
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA		1.0E+02				0.239	1	U	U	0.244	1	U	U	
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.100	1.000	NVA	NVA		2.6E+00				0.957	1	U	U	0.976	1	U	U	
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.200	0.650	NVA	NVA		1.0E+02				0.622	1	U	U	0.634	1	U	U	
METALS	Aluminum	1.0E+06	1.0E+04	10.000	20.00	1.63E+04	2.08E+04		1.6E+04												
METALS	Antimony	4.9E+02	6.0E-01	0.500	0.10	9.40E-01	1.60E+00		9.4E-01												
METALS	Arsenic	2.0E+02	1.0E+00	0.075	0.30	4.81E+00	5.54E+00		4.8E+00												
METALS	Barium	1.7E+05	2.0E+02	0.075	0.30	1.52E+02	8.54E+01		2.0E+02												
METALS	Beryllium	2.7E+02	4.0E-01	0.012	0.50	6.45E-01	7.66E-01		6.5E-01												
METALS	Cadmium	1.5E+03	5.0E-01	0.025	0.10	1.40E+00	4.00E-01		5.0E-01												
METALS	Calcium	NE	NE	NA	NA	--	--		--												
METALS	Chromium	3.5E+05	1.0E+01	0.100	0.40	2.66E+01	3.01E+01		2.7E+01												
METALS	Cobalt	1.1E+05	6.1E+02	0.125	0.50	7.23E+00	5.61E+00		6.1E+02												
METALS	Copper	7.4E+04	1.3E+02	0.150	0.60	5.55E+00	9.25E+00		1.3E+02												
METALS	Iron	NE	NE	NA	NA	--	--		--												
METALS	Lead	1.0E+03	1.5E+00	0.500	5.00	2.26E+01	1.14E+01		1.1E+01												
METALS	Magnesium	NE	NE	NA	NA	--	--		--												
METALS	Manganese	1.1E+05	1.4E+03	0.050	0.20	1.25E+03	2.01E+02		1.4E+03												
METALS	Mercury	1.5E-01	2.0E-01	0.010	0.25	8.19E-02	3.60E-01		2.5E-01												
METALS	Nickel	1.2E+04	2.0E+02	0.200	0.80	6.98E+00	1.16E+01		2.0E+02												
METALS	Potassium	NE	NE	NA	NA	--	--		--												
METALS	Selenium	9.3E+03	5.0E+00	0.100	0.20	3.48E+00	5.56E+00		5.0E+00												
METALS	Silver	2.9E+03	5.1E+01	0.050	0.20	3.10E-01	3.70E-01		5.1E+01												
METALS	Sodium	NE	NE	NA	NA	--	--		--												
METALS	Thallium	NE	2.0E-01	0.010	0.02	NVA	NVA		2.0E-01												
METALS	Vanadium	3.0E+03	7.2E+01	0.125	0.50	3.21E+01	4.46E+01		7.2E+01												
METALS	Zinc	4.1E+05	3.1E+03	0.625	2.50	6.16E+01	2.02E+01		3.1E+03												
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.01	NVA	NVA		7.2E+00	2.10E-01	50	U	U	0.100	1	U	U	0.040	4	U	U
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.1650	NVA	NVA		7.0E+00	1.78E-01											
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.1650	NVA	NVA		6.0E+01	1.78E-01											
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.1650	NVA	NVA		7.1E+01	1.78E-01											
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.1650	NVA	NVA		7.5E+00	1.78E-01											
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA		1.0E+03	1.78E-01											
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA		2.6E+00	1.78E-01											
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA		3.1E+01	1.78E-01											
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA		2.0E+02	1.78E-01											
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA		2.0E+01	8.90E-01											
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA		1.7E-01	8.98E-02											
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA		1.7E-01	8.98E-02											
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA		8.2E+02	1.78E-01											
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA		5.1E+01	1.78E-01											
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA		4.1E+01	1.78E-01											
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA		5.1E+02	1.78E-01											
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA		3.1E+00	8.90E-01											
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA		3.1E+00	1.78E-01											
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA		3.3E-01	1.80E-01											
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA		3.1E+00	8.90E-01											
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA		2.0E+01	8.90E-01											
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA		1.7E-01	8.98E-02											
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA		5.1E+01	1.78E-01											
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA		4.1E+01	1.78E-01											
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA		1.7E-01	8.98E-02											
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA		5.1E+01	1.78E-01											
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA		7.5E+00	8.90E-01											

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE									55SB05	55SB06	55SB06
SAMPLE_NO									55-SB05-2_5	55-SB06-(1-2)	55-SB06-(5-6)
SAMPLE_DATE									28-Sep-06	27-Sep-06	27-Sep-06
FK_DEPTH									REG	REG	REG
SAMPLE_PURPOSE									2_5 - 2_5 Ft	1 - 2 Ft	5 - 6 Ft
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Method	Method	Surface	Subsurface	Risk-Based	Result ^d	DIL Qual	ValQual
				Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c			
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01	8.90E-01	1 U	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01	1.78E-01	1 U	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02	1.78E-01	1 U	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	1.78E-01	1 U	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01	8.98E-02	1 U	U
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54E-02	NVA	1.7E-01	8.98E-02	1 U	U
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01	8.98E-02	1 U	U
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23E-02	NVA	3.1E+02	1.78E-01	1 U	U
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30E-02	NVA	3.9E-01	1.78E-01	1 U	U
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.3300	0.8250	NVA	NVA	4.1E+04	8.90E-01	1 U	U
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	1.78E-01	1 U	U
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1 U	U
SEMIVOLATILES	bis(2-Chloroethoxy)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1 U	U
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00	1.78E-01	1 U	U
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01	1.78E-01	1 U	U
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03	1.78E-01	1 U	U
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51E-02	NVA	3.9E+00	1.78E-01	1 U	U
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1 U	U
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01	1.78E-01	1 U	U
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	1.78E-01	1 U	U
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03	1.78E-01	1 U	U
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03	1.14E-01	1 J	
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	1.78E-01	1 U	U
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29E-02	NVA	4.1E+02	1.78E-01	1 U	U
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02	1.78E-01	1 U	U
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1 U	U
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00	1.78E-01	1 U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00	1.78E-01	1 U	U
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01	1.78E-01	1 U	UJ
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43E-02	NVA	1.7E-01	8.98E-02	1 U	U
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02	1.78E-01	1 U	U
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02	1.78E-01	1 U	U
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00	1.78E-01	1 U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01	8.98E-02	1 U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00	1.78E-01	1 U	U
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.8250	NVA	NVA	8.3E-01	3.59E-01	1 U	U
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.1650	NVA	NVA	3.1E+02	1.78E-01	1 U	U
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03	1.78E-01	1 U	U
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02	1.78E-01	1 U	U
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	91.9	1	
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.0050	NVA	NVA	1.1E+01	5.42E-03	1 U	U
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.0050	NVA	NVA	2.0E+01	5.42E-03	1 U	U
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.0050	NVA	NVA	1.4E+00	5.42E-03	1 U	U
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	5.42E-03	1 U	U
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.0050	NVA	NVA	1.0E+03	5.42E-03	1 U	U
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.0050	NVA	NVA	7.0E-01	5.42E-03	1 U	U
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.0050	NVA	NVA	2.9E-01	5.42E-03	1 U	U
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.0050	NVA	NVA	3.1E+01	5.42E-03	1 U	U
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.0050	NVA	NVA	5.0E-03	1.09E-03	1 U	U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00	5.42E-03	1 U	U
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.4E+02	5.42E-03	1 U	U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.0050	NVA	NVA	2.0E-02	5.42E-03	1 U	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.0050	NVA	NVA	5.0E-03	5.44E-04	1 U	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.0050	NVA	NVA	6.0E+01	5.42E-03	1 U	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.0050	NVA	NVA	4.7E-01	5.42E-03	1 U	U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01	5.42E-03	1 U	U
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03	5.42E-03	1 U	U
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.2E+02	5.42E-03	1 U	U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.0050	NVA	NVA	7.1E+01	5.42E-03	1 U	U
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00	5.42E-03	1 U	U
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.0050	NVA	NVA	7.5E+00	5.42E-03	1 U	U
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.0050	NVA	NVA	4.2E+00	5.42E-03	1 U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.0100	NVA	NVA	6.1E+03	1.08E-02	1 U	U
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.0100	NVA	NVA	2.6E-01	1.08E-02	1 U	U

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	55SB05				55SB06				55SB06				
SAMPLE_NO									55-SB05-2_5				55-SB06-(1-2)				55-SB06-(5-6)				
SAMPLE_DATE									28-Sep-06				27-Sep-06				27-Sep-06				
FK_DEPTH									REG				REG				REG				
SAMPLE_PURPOSE									2_5 - 2_5 Ft				1 - 2 Ft				5 - 6 Ft				
		TCEQ		Method		Method		Background													
		Concentration (MSC)		Detection		Quantitation		Concentrations in Soil													
								(95% UPL, mg/kg) ^b													
								Surface		Subsurface											
Test Group		Parameter (Units = mg/kg)		SAI-Ind ^a		GWP-Ind ^a		Limit (MDL)		Limit (MQL)		0 - 0.5 Ft		1.5 - 2.5 Ft							
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.0005	0.0050	NVA	NVA			2.0E+02	5.42E-03	1	U	U							
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.0100	NVA	NVA			8.7E+01	1.08E-02	1	U	U							
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.0005	0.0050	NVA	NVA			4.8E+00	5.42E-03	1	U	U							
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.0100	NVA	NVA			2.5E+03	1.08E-02	1	U	U							
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA			5.0E-01	5.42E-03	1	U	U							
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.0005	0.0050	NVA	NVA			1.6E+02	5.42E-03	1	U	U							
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.0005	0.0050	NVA	NVA			3.4E+02	5.42E-03	1	U	U							
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.0050	NVA	NVA			4.6E-01	5.42E-03	1	U	U							
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.0050	NVA	NVA			3.6E+00	5.42E-03	1	U	U							
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.0100	NVA	NVA			4.9E+00	1.08E-02	1	U	U							
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.0050	NVA	NVA			1.0E+03	5.42E-03	1	U	U							
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.0050	NVA	NVA			5.0E-01	5.42E-03	1	U	U							
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.0050	NVA	NVA			1.0E+01	5.42E-03	1	U	U							
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.0100	NVA	NVA			4.1E+03	1.08E-02	1	U	U							
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.0050	NVA	NVA			5.2E-01	5.42E-03	1	U	U							
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.0100	NVA	NVA			3.8E+00	1.08E-02	1	U	U							
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.0050	NVA	NVA			7.0E+00	5.42E-03	1	U	U							
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.0050	NVA	NVA			5.3E-01	5.42E-03	1	U	U							
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.0050	NVA	NVA			3.4E+00	5.42E-03	1	U	U							
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.0005	0.0050	NVA	NVA			3.8E+01	5.42E-03	1	U	U							
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.0100	NVA	NVA			2.0E+03	1.08E-02	1	U	U							
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.0050	NVA	NVA			7.0E+01	5.42E-03	1	U	U							
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0005	0.0050	NVA	NVA			2.0E+00	5.42E-03	1	U	U							
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.0050	NVA	NVA			1.0E+03	5.42E-03	1	U	U							
VOLATILES	m,p-Xylenes	3.3E+03	1.0E+03	0.0005	0.0050	NVA	NVA			1.0E+03	4.61E-03	1	J	J							
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.0100	NVA	NVA			8.2E+02	1.08E-02	1	U	U							
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.0050	NVA	NVA			5.0E-01	5.42E-03	1	U	U							
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0005	0.0100	NVA	NVA			2.0E+02	1.08E-02	1	U	U							
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.0005	0.0050	NVA	NVA			4.1E+02	5.42E-03	1	U	U							
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.0005	0.0050	NVA	NVA			4.1E+02	5.42E-03	1	U	U							
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.0005	0.0050	NVA	NVA			1.0E+03	5.42E-03	1	U	U							
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.0005	0.0050	NVA	NVA			4.1E+02	5.42E-03	1	U	U							
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.0050	NVA	NVA			1.0E+01	5.42E-03	1	U	U							
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.0005	0.0050	NVA	NVA			4.1E+02	5.42E-03	1	U	U							
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.0050	NVA	NVA			5.0E-01	5.42E-03	1	U	U							
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.0050	NVA	NVA			1.0E+02	5.42E-03	1	U	U							
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.0050	NVA	NVA			1.0E+01	5.42E-03	1	U	U							
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA			2.9E+00	5.42E-03	1	U	U							
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA			5.0E-01	5.42E-03	1	U	U							
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.0100	NVA	NVA			3.1E+03	1.08E-02	1	U	U							
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.0010	0.0100	NVA	NVA			8.0E+02	1.08E-02	1	U	U							
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.0100	NVA	NVA			6.6E-02	1.08E-02	1	U	U							

Notes:

Blank results cells indicate sample was not analyzed for that chemical.

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through march 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>^b Lower of surface and subsurface soil background concentrations used in these comparisons^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors. given in TCEQ March 2006 guidance.^e Sample was chosen for SPLP analysis by method 1312.

H Estimate is high.

J Estimated value. Chemical was detected above the method detection limit but below the MQL.

L Estimate is low.

NE Value not established

NVA No value available

REG Regular Sample

U Compound not detected

95% UPL 95 per cent Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE		TCEQ				Background		Applicable TCEQ Risk-Based MSC ^c	55SB07 55-SB07-(1-2) 27-Sep-06 REG 1 - 2 Ft			55SB07 55-SB07-(5-6) 27-Sep-06 REG 5 - 6 Ft				
SAMPLE_NO	SAMPLE_DATE	Medium-Specific		Method	Method	Concentrations in Soil (95% UPL, mg/kg) ^b			Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
FK_DEPTH	SAMPLE_PURPOSE	Concentration (MSC)		Detection	Quantitation	Surface	Subsurface									
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft									
EXPLOSIVES	1,3,5-Trinitrobenzene	3.1E+04	3.1E+02	0.100	0.250	NVA	NVA	3.1E+02	0.242	1	U	U	0.240	1	U	U
EXPLOSIVES	1,3-Dinitrobenzene	1.0E+02	1.0E+00	0.100	0.250	NVA	NVA	1.0E+00	0.242	1	U	U	0.240	1	U	U
EXPLOSIVES	2,4,6-Trinitrotoluene	5.1E+02	5.1E+00	0.100	0.250	NVA	NVA	5.1E+00	0.242	1	U	U	0.240	1	U	U
EXPLOSIVES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.250	NVA	NVA	2.5E-01	0.115	1	U	U	0.112	1	U	U
EXPLOSIVES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.100	0.260	NVA	NVA	2.6E-01	0.115	1	U	U	0.112	1	U	U
EXPLOSIVES	2-Amino-4,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.251	1	U	U	0.250	1	U	U
EXPLOSIVES	4-Amino-2,6-dinitrotoluene	1.7E+02	1.7E+00	0.100	0.260	NVA	NVA	1.7E+00	0.251	1	U	U	0.250	1	U	U
EXPLOSIVES	HMX	1.3E+04	1.0E+02	0.100	2.200	NVA	NVA	1.0E+02	2.130	1	U	U	2.120	1	U	U
EXPLOSIVES	m-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.242	1	U	U	0.240	1	U	U
EXPLOSIVES	Nitrobenzene	2.7E+02	5.1E+00	0.130	0.260	NVA	NVA	5.1E+00	0.251	1	U	U	0.250	1	U	U
EXPLOSIVES	o-Nitrotoluene	8.6E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.242	1	U	UJL	0.240	1	U	UJL
EXPLOSIVES	p-Nitrotoluene	7.9E+02	1.0E+02	0.100	0.250	NVA	NVA	1.0E+02	0.242	1	U	U	0.240	1	U	U
EXPLOSIVES	RDX	5.4E+01	2.6E+00	0.100	1.000	NVA	NVA	2.6E+00	0.966	1	U	U	0.962	1	U	U
EXPLOSIVES	Tetryl	1.0E+04	1.0E+02	0.200	0.650	NVA	NVA	1.0E+02	0.628	1	U	U	0.625	1	U	U
METALS	Aluminum	1.0E+06	1.0E+04	10.000	20.00	1.63E+04	2.08E+04	1.6E+04								
METALS	Antimony	4.9E+02	6.0E-01	0.500	0.10	9.40E-01	1.60E+00	9.4E-01								
METALS	Arsenic	2.0E+02	1.0E+00	0.075	0.30	4.81E+00	5.54E+00	4.8E+00								
METALS	Barium	1.7E+05	2.0E+02	0.075	0.30	1.52E+02	8.54E+01	2.0E+02								
METALS	Beryllium	2.7E+02	4.0E-01	0.012	0.50	6.45E-01	7.66E-01	6.5E-01								
METALS	Cadmium	1.5E+03	5.0E-01	0.025	0.10	1.40E+00	4.00E-01	5.0E-01								
METALS	Calcium	NE	NE	NA	NA	--	--	--								
METALS	Chromium	3.5E+05	1.0E+01	0.100	0.40	2.66E+01	3.01E+01	2.7E+01								
METALS	Cobalt	1.1E+05	6.1E+02	0.125	0.50	7.23E+00	5.61E+00	6.1E+02								
METALS	Copper	7.4E+04	1.3E+02	0.150	0.60	5.55E+00	9.25E+00	1.3E+02								
METALS	Iron	NE	NE	NA	NA	--	--	--								
METALS	Lead	1.0E+03	1.5E+00	0.500	5.00	2.26E+01	1.14E+01	1.1E+01								
METALS	Magnesium	NE	NE	NA	NA	--	--	--								
METALS	Manganese	1.1E+05	1.4E+03	0.050	0.20	1.25E+03	2.01E+02	1.4E+03								
METALS	Mercury	1.5E-01	2.0E-01	0.010	0.25	8.19E-02	3.60E-01	2.5E-01								
METALS	Nickel	1.2E+04	2.0E+02	0.200	0.80	6.98E+00	1.16E+01	2.0E+02								
METALS	Potassium	NE	NE	NA	NA	--	--	--								
METALS	Selenium	9.3E+03	5.0E+00	0.100	0.20	3.48E+00	5.56E+00	5.0E+00								
METALS	Silver	2.9E+03	5.1E+01	0.050	0.20	3.10E-01	3.70E-01	5.1E+01								
METALS	Sodium	NE	NE	NA	NA	--	--	--								
METALS	Thallium	NE	2.0E-01	0.010	0.02	NVA	NVA	2.0E-01								
METALS	Vanadium	3.0E+03	7.2E+01	0.125	0.50	3.21E+01	4.46E+01	7.2E+01								
METALS	Zinc	4.1E+05	3.1E+03	0.625	2.50	6.16E+01	2.02E+01	3.1E+03								
PERC	Perchlorate	9.5E+02	7.2E+00	0.005	0.01	NVA	NVA	7.2E+00	0.047	5	J	J	0.200	20	U	U
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0825	0.1650	NVA	NVA	7.0E+00								
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0825	0.1650	NVA	NVA	6.0E+01								
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0825	0.1650	NVA	NVA	7.1E+01								
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0825	0.1650	NVA	NVA	7.5E+00								
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03								
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.0825	0.1650	NVA	NVA	2.6E+00								
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.0825	0.1650	NVA	NVA	3.1E+01								
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02								
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01								
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01								
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.0825	0.1650	NVA	NVA	1.7E-01								
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.0825	0.1650	NVA	NVA	8.2E+02								
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01								
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01								
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.0825	0.1650	NVA	NVA	5.1E+02								
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00								
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.0825	0.1650	NVA	NVA	3.1E+00								
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.1650	0.3300	NVA	NVA	3.3E-01								
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.3300	0.8250	NVA	NVA	3.1E+00								
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01								
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01								
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01								
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01								
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.0825	0.1650	NVA	NVA	1.7E-01								
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.0825	0.1650	NVA	NVA	5.1E+01								
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.3300	0.8250	NVA	NVA	7.5E+00								

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE		TCEQ				Background		Applicable TCEQ Risk-Based MSC ^c	55SB07		55SB07				
SAMPLE_NO						Concentrations in Soil			55-SB07-(1-2)		55-SB07-(5-6)				
SAMPLE_DATE						(95% UPL, mg/kg) ^b			27-Sep-06		27-Sep-06				
FK_DEPTH						0 - 0.5 Ft			REG		REG				
SAMPLE_PURPOSE		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	1.5 - 2.5 Ft		1 - 2 Ft		5 - 6 Ft					
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	Surface	Subsurface	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.3300	0.8250	NVA	NVA	2.0E+01							
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.0825	0.1650	NVA	NVA	3.0E+01							
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.0825	0.1650	NVA	NVA	6.1E+02							
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03							
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01							
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.0825	0.1650	1.54E-02	NVA	1.7E-01							
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.0825	0.1650	1.53E-02	NVA	1.7E-01							
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.0825	0.1650	1.23E-02	NVA	3.1E+02							
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.0825	0.1650	1.30E-02	NVA	3.9E-01							
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.3300	0.8250	NVA	NVA	4.1E+04							
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03							
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01							
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.0825	0.1650	NVA	NVA	1.7E-01							
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.0825	0.1650	NVA	NVA	4.1E+00							
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.0825	0.1650	NVA	NVA	6.0E-01							
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.0825	0.1650	NVA	NVA	2.0E+03							
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.0825	0.1650	1.51E-02	NVA	3.9E+00							
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.0825	0.1650	NVA	NVA	1.7E-01							
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.0825	0.1650	NVA	NVA	4.1E+01							
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03							
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.0825	0.1650	NVA	NVA	8.2E+03							
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.0825	0.1650	NVA	NVA	1.0E+03							
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02							
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.0825	0.1650	2.29E-02	NVA	4.1E+02							
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.0825	0.1650	NVA	NVA	4.1E+02							
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.0825	0.1650	NVA	NVA	1.7E-01							
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0825	0.1650	NVA	NVA	2.0E+00							
SEMIVOLATILES	Hexachlorocyclopentadiene	1.4E+01	5.0E+00	0.0825	0.1650	NVA	NVA	5.0E+00							
SEMIVOLATILES	Hexachloroethane	7.5E+02	1.0E+01	0.0825	0.1650	NVA	NVA	1.0E+01							
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.4E+00	3.9E-02	0.0825	0.1650	1.43E-02	NVA	1.7E-01							
SEMIVOLATILES	Isophorone	3.0E+04	3.0E+02	0.0825	0.1650	NVA	NVA	3.0E+02							
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0825	0.1650	NVA	NVA	2.0E+02							
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.0825	0.1650	NVA	NVA	5.1E+00							
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.0825	0.1650	NVA	NVA	1.7E-01							
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.0825	0.1650	NVA	NVA	5.8E+00							
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.3300	0.8250	NVA	NVA	8.3E-01							
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.0825	0.1650	NVA	NVA	3.1E+02							
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.0825	0.1650	NVA	NVA	3.1E+03							
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.0825	0.1650	1.94E-02	NVA	3.1E+02							
SOLIDS	Percent Solids	NVA	NVA	NVA	NVA	NVA	NVA	--	86.7	1		88.9	1		
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.0005	0.0050	NVA	NVA	1.1E+01							
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.0005	0.0050	NVA	NVA	2.0E+01							
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.0005	0.0050	NVA	NVA	1.4E+00							
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01							
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.0010	0.0050	NVA	NVA	1.0E+03							
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.0005	0.0050	NVA	NVA	7.0E-01							
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.0005	0.0050	NVA	NVA	2.9E-01							
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.0005	0.0050	NVA	NVA	3.1E+01							
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.0010	0.0050	NVA	NVA	5.0E-03							
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00							
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.4E+02							
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.0020	0.0050	NVA	NVA	2.0E-02							
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.0005	0.0050	NVA	NVA	5.0E-03							
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.0005	0.0050	NVA	NVA	6.0E+01							
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.0005	0.0050	NVA	NVA	4.7E-01							
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01							
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03							
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.0005	0.0050	NVA	NVA	1.2E+02							
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.0005	0.0050	NVA	NVA	7.1E+01							
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00							
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.0005	0.0050	NVA	NVA	7.5E+00							
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.0005	0.0050	NVA	NVA	4.2E+00							
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.0025	0.0100	NVA	NVA	6.1E+03							
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.0020	0.0100	NVA	NVA	2.6E-01							

Table 3-4
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-55

LOCATION_CODE						Background		Applicable TCEQ Risk-Based MSC ^c	55SB07		55SB07	
SAMPLE_NO						Concentrations in Soil			55-SB07-(1-2)		55-SB07-(5-6)	
SAMPLE_DATE						(95% UPL, mg/kg) ^b			27-Sep-06		27-Sep-06	
FK_DEPTH									REG		REG	
SAMPLE_PURPOSE									1 - 2 Ft		5 - 6 Ft	
									Result ^d		Result ^d	
									DIL Qual		DIL Qual	
									ValQual		ValQual	
Test Group	Parameter (Units = mg/kg)	TCEQ Medium-Specific Concentration (MSC)		Method Detection Limit (MDL)	Method Quantitation Limit (MQL)	Surface 0 - 0.5 Ft	Subsurface 1.5 - 2.5 Ft	Risk-Based MSC ^c				
		SAI-Ind ^a	GWP-Ind ^a									
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.0005	0.0050	NVA	NVA	2.0E+02				
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.0025	0.0100	NVA	NVA	8.7E+01				
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.0005	0.0050	NVA	NVA	4.8E+00				
VOLATILES	Acetone	2.5E+03	9.2E+03	0.0050	0.0100	NVA	NVA	2.5E+03				
VOLATILES	Benzene	1.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01				
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.0005	0.0050	NVA	NVA	1.6E+02				
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.0005	0.0050	NVA	NVA	3.4E+02				
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.0005	0.0050	NVA	NVA	4.6E-01				
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.0005	0.0050	NVA	NVA	3.6E+00				
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.0010	0.0100	NVA	NVA	4.9E+00				
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03				
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01				
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01				
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.0010	0.0100	NVA	NVA	4.1E+03				
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.0005	0.0050	NVA	NVA	5.2E-01				
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.0020	0.0100	NVA	NVA	3.8E+00				
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.0005	0.0050	NVA	NVA	7.0E+00				
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.0005	0.0050	NVA	NVA	5.3E-01				
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.0005	0.0050	NVA	NVA	3.4E+00				
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.0005	0.0050	NVA	NVA	3.8E+01				
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.0010	0.0100	NVA	NVA	2.0E+03				
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.0005	0.0050	NVA	NVA	7.0E+01				
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.0005	0.0050	NVA	NVA	2.0E+00				
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03				
VOLATILES	m,p-Xylenes	3.3E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03				
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.0025	0.0100	NVA	NVA	8.2E+02				
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.0010	0.0050	NVA	NVA	5.0E-01				
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.0005	0.0100	NVA	NVA	2.0E+02				
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02				
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02				
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.0005	0.0050	NVA	NVA	1.0E+03				
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02				
VOLATILES	Styrene	2.3E+04	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01				
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.0005	0.0050	NVA	NVA	4.1E+02				
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01				
VOLATILES	Toluene	2.5E+04	1.0E+02	0.0005	0.0050	NVA	NVA	1.0E+02				
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.0005	0.0050	NVA	NVA	1.0E+01				
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.0005	0.0050	NVA	NVA	2.9E+00				
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.0005	0.0050	NVA	NVA	5.0E-01				
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.0010	0.0100	NVA	NVA	3.1E+03				
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.0010	0.0100	NVA	NVA	8.0E+02				
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.0010	0.0100	NVA	NVA	6.6E-02				

Notes:

Blank results cells indicate sample was not analyzed for that chemical.

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through march 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>^b Lower of surface and subsurface soil background concentrations used in these comparisons^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors. given in TCEQ March 2006 guidance.^e Sample was chosen for SPLP analysis by method 1312.

H Estimate is high.

J Estimated value. Chemical was detected above the method detection limit but below the MQL.

L Estimate is low.

NE Value not established

NVA No value available

REG Regular Sample

U Compound not detected

95% UPL 95 per cent Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-5
Comparison of Chemical Concentrations Detected in Soil to Medium-Specific Concentrations
LHAAP-64

LOCATION_CODE								64SB01		64SB01		64SB01								
SAMPLE_NO								64SB01-01		64SB01-01-QC		64SB01-02								
SAMPLE_DATE								29-Aug-06		29-Aug-06		29-Aug-06								
FK_DEPTH																				
SAMPLE_PURPOSE	TCEQ		Method		Background		Applicable		REG		FD		REG							
	Concentration (MSC)		Detection	Quantitation	Concentrations in Soil (95% UPL, mg/kg) ^b		TCEQ		00.5 - 1 Ft		00.5 - 1 Ft		3.5 - 4 Ft							
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	Surface 0 - 0.5 Ft	Subsurface 1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	Val/Qual	Result ^d	DIL	Qual	Val/Qual	Result ^d	DIL	Qual	Val/Qual
PCBS	Aroclor 1016	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
PCBS	Aroclor 1221	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
PCBS	Aroclor 1232	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
PCBS	Aroclor 1242	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
PCBS	Aroclor 1248	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
PCBS	Aroclor 1254	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
PCBS	Aroclor 1260	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0183	1	U	U	0.0184	1	U	U	0.0194	1	U	U
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	50.6	1	J	J	36.4	1	J	J	31.0	1	J	J
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	68.9	1	B	B	39.3	1	J	B	58.2	1	U	U
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	54.5	1	U	U	55.2	1	U	U	58.2	1	U	U
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.08250	0.16500	NVA	NVA	7.0E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.08250	0.16500	NVA	NVA	6.0E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.08250	0.16500	NVA	NVA	7.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.08250	0.16500	NVA	NVA	7.5E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.08250	0.16500	NVA	NVA	1.0E+03	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.08250	0.16500	NVA	NVA	2.6E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.08250	0.16500	NVA	NVA	3.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.919	1	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.919	1	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.08250	0.16500	NVA	NVA	8.2E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+02	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.08250	0.16500	NVA	NVA	3.1E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.16500	0.33000	NVA	NVA	3.3E-01	0.9187	5	U	U	0.9187	5	U	U	0.1837	1	U	U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.919	1	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.919	1	U	U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.33000	0.82500	NVA	NVA	7.5E+00	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.08250	0.16500	NVA	NVA	3.0E+01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.08250	0.16500	NVA	NVA	6.1E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.919	1	U	U
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.08250	0.16500	1.54E-02	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.919	1	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.919	1	U	U
SEMIVOLATILES	Benzo(g,h,i)perylene	2.7E+04	3.1E+02	0.08250	0.16500	1.23E-02	NVA	3.1E+02	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.08250	0.16500	1.30E-02	NVA	3.9E-01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.33000	0.82500	NVA	NVA	4.1E+04	4.59	5	U	U	4.48	5	U	U	0.97	1	U	U
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.919	1	U	U
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.919	1	U	U
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.5E+02	4.1E+00	0.08250	0.16500	NVA	NVA	4.1E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.08250	0.16500	NVA	NVA	6.0E-01	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.08250	0.16500	NVA	NVA	2.0E+03	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.08250	0.16500	1.51E-02	NVA	3.9E+00	0.9180	5	U	U	0.8960	5	U	U	0.1940	1	U	U
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4594	5	U	U	0.4594	5	U	U	0.919	1	U	U
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E												

Table 3-5
Comparison of Chemical Concentrations Detected in Soil to Medium-Specific Concentrations
LHAAP-64

LOCATION_CODE												64SB01		64SB01		64SB01					
SAMPLE_NO												64SB01-01		64SB01-01-QC		64SB01-02					
SAMPLE_DATE												29-Aug-06		29-Aug-06		29-Aug-06					
FK_DEPTH												REG		FD		REG					
SAMPLE_PURPOSE												00.5 - 1 Ft		00.5 - 1 Ft		3.5 - 4 Ft					
Test Group	Parameter (Units = mg/kg)	TCEQ		Method Detection	Method Quantitation	Background Concentrations in Soil (95% UPL, mg/kg) ^b		Applicable	TCEQ Risk-Based ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
		Medium-Specific Concentration (MSC)				Surface 0 - 0.5 Ft	Subsurface 1.5 - 2.5 Ft														
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.00050	0.00500	NVA	NVA		3.1E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.00100	0.00500	NVA	NVA		5.0E-03	0.0011	1	U	U	0.0011	1	U	U	0.0011	1	U	U
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.00050	0.00500	NVA	NVA		7.0E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E-02	0.00050	0.00500	NVA	NVA		1.4E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.00200	0.00500	NVA	NVA		2.0E-02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.00050	0.00500	NVA	NVA		5.0E-03	0.0006	1	U	U	0.0006	1	U	U	0.0006	1	U	U
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.00050	0.00500	NVA	NVA		6.0E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.00050	0.00500	NVA	NVA		4.7E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.00050	0.00500	NVA	NVA		5.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.00050	0.00500	NVA	NVA		1.0E+03	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E-02	0.00050	0.00500	NVA	NVA		1.2E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E-02	0.00050	0.00500	NVA	NVA		7.1E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.00050	0.00500	NVA	NVA		2.9E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.00050	0.00500	NVA	NVA		7.5E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.00050	0.00500	NVA	NVA		4.2E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.00250	0.01000	NVA	NVA		6.1E+03	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.00200	0.01000	NVA	NVA		2.6E-01	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E-02	0.00050	0.00500	NVA	NVA		2.0E-02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	2-Hexanone	8.7E+01	6.1E-02	0.00250	0.01000	NVA	NVA		8.7E+01	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E-02	0.00050	0.00500	NVA	NVA		4.8E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Acetone	2.5E+03	9.2E+03	0.00500	0.01000	NVA	NVA		2.5E+03	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Benzene	1.6E+00	5.0E-01	0.00050	0.00500	NVA	NVA		5.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Bromobenzene	1.6E+02	2.0E-02	0.00050	0.00500	NVA	NVA		1.6E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Bromochloromethane	3.4E+02	4.1E-02	0.00050	0.00500	NVA	NVA		3.4E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.00050	0.00500	NVA	NVA		4.6E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.00050	0.00500	NVA	NVA		3.6E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.00100	0.01000	NVA	NVA		4.9E+00	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.00050	0.00500	NVA	NVA		1.0E+03	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.00050	0.00500	NVA	NVA		5.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.00050	0.00500	NVA	NVA		1.0E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.00100	0.01000	NVA	NVA		4.1E+03	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.00050	0.00500	NVA	NVA		5.2E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.00200	0.01000	NVA	NVA		3.8E+00	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.00050	0.00500	NVA	NVA		7.0E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	cis-1,3-Dichloropropene	3.5E+01	5.3E-01	0.00050	0.00500	NVA	NVA		5.3E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.00050	0.00500	NVA	NVA		3.4E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.00050	0.00500	NVA	NVA		3.8E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.00100	0.01000	NVA	NVA		2.0E+03	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.00050	0.00500	NVA	NVA		7.0E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.00050	0.00500	NVA	NVA		2.0E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Isopropylbenzene	9.0E+03	1.0E+03	0.00050	0.00500	NVA	NVA		1.0E+03	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	m,p-Xylenes ^b	3.3E+03	1.0E+03	0.00050	0.00500	NVA	NVA		1.0E+03	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Methyl isobutyl ketone	3.5E+04	8.2E+02	0.00250	0.01000	NVA	NVA		8.2E+02	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Methylene chloride	1.6E+01	5.0E-01	0.00100	0.00500	NVA	NVA		5.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Naphthalene	2.7E+02	2.0E+02	0.00050	0.01000	NVA	NVA		2.0E+02	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E-02	0.00050	0.00500	NVA	NVA		4.1E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.00050	0.00500	NVA	NVA		4.1E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.00050	0.00500	NVA	NVA		1.0E+03	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E-02	0.00050	0.00500	NVA	NVA		4.1E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Styrene	2.3E+04	1.0E+01	0.00050	0.00500	NVA	NVA		1.0E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E-02	0.00050	0.00500	NVA	NVA		4.1E+02	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.00050	0.00500	NVA	NVA		5.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Toluene	2.5E+04	1.0E-02	0.00050	0.00500	NVA	NVA		1.0E+02	0.0018	1	J	J	0.0015	1	J	J	0.0006	1	J	J
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.00050	0.00500	NVA	NVA		1.0E+01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.00050	0.00500	NVA	NVA		2.9E+00	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Trichloroethene	6.5E+03	5.0E-01	0.00050	0.00500	NVA	NVA		5.0E-01	0.0054	1	U	U	0.0052	1	U	U	0.0052	1	U	U
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.00100	0.01000	NVA	NVA		3.1E+03	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Vinyl acetate	8.0E-02	1.0E+04	0.00100	0.01000	NVA	NVA		8.0E-02	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.00100	0.01000	NVA	NVA		6.6E-02	0.0108	1	U	U	0.0105	1	U	U	0.0104	1	U	U

Table 3-5
Comparison of Chemical Concentrations Detected in Soil to Medium-Specific Concentrations
LHAAP-64

LOCATION_CODE						Background Concentrations in Soil (95% UPL mg/kg) ^b		Applicable TCEQ Risk-Based	64SB02 64SB02-01 29-Aug-06 REG 0.5 - 1 Ft			64SB02 64SB02-02 29-Aug-06 REG 3.5 - 4 Ft			64SB03 64SB03-01 * 29-Aug-06 REG 0.5 - 1 Ft			64SB03 64SB03-02 29-Aug-06 REG 3.5 - 4 Ft						
SAMPLE_NO		TCEQ Medium-Specific Concentration (MSC)		Method Detection Limit (MDL)	Method Quantitation Limit (MQL)	Surface 0 - 0.5 Ft	Subsurface 1.5 - 2.5 Ft		Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SAMPLE_DATE		SAI-Ind ^a	GWP-Ind ^a																					
FK_DEPTH	SAMPLE_PURPOSE																							
Test Group	Parameter (Units = mg/kg)							MSC ^c																
PCBS	Aroclor 1016	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0188	1	U	U	0.0198	1	U	U	0.0184	1	U	U	0.0196	1	U	U
PCBS	Aroclor 1221	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0188	1	U	U	0.0198	1	U	U	0.0184	1	U	U	0.0196	1	U	U
PCBS	Aroclor 1232	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0188	1	U	U	0.0198	1	U	U	0.0184	1	U	U	0.0196	1	U	U
PCBS	Aroclor 1242	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0188	1	U	U	0.0198	1	U	U	0.0184	1	U	U	0.0196	1	U	U
PCBS	Aroclor 1248	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0188	1	U	U	0.0198	1	U	U	0.0184	1	U	U	0.0196	1	U	U
PCBS	Aroclor 1254	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0188	1	U	U	0.0198	1	U	U	0.0184	1	U	U	0.0196	1	U	U
PCBS	Aroclor 1260	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.0188	1	U	U	0.0198	1	U	U	0.0184	1	U	U	0.0196	1	U	U
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	34.3	1	J	J	32.7	1	J	J	30.2	1	J	J	32.8	1	J	J
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	56.9	1	U	U	59.1	1	U	U	33.3	1	J	B	36.3	1	J	B
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	56.9	1	U	U	59.1	1	U	U	55.7	1	U	U	59.5	1	U	U
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.08250	0.16500	NVA	NVA	7.0E+00	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.08250	0.16500	NVA	NVA	6.0E+01	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.08250	0.16500	NVA	NVA	7.1E+01	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.08250	0.16500	NVA	NVA	7.5E+00	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.08250	0.16500	NVA	NVA	1.0E+03	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.08250	0.16500	NVA	NVA	2.6E+00	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.08250	0.16500	NVA	NVA	3.1E+01	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	1.90	2	U	U	0.98	1	U	U	4.59	5	U	U	0.98	1	U	U
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.1837	2	U	U	0.0919	1	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.1837	2	U	U	0.0919	1	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.08250	0.16500	NVA	NVA	8.2E+02	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	2-Methylphenol	5.1E+03	5.1E+02	0.08250	0.16500	NVA	NVA	5.1E+02	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	1.90	2	U	U	0.98	1	U	U	4.59	5	U	U	0.98	1	U	U
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.08250	0.16500	NVA	NVA	3.1E+00	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.16500	0.33000	NVA	NVA	3.3E-01	0.3675	2	U	U	0.1837	1	U	U	0.9187	5	U	U	0.1837	1	U	U
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	1.90	2	U	U	0.98	1	U	U	4.59	5	U	U	0.98	1	U	U
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	1.90	2	U	U	0.98	1	U	U	4.59	5	U	U	0.98	1	U	U
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.1837	2	U	U	0.0919	1	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.1837	2	U	U	0.0919	1	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.33000	0.82500	NVA	NVA	7.5E+00	1.90	2	U	U	0.98	1	U	U	4.59	5	U	U	0.98	1	U	U
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	1.90	2	U	U	0.98	1	U	U	4.59	5	U	U	0.98	1	U	U
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.08250	0.16500	NVA	NVA	3.0E+01	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.08250	0.16500	NVA	NVA	6.1E+02	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.1837	2	U	U	0.0919	1	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.08250	0.16500	1.54E-02	NVA	1.7E-01	0.1837	2	U	U	0.0919	1	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.1837	2	U	U	0.0919	1	U	U	0.4594	5	U	U	0.0919	1	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	2.7E+04	3.1E+02	0.08250	0.16500	1.23E-02	NVA	3.1E+02	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.08250	0.16500	1.30E-02	NVA	3.9E-01	0.3800	2	U	U	0.1970	1	U	U	0.9180	5	U	U	0.1960	1	U	U
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.33000	0.82500	NVA	NVA	4.1E+04	1.90	2	U	U	0.98	1	U	U	4.59	5	U	U	0.98	1	U	U
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.3800	2	U	U	0.1970	1	U	U	0.9180							

Table 3-5
Comparison of Chemical Concentrations Detected in Soil to Medium-Specific Concentrations
LHAAP-64

LOCATION_CODE						64SB02		64SB02		64SB03				64SB03																																																																																							
SAMPLE_NO						64SB02-01		64SB02-02		64SB03-01 *				64SB03-02																																																																																							
SAMPLE_DATE						29-Aug-06		29-Aug-06		29-Aug-06				29-Aug-06																																																																																							
FK_DEPTH						REG		REG		REG				REG																																																																																							
SAMPLE_PURPOSE						0.5 - 1 Ft		3.5 - 4 Ft		0.5 - 1 Ft				3.5 - 4 Ft																																																																																							
TCEQ						Applicable		TCEQ		Risk-Based		Result ^d		DIL Qual ValQual		Result ^d		DIL Qual ValQual																																																																																			
Medium-Specific						Concentrations in Soil		(95% UPL, mg/kg) ^b		TCEQ		Risk-Based		Result ^d		DIL Qual ValQual		Result ^d		DIL Qual ValQual																																																																																	
Concentration (MSC)						Surface		Subsurface		MSC ^c		Result ^d		DIL Qual ValQual		Result ^d		DIL Qual ValQual		Result ^d		DIL Qual ValQual																																																																															
Method						0 - 0.5 Ft		1.5 - 2.5 Ft		MSC ^c		Result ^d		DIL Qual ValQual		Result ^d		DIL Qual ValQual		Result ^d		DIL Qual ValQual																																																																															
Limit (MDL)						Limit (MDL)		Limit (MDL)		MSC ^c		Result ^d		DIL Qual ValQual		Result ^d		DIL Qual ValQual		Result ^d		DIL Qual ValQual																																																																															
Test Group						Parameter (Units = mg/kg)		SAI-Ind ^a		GWP-Ind ^a		Limit (MDL)		Limit (MDL)		Limit (MDL)		Limit (MDL)		Limit (MDL)		Limit (MDL)																																																																															
VOLATILES						1,2,3-Trichlorobenzene						2.1E+03						3.1E+01						0.00050						NVA						3.1E+01						0.00051						1 U U						0.0067						1 U U																																									
VOLATILES						1,2,3-Trichloropropane						8.2E-01						4.1E-03						0.00100						0.00500						NVA						NVA						5.0E-03						0.0011						1 U U						0.0011						1 U U						0.0011						1 U U																	
VOLATILES						1,2,4-Trichlorobenzene						6.1E+03						7.0E+00						0.00050						0.00500						NVA						NVA						7.0E+00						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						1,2,4-Trimethylbenzene						1.4E+02						5.1E+02						0.00050						0.00500						NVA						NVA						1.4E+02						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						1,2-Dibromo-3-chloropropane						2.0E+00						2.0E-02						0.00200						0.00500						NVA						NVA						2.0E+00						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						1,2-Dibromomethane						1.0E-01						5.0E-03						0.00050						0.00500						NVA						NVA						5.0E-03						0.0006						1 U U						0.0006						1 U U						0.0006						1 U U						0.0006						1 U U					
VOLATILES						1,2-Dichlorobenzene						8.0E+02						6.0E+01						0.00050						0.00500						NVA						NVA						6.0E+01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						1,2-Dichloroethane						4.7E-01						5.0E-01						0.00050						0.00500						NVA						NVA						4.7E-01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						1,2-Dichloropropane						2.5E+01						5.0E-01						0.00050						0.00500						NVA						NVA						5.0E-01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						1,2-Dimethylbenzene (o-Xylene)						4.8E+04						1.0E+03						0.00050						0.00500						NVA						NVA						1.0E+03						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						1,3,5-Trimethylbenzene						1.2E+02						5.1E+02						0.00050						0.00500						NVA						NVA						1.2E+02						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						1,3-Dichlorobenzene						7.1E+01						3.1E+02						0.00050						0.00500						NVA						NVA						7.1E+01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						1,3-Dichloropropane						8.0E+01						2.9E+00						0.00050						0.00500						NVA						NVA						2.9E+00						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						1,4-Dichlorobenzene						2.4E+03						7.5E+00						0.00050						0.00500						NVA						NVA						7.5E+00						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						2,2-Dichloropropane						2.4E+01						4.2E+00						0.00050						0.00500						NVA						NVA						4.2E+00						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						2-Butanone						4.2E+04						6.1E+03						0.00250						0.01000						NVA						NVA						6.1E+03						0.0102						1 U U						0.0115						1 U U						0.0105						1 U U						0.0134						1 U U					
VOLATILES						2-Chloroethyl vinyl ether						3.0E+00						2.6E-01						0.00200						0.01000						NVA						NVA						2.6E-01						0.0102						1 U U						0.0115						1 U U						0.0105						1 U U						0.0134						1 U U					
VOLATILES						2-Chlorotoluene						3.5E+03						2.0E+02						0.00050						0.00500						NVA						NVA						2.0E+02						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						2-Hexanone						8.7E+01						6.1E+02						0.00250						0.01000						NVA						NVA						8.7E+01						0.0102						1 U U						0.0115						1 U U						0.0105						1 U U						0.0134						1 U U					
VOLATILES						4-Chlorotoluene						4.8E+00						2.0E+02						0.00050						0.00500						NVA						NVA						4.8E+00						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Acetone						2.5E+03						9.2E+03						0.00500						0.01000						NVA						NVA						2.5E+03						0.0102						1 U U						0.0115						1 U U						0.0105						1 U U						0.0134						1 U U					
VOLATILES						Benzene						1.6E+00						5.0E-01						0.00050						0.00500						NVA						NVA						5.0E-01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Bromobenzene						1.6E+02						2.0E+02						0.00050						0.00500						NVA						NVA						1.6E+02						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Bromochloromethane						3.4E+02						4.1E+02						0.00050						0.00500						NVA						NVA						3.4E+02						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Bromodichloromethane						9.2E+01						4.6E-01						0.00050						0.00500						NVA						NVA						4.6E-01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Bromoform						8.5E+01						3.6E+00						0.00050						0.00500						NVA						NVA						3.6E+00						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Bromomethane						4.9E+00						1.4E+01						0.00100						0.01000						NVA						NVA						4.9E+00						0.0102						1 U U						0.0115						1 U U						0.0105						1 U U						0.0134						1 U U					
VOLATILES						Carbon disulfide						1.5E+03						1.0E+03						0.00050						0.00500						NVA						NVA						1.0E+03						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Carbon tetrachloride						6.3E-01						5.0E-01						0.00050						0.00500						NVA						NVA						5.0E-01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Chlorobenzene						5.9E+02						1.0E+01						0.00050						0.00500						NVA						NVA						1.0E+01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Chloroethane						1.7E+04						4.1E+03						0.00100						0.01000						NVA						NVA						4.1E+03						0.0102						1 U U						0.0115						1 U U						0.0105						1 U U						0.0134						1 U U					
VOLATILES						Chloroform						5.2E-01						1.0E+02						0.00050						0.00500						NVA						NVA						5.2E-01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Chloromethane						3.8E+00						2.2E+01						0.00200						0.01000						NVA						NVA						3.8E+00						0.0102						1 U U						0.0115						1 U U						0.0105						1 U U						0.0134						1 U U					
VOLATILES						cis-1,2-Dichloroethene						2.5E+03						7.0E+00						0.00050						0.00500						NVA						NVA						7.0E+00						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						cis-1,3-Dichloropropene						3.4E+01						5.3E-01						0.00050						0.00500						NVA						NVA						5.3E-01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Dibromochloromethane						6.8E+02						3.4E+00						0.00050						0.00500						NVA						NVA						3.4E+00						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Dibromomethane						2.7E+02						3.8E+01						0.00050						0.00500						NVA						NVA						3.8E+01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Dichlorodifluoromethane						3.1E+03						2.0E+03						0.00100						0.01000						NVA						NVA						2.0E+03						0.0102						1 U U						0.0115						1 U U						0.0105						1 U U						0.0134						1 U U					
VOLATILES						Ethylbenzene						6.9E+03						7.0E+01						0.00050						0.00500						NVA						NVA						7.0E+01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Hexachlorobutadiene						3.2E+01						2.0E+00						0.00050						0.00500						NVA						NVA						2.0E+00						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Isopropylbenzene						9.0E+03						1.0E+03						0.00050						0.00500						NVA						NVA						1.0E+03						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						m,p-Xylenes ^b						3.3E+03						1.0E+03						0.00050						0.00500						NVA						NVA						1.0E+03						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Methyl isobutyl ketone						3.5E+04						8.2E+02						0.00250						0.01000						NVA						NVA						8.2E+02						0.0102						1 U U						0.0115						1 U U						0.0105						1 U U						0.0134						1 U U					
VOLATILES						Methylene chloride						1.6E+01						5.0E-01						0.00100						0.00500						NVA						NVA						5.0E-01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Naphthalene						2.7E+02						2.0E+02						0.00050						0.01000						NVA						NVA						2.0E+02						0.0102						1 U U						0.0115						1 U U						0.0105						1 U U						0.0134						1 U U					
VOLATILES						n-BUTYLBENZENE						5.7E+03						4.1E+02						0.00050						0.00500						NVA						NVA						4.1E+02						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						n-PROPYLBENZENE						5.9E+03						4.1E+02						0.00050						0.00500						NVA						NVA						4.1E+02						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						p-ISOPROPYLTOLUENE						6.7E+03						1.0E+03						0.00050						0.00500						NVA						NVA						1.0E+03						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						sec-BUTYLBENZENE						5.4E+03						4.1E+02						0.00050						0.00500						NVA						NVA						4.1E+02						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						Styrene						2.3E+04						1.0E+01						0.00050						0.00500						NVA						NVA						1.0E+01						0.00051						1 U U						0.0058						1 U U						0.0053						1 U U						0.0067						1 U U					
VOLATILES						tert-BUTYLBENZENE						4.5E+03						4.1E+02						0.00050						0.005																																																																							

Notes

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on <http://www.tceq.state.tx.us/remediation/rrr.html>

^b Lower of surface and subsurface soil background concentrations used in these comparisons

^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC3335.

^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

^e Sample was chosen for SPLP analysis by SW-846 method 1312.

^f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

^g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

^h MSC value shown is for m-xylene, the more conservative of m- and p-xylene isomers.
 B: Chemical detected in blank.

FD: Field duplicate

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

NVA No value available

REG: Regular sample

U: Compound validated as not detected above MDL shown.

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-6
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-66

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	1004SS007 ^e 10-Dec-03 0-0.5 ft			1004SS008 10-Dec-03 0-0.5 ft			1004SS009 10-Dec-03 0-0.5 ft			1004SS010 10-Dec-03 0-0.5 ft			
SAMPLE_NO	TCEQ				Background Concentrations in Soil (95% UPL, mg/kg) ^b																
SAMPLE_DATE																					
FK_DEPTH	Medium-Specific Concentration (MSC)				Method Detection	Method Quantitation	Surface Subsurface														
SAMPLE_PURPOSE																					
Test Group	Parameter (Units =	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft		Result ^d	DIL	Qual	Result ^d	DIL	Qual	Result ^d	DIL	Qual	Result ^d	DIL	Qual	
PCBS	Aroclor 1254	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.094	1		0.150	1	U	0.039	1	U	0.016	1	J	
PCBS	Aroclor 1260	1.0E+01	5.0E-02	0.00825	0.01650	NVA	NVA	5.0E-02	0.044	1	U	0.041	1	U	0.039	1	U	0.038	1	U	

Notes:

No validation qualifier data available. Data from Plexus Scientific, 2005, Environmental Site Assessment Phase I & II Report, Production Areas, Longhorn Army Ammunition Plant, Karnack, Texas, Houston, Texas, February.

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available at <http://www.tceq.state.tx.us/remediation/rrr.html>

^b Lower of surface and subsurface soil background concentrations used in these comparisons

^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

^e Sample was chosen for SPLP analysis by SW-846 method 1312.

J Estimated value. Chemical was detected above the method detection limit but below the MQL.

U Compound validated as not detected above MDL shown.

NVA No value available

95% UPL: 95% Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-7
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-68

LOCATION_CODE		TCEQ						Background Concentrations in Soil		Applicable TCEQ Risk-Based MSC ^c	68SB01 68SB01-01 ^e 30-Aug-06 REG 0 - 0.5 Ft				68SB01 68SB01-01-QC 30-Aug-06 FD 0 - 0.5 Ft				68SB01 68SB01-02 30-Aug-06 REG 0.5 - 4 Ft			
SAMPLE_NO		Medium-Specific Concentration (MSC)		Method Detection		Method Quantitation		(95% UPL, mg/kg) ^b			68SB01-01-QC 30-Aug-06				68SB01-02 30-Aug-06							
SAMPLE_PURPOSE FK_DEPTH		SAI-Ind ^a		GWP-Ind ^a		Limit (MDL)		Limit (MQL)			0 - 0.5 Ft		1.5 - 2.5 Ft		Result ^d DIL Qual ValQual				Result ^d DIL Qual ValQual			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual		
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	55.9	1	U	U	55.7	1	U	U	58.3	1	U	U		
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	55.9	1	U	U	55.7	1	U	U	58.3	1	U	U		
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	55.9	1	U	U	55.7	1	U	U	58.3	1	U	U		
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.08250	0.16500	NVA	NVA	7.0E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.08250	0.16500	NVA	NVA	6.0E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.08250	0.16500	NVA	NVA	7.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.08250	0.16500	NVA	NVA	7.5E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.08250	0.16500	NVA	NVA	1.0E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.08250	0.16500	NVA	NVA	2.6E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.08250	0.16500	NVA	NVA	3.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U		
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U		
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U		
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.08250	0.16500	NVA	NVA	8.2E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.08250	0.16500	NVA	NVA	5.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U		
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.08250	0.16500	NVA	NVA	3.1E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.16500	0.33000	NVA	NVA	3.3E-01	1.8644	10	U	U	1.8644	10	U	U	0.1864	1	U	U		
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U		
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U		
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U		
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U		
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.33000	0.82500	NVA	NVA	7.5E+00	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U		
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U		
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.08250	0.16500	NVA	NVA	3.0E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.08250	0.16500	NVA	NVA	6.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U		
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.08250	0.16500	1.54E-02	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U		
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U		
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.08250	0.16500	1.23E-02	NVA	3.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.08250	0.16500	1.30E-02	NVA	3.9E-01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.33000	0.82500	NVA	NVA	4.1E+04	9.0900	10	U	U	9.2100	10	U	U	0.9720	1	U	U		
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U		
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U		
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.08250	0.16500	NVA	NVA	4.1E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.08250	0.16500	NVA	NVA	6.0E-01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.08250	0.16500	NVA	NVA	2.0E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Chrysene	3.4E+02	3.9E+00	0.08250	0.16500	1.51E-02	NVA	3.9E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Dibenzo(a,h)anthracene	3.4E-01	2.0E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U		
SEMIVOLATILES	Dibenzofuran	4.1E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Diethyl phthalate	8.2E+05	8.2E+03	0.08250	0.16500	NVA	NVA	8.2E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Dimethyl phthalate	8.2E+05	8.2E+03	0.08250	0.16500	NVA	NVA	8.2E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	di-n-Butyl phthalate	1.0E+05	1.0E+03	0.08250	0.16500	NVA	NVA	1.0E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	di-n-Octyl phthalate	2.0E+04	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Fluoranthene	3.6E+04	4.1E+02	0.08250	0.16500	2.29E-02	NVA	4.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Fluorene	3.6E+04	4.1E+02	0.08250	0.16500	NVA	NVA	4.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Hexachlorobenzene	1.0E+00	1.0E-01	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U		
SEMIVOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.08250	0.16500	NVA	NVA	2.0E+00	1.8200	10	U	U	1.8400	10								

Table 3-7
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-68

LOCATION_CODE								Background Concentrations in Soil		Applicable TCEQ Risk-Based MSC ^c	68SB01 68SB01-01 ^e 30-Aug-06				68SB01 68SB01-01-QC 30-Aug-06				68SB01 68SB01-02 30-Aug-06			
SAMPLE_NO		TCEQ		Method Detection	Method Quantitation	(95% UPL, mg/kg) ^b		REG 0 - 0.5 Ft	FD 0 - 0.5 Ft		REG 0.5 - 4 Ft	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
SAMPLE_PURPOSE		Medium-Specific Concentration (MSC)				Surface	Subsurface															
FK_DEPTH	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a			Limit (MDL)	Limit (MQL)															
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual		
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.08250	0.16500	NVA	NVA	5.1E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.08250	0.16500	NVA	NVA	1.7E-01	0.9322	10	U	U	0.9322	10	U	U	0.0932	1	U	U		
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.08250	0.16500	NVA	NVA	5.8E+00	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.33000	0.82500	NVA	NVA	8.3E-01	3.7288	10	U	U	3.7288	10	U	U	0.3729	1	U	U		
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.08250	0.16500	NVA	NVA	3.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.08250	0.16500	1.94E-02	NVA	3.1E+02	1.8200	10	U	U	1.8400	10	U	U	0.1940	1	U	U		
SOLIDS	Percent Solids	NE	NVA	NVA	NVA	NVA	NVA	--	88.5	1			88.5	1			88.5	1				
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.00050	0.00500	NVA	NVA	1.1E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.00050	0.00500	NVA	NVA	2.0E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.00050	0.00500	NVA	NVA	1.4E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.00100	0.00500	NVA	NVA	1.0E+03	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.00050	0.00500	NVA	NVA	7.0E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.00050	0.00500	NVA	NVA	2.9E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.00050	0.00500	NVA	NVA	3.1E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.00100	0.00500	NVA	NVA	5.0E-03	0.00113	1	U	U	0.00113	1	U	U	0.00113	1	U	U		
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.00050	0.00500	NVA	NVA	7.0E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.00050	0.00500	NVA	NVA	1.4E+02	0.00489	1	U	U	0.00529	1	U	U	0.00349	1	J	J		
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.00200	0.00500	NVA	NVA	2.0E-02	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.00050	0.00500	NVA	NVA	5.0E-03	0.00056	1	U	U	0.00056	1	U	U	0.00056	1	U	U		
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.00050	0.00500	NVA	NVA	6.0E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.00050	0.00500	NVA	NVA	4.7E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.00489	1	U	U	0.00529	1	U	U	0.00178	1	J	J		
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.00050	0.00500	NVA	NVA	1.2E+02	0.00489	1	U	U	0.00529	1	U	U	0.00135	1	J	J		
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.00050	0.00500	NVA	NVA	7.1E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.00050	0.00500	NVA	NVA	2.9E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.00050	0.00500	NVA	NVA	7.5E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.00050	0.00500	NVA	NVA	4.2E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.00250	0.01000	NVA	NVA	6.1E+03	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U		
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.00200	0.01000	NVA	NVA	2.6E-01	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U		
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.00050	0.00500	NVA	NVA	2.0E+02	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.00250	0.01000	NVA	NVA	8.7E+01	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U		
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.00050	0.00500	NVA	NVA	4.8E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	Acetone	2.5E+03	9.2E+03	0.00500	0.01000	NVA	NVA	2.5E+03	0.00979	1	U	U	0.01060	1	U	U	0.05870	1				
VOLATILES	Benzene	1.6E+00	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00489	1	U	U	0.00529	1	U	U	0.01250	1				
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.00050	0.00500	NVA	NVA	1.6E+02	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.00050	0.00500	NVA	NVA	3.4E+02	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.00050	0.00500	NVA	NVA	4.6E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	Bromoform	8.5E+01	3.6E+00	0.00050	0.00500	NVA	NVA	3.6E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.00100	0.01000	NVA	NVA	4.9E+00	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U		
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.00489	1	U	U	0.00529	1	U	U	0.00092	1	J	J		
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.00100	0.01000	NVA	NVA	4.1E+03	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U		
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.00050	0.00500	NVA	NVA	5.2E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.00200	0.01000	NVA	NVA	3.8E+00	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U		
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.00050	0.00500	NVA	NVA	7.0E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.00050	0.00500	NVA	NVA	5.3E-01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.00050	0.00500	NVA	NVA	3.4E+00	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.00050	0.00500	NVA	NVA	3.8E+01	0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U		
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.00100	0.01000	NVA	NVA	2.0E+03	0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U		
VOLATILES	Ethylbenzene	6.9E+03	7.0E+01	0.00050	0.00500	NVA	NVA	7.0E+01	0.00489	1	U	U	0.00529	1	U	U	0.01260	1				
VOLATILES	Hexachlorobutadiene	3.2E+01	2.0E+00	0.00050	0.00500</																	

Table 3-7
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
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LOCATION_CODE								Applicable	68SB01				68SB01				68SB01					
SAMPLE_NO									68SB01-01 ^e				68SB01-01-QC				68SB01-02					
SAMPLE_DATE									30-Aug-06				30-Aug-06				30-Aug-06					
SAMPLE_PURPOSE									REG				FD				REG					
FK_DEPTH									0 - 0.5 Ft				0 - 0.5 Ft				0.5 - 4 Ft					
		TCEQ						Background Concentrations in Soil		TCEQ												
		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	(95% UPL, mg/kg) ^b		Surface	Subsurface	Risk-Based												
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c			Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02			0.00489	1	U	U	0.00529	1	U	U	0.00169	1	J	J
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02			0.00489	1	U	U	0.00529	1	U	U	0.00380	1	J	J
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03			0.00489	1	U	U	0.00529	1	U	U	0.00097	1	J	J
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02			0.00489	1	U	U	0.00529	1	U	U	0.00061	1	J	J
VOLATILES	Styrene	2.3E+04	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01			0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02			0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01			0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Toluene	2.5E+04	1.0E+02	0.00050	0.00500	NVA	NVA	1.0E+02			0.00056	1	J	J	0.00117	1	J	J	0.00170	1	J	J
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01			0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.00050	0.00500	NVA	NVA	2.9E+00			0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01			0.00489	1	U	U	0.00529	1	U	U	0.00561	1	U	U
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.00100	0.01000	NVA	NVA	3.1E+03			0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.00100	0.01000	NVA	NVA	8.0E+02			0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.00100	0.01000	NVA	NVA	6.6E-02			0.00979	1	U	U	0.01060	1	U	U	0.01120	1	U	U

Notes:

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available at <http://www.tceq.state.tx.us/remediation/ttt.html>.

^b Lower of surface and subsurface soil background concentrations used in these comparisons

^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

^e Sample was chosen for SPLP analysis by SW-846 method 1312.

^f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions to total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

^g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

^h MSC value shown is for m-xylene, the more conservative of m- and p-xylene isomers.

FD: Field duplicate sample

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

REG: Regular sample

H Estimate is high.

L Estimate is low.

U Compound validated as not detected above MDL shown.

95% UPL: Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-7
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
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LOCATION_CODE		TCEQ		Background Concentrations in Soil		Applicable		68SB02				68SB02				68SB03				68SB03					
SAMPLE_NO								68SB02-01		68SB02-02				68SB03-01				68SB03-02							
SAMPLE_DATE								30-Aug-06		30-Aug-06				30-Aug-06				30-Aug-06							
SAMPLE_PURPOSE		Medium-Specific Concentration (MSC)		Method Detection		Method Quantitation		(95% UPL, mg/kg) ^b		REG				REG				REG				REG			
FK_DEPTH								Surface		0 - 0.5 Ft				0.5 - 4 Ft				0 - 0.5 Ft				0.5 - 4 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	
RANGE_ORGANICS	Carbon Range C12-C28 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	55.5	1	U	U	59.4	1	U	U	56.6	1	U	U	57.5	1	U	U	
RANGE_ORGANICS	CARBON RANGE C28-C35 ^f	1.1E+04	4.1E+02	25	50	NVA	NVA	4.1E+02	38.7	1	J	J	37.4	1	J	J	52.2	1	J	J	57.5	1	U	U	
RANGE_ORGANICS	Carbon Range C6-C12 ^g	2.8E+03	4.1E+02	25	50	NVA	NVA	4.1E+02	55.5	1	U	U	59.4	1	U	U	56.6	1	U	U	57.5	1	U	U	
SEMIVOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.08250	0.16500	NVA	NVA	7.0E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.08250	0.16500	NVA	NVA	6.0E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.08250	0.16500	NVA	NVA	7.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.08250	0.16500	NVA	NVA	7.5E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2,4,5-Trichlorophenol	1.0E+05	1.0E+03	0.08250	0.16500	NVA	NVA	1.0E+03	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2,4,6-Trichlorophenol	2.6E+02	2.6E+00	0.08250	0.16500	NVA	NVA	2.6E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2,4-Dichlorophenol	3.1E+03	3.1E+01	0.08250	0.16500	NVA	NVA	3.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2,4-Dimethylphenol	2.0E+04	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2,4-Dinitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	4.5900	5	U	U	0.9390	1	U	U	0.9350	1	U	U	0.9320	1	U	U	
SEMIVOLATILES	2,4-Dinitrotoluene	4.2E+00	4.2E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	2,6-Dinitrotoluene	4.2E+00	4.2E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	2-Chloronaphthalene	7.1E+04	8.2E+02	0.08250	0.16500	NVA	NVA	8.2E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2-Chlorophenol	4.0E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2-Methylnaphthalene	3.6E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2-Methylphenol	5.1E+04	5.1E+02	0.08250	0.16500	NVA	NVA	5.1E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	2-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	4.5900	5	U	U	0.9390	1	U	U	0.9350	1	U	U	0.9320	1	U	U	
SEMIVOLATILES	2-Nitrophenol	2.0E+03	3.1E+00	0.08250	0.16500	NVA	NVA	3.1E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	3,3'-Dichlorobenzidine	6.4E+00	6.4E-02	0.16500	0.33000	NVA	NVA	3.3E-01	0.9322	5	U	U	0.1864	1	U	U	0.1864	1	U	U	0.1864	1	U	U	
SEMIVOLATILES	3-Nitroaniline	3.1E+02	3.1E+00	0.33000	0.82500	NVA	NVA	3.1E+00	4.5900	5	U	U	0.9390	1	U	U	0.9350	1	U	U	0.9320	1	U	U	
SEMIVOLATILES	4,6-Dinitro-2-methylphenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	4.5900	5	U	U	0.9390	1	U	U	0.9350	1	U	U	0.9320	1	U	U	
SEMIVOLATILES	4-Bromophenyl phenyl ether	1.6E+00	1.9E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	4-Chloro-3-methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	4-Chloroaniline	4.1E+03	4.1E+01	0.08250	0.16500	NVA	NVA	4.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	4-Chlorophenyl phenyl ether	1.2E+00	1.9E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	4-Methylphenol	5.1E+03	5.1E+01	0.08250	0.16500	NVA	NVA	5.1E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	4-Nitroaniline	7.5E+02	7.5E+00	0.33000	0.82500	NVA	NVA	7.5E+00	4.5900	5	U	U	0.9390	1	U	U	0.9350	1	U	U	0.9320	1	U	U	
SEMIVOLATILES	4-Nitrophenol	2.0E+03	2.0E+01	0.33000	0.82500	NVA	NVA	2.0E+01	4.5900	5	U	U	0.9390	1	U	U	0.9350	1	U	U	0.9320	1	U	U	
SEMIVOLATILES	Acenaphthene	3.0E+01	6.1E+02	0.08250	0.16500	NVA	NVA	3.0E+01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Acenaphthylene	5.3E+04	6.1E+02	0.08250	0.16500	NVA	NVA	6.1E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Anthracene	2.7E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.9170	5	U	U	0.1880	1	U	U	0.1150	1	J	J	0.1860	1	U	U	
SEMIVOLATILES	Benzo(a)anthracene	3.4E+00	3.9E-02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	Benzo(a)pyrene	3.4E-01	2.0E-02	0.08250	0.16500	1.54E-02	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	Benzo(b)fluoranthene	3.4E+00	3.9E-02	0.08250	0.16500	1.53E-02	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	Benzo(ghi)perylene	2.7E+04	3.1E+02	0.08250	0.16500	1.23E-02	NVA	3.1E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Benzo(k)fluoranthene	3.4E+01	3.9E-01	0.08250	0.16500	1.30E-02	NVA	3.9E-01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Benzoic Acid	4.1E+06	4.1E+04	0.33000	0.82500	NVA	NVA	4.1E+04	4.5900	5	U	UJ	0.9390	1	U	UJ	0.9350	1	U	UJ	0.9320	1	U	UJ	
SEMIVOLATILES	Benzyl Alcohol	3.1E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	bis(2-Chloroethoxy)methane	9.0E-01	2.6E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	bis(2-Chloroethyl)ether	3.2E-01	2.6E-02	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U	
SEMIVOLATILES	bis(2-Chloroisopropyl)ether	1.6E+02	4.1E+00	0.08250	0.16500	NVA	NVA	4.1E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	bis(2-Ethylhexyl)phthalate	6.5E+01	6.0E-01	0.08250	0.16500	NVA	NVA	6.0E-01	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES	Butyl benzyl phthalate	2.0E+05	2.0E+03	0.08250	0.16500	NVA	NVA	2.0E+03	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U	
SEMIVOLATILES																									

Table 3-7
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
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LOCATION_CODE		TCEQ				Background Concentrations in Soil		Applicable TCEQ Risk-Based	68SB02				68SB02				68SB03				68SB03							
SAMPLE_NO									68SB02-01				68SB02-02				68SB03-01				68SB03-02							
SAMPLE_DATE									30-Aug-06				30-Aug-06				30-Aug-06				30-Aug-06							
SAMPLE_PURPOSE													REG				REG				REG				REG			
FK_DEPTH													0 - 0.5 Ft				0.5 - 4 Ft				0 - 0.5 Ft				0.5 - 4 Ft			
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft	MSC ^c	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual	Result ^d	DIL	Qual	ValQual				
SEMIVOLATILES	Naphthalene	2.7E+02	2.0E+02	0.08250	0.16500	NVA	NVA	2.0E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1600	1	J	J				
SEMIVOLATILES	Nitrobenzene	2.7E+02	5.1E+00	0.08250	0.16500	NVA	NVA	5.1E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U				
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.6E-01	4.1E-03	0.08250	0.16500	NVA	NVA	1.7E-01	0.4661	5	U	U	0.0932	1	U	U	0.0932	1	U	U	0.0932	1	U	U				
SEMIVOLATILES	n-Nitrosodiphenylamine	2.3E+02	5.8E+00	0.08250	0.16500	NVA	NVA	5.8E+00	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U				
SEMIVOLATILES	Pentachlorophenol	1.4E+01	1.0E-01	0.33000	0.82500	NVA	NVA	8.3E-01	1.8644	5	U	U	0.3729	1	U	U	0.3729	1	U	U	0.3729	1	U	U				
SEMIVOLATILES	Phenanthrene	2.7E+04	3.1E+02	0.08250	0.16500	NVA	NVA	3.1E+02	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U				
SEMIVOLATILES	Phenol	3.1E+05	3.1E+03	0.08250	0.16500	NVA	NVA	3.1E+03	0.9170	5	U	U	0.1880	1	U	U	0.1870	1	U	U	0.1860	1	U	U				
SEMIVOLATILES	Pyrene	2.7E+04	3.1E+02	0.08250	0.16500	1.94E-02	NVA	3.1E+02	0.9170	5	U	U	0.1880	1	U	U	0.3290	1	U	U	0.1860	1	U	U				
SOLIDS	Percent Solids	NE	NVA	NVA	NVA	NVA	NVA	--	88.5	1			88.5	1			88.5	1			88.5	1						
VOLATILES	1,1,1,2-Tetrachloroethane	1.1E+02	1.1E+01	0.00050	0.00500	NVA	NVA	1.1E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,1,1-Trichloroethane	3.4E+03	2.0E+01	0.00050	0.00500	NVA	NVA	2.0E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,1,2,2-Tetrachloroethane	9.8E+00	1.4E+00	0.00050	0.00500	NVA	NVA	1.4E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,1,2-Trichloroethane	1.8E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,1-Dichloroethane	1.3E+03	1.0E+03	0.00100	0.00500	NVA	NVA	1.0E+03	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,1-Dichloroethene	3.8E+02	7.0E-01	0.00050	0.00500	NVA	NVA	7.0E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,1-Dichloropropene	1.9E+00	2.9E-01	0.00050	0.00500	NVA	NVA	2.9E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,2,3-Trichlorobenzene	2.1E+03	3.1E+01	0.00050	0.00500	NVA	NVA	3.1E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,2,3-Trichloropropane	8.2E-01	4.1E-03	0.00100	0.00500	NVA	NVA	5.0E-03	0.00113	1	U	U	0.00113	1	U	U	0.00113	1	U	U	0.00113	1	U	U				
VOLATILES	1,2,4-Trichlorobenzene	6.1E+03	7.0E+00	0.00050	0.00500	NVA	NVA	7.0E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,2,4-Trimethylbenzene	1.4E+02	5.1E+02	0.00050	0.00500	NVA	NVA	1.4E+02	0.00411	1	U	U	0.02290	1	U	U	0.00466	1	U	U	0.15500	1	U	JH				
VOLATILES	1,2-Dibromo-3-chloropropane	2.0E+00	2.0E-02	0.00200	0.00500	NVA	NVA	2.0E-02	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,2-Dibromoethane	1.0E-01	5.0E-03	0.00050	0.00500	NVA	NVA	5.0E-03	0.00056	1	U	U	0.00056	1	U	U	0.00056	1	U	U	0.00056	1	U	U				
VOLATILES	1,2-Dichlorobenzene	8.0E+02	6.0E+01	0.00050	0.00500	NVA	NVA	6.0E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,2-Dichloroethane	4.7E-01	5.0E-01	0.00050	0.00500	NVA	NVA	4.7E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,2-Dichloropropane	2.5E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,2-Dimethylbenzene (o-Xylene)	4.8E+04	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.00411	1	U	U	0.01300	1	U	U	0.00466	1	U	U	0.00608	1	U	JH				
VOLATILES	1,3,5-Trimethylbenzene	1.2E+02	5.1E+02	0.00050	0.00500	NVA	NVA	1.2E+02	0.00411	1	U	U	0.00918	1	U	U	0.00466	1	U	U	0.02400	1	U	JH				
VOLATILES	1,3-Dichlorobenzene	7.1E+01	3.1E+02	0.00050	0.00500	NVA	NVA	7.1E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,3-Dichloropropane	8.0E+01	2.9E+00	0.00050	0.00500	NVA	NVA	2.9E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	1,4-Dichlorobenzene	2.4E+03	7.5E+00	0.00050	0.00500	NVA	NVA	7.5E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	2,2-Dichloropropane	2.4E+01	4.2E+00	0.00050	0.00500	NVA	NVA	4.2E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	2-Butanone	4.2E+04	6.1E+03	0.00250	0.01000	NVA	NVA	6.1E+03	0.00582	1	J	J	0.01060	1	U	U	0.00689	1	J		0.01650	1	U	JH				
VOLATILES	2-Chloroethyl vinyl ether	3.0E+00	2.6E-01	0.00200	0.01000	NVA	NVA	2.6E-01	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U				
VOLATILES	2-Chlorotoluene	3.5E+03	2.0E+02	0.00050	0.00500	NVA	NVA	2.0E+02	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	2-Hexanone	8.7E+01	6.1E+02	0.00250	0.01000	NVA	NVA	8.7E+01	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U				
VOLATILES	4-Chlorotoluene	4.8E+00	2.0E+02	0.00050	0.00500	NVA	NVA	4.8E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	Acetone	2.5E+03	9.2E+03	0.00500	0.01000	NVA	NVA	2.5E+03	0.01980	1			0.05430	1			0.02390	1			0.06490	1	U	JH				
VOLATILES	Benzene	1.6E+00	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00411	1	U	U	0.02100	1	U	U	0.00466	1	U	U	0.07310	1	U	JH				
VOLATILES	Bromobenzene	1.6E+02	2.0E+02	0.00050	0.00500	NVA	NVA	1.6E+02	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	Bromochloromethane	3.4E+02	4.1E+02	0.00050	0.00500	NVA	NVA	3.4E+02	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	Bromodichloromethane	9.2E+01	4.6E-01	0.00050	0.00500	NVA	NVA	4.6E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	Bromoforn	8.5E+01	3.6E+00	0.00050	0.00500	NVA	NVA	3.6E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	Bromomethane	4.9E+00	1.4E+01	0.00100	0.01000	NVA	NVA	4.9E+00	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U				
VOLATILES	Carbon disulfide	1.5E+03	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	Carbon tetrachloride	6.3E-01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	Chlorobenzene	5.9E+02	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	Chloroethane	1.7E+04	4.1E+03	0.00100	0.01000	NVA	NVA	4.1E+03	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U				
VOLATILES	Chloroform	5.2E-01	1.0E+02	0.00050	0.00500	NVA	NVA	5.2E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	Chloromethane	3.8E+00	2.2E+01	0.00200	0.01000	NVA	NVA	3.8E+00	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U				
VOLATILES	cis-1,2-Dichloroethene	2.5E+03	7.0E+00	0.00050	0.00500	NVA	NVA	7.0E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	cis-1,3-Dichloropropene	3.4E+01	5.3E-01	0.00050	0.00500	NVA	NVA	5.3E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	Dibromochloromethane	6.8E+02	3.4E+00	0.00050	0.00500	NVA	NVA	3.4E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	Dibromomethane	2.7E+02	3.8E+01	0.00050	0.00500	NVA	NVA	3.8E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U				
VOLATILES	Dichlorodifluoromethane	3.1E+03	2.0E+03	0.001.																								

Table 3-7
Comparison of Chemical Concentrations Analyzed in Soil to Medium-Specific Concentrations
LHAAP-68

LOCATION_CODE								Applicable TCEQ Risk-Based MSC ^c	68SB02				68SB02				68SB03				68SB03			
SAMPLE_NO	SAMPLE_DATE	TCEQ				Background Concentrations in Soil			68SB02-01 30-Aug-06				68SB02-02 30-Aug-06				68SB03-01 30-Aug-06				68SB03-02 30-Aug-06			
SAMPLE_PURPOSE		Medium-Specific Concentration (MSC)		Method Detection	Method Quantitation	(95% UPL, mg/kg) ^b			REG 0 - 0.5 Ft				REG 0.5 - 4 Ft				REG 0 - 0.5 Ft				REG 0.5 - 4 Ft			
FK_DEPTH						Surface	Subsurface																	
Test Group	Parameter (Units = mg/kg)	SAI-Ind ^a	GWP-Ind ^a	Limit (MDL)	Limit (MQL)	0 - 0.5 Ft	1.5 - 2.5 Ft		Result ^d				Result ^d				Result ^d				Result ^d			
VOLATILES	n-BUTYLBENZENE	5.7E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02	0.00411	1	U	U	0.00361	1	J	J	0.00466	1	U	U	0.04070	1		JH
VOLATILES	n-PROPYLBENZENE	5.9E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02	0.00411	1	U	U	0.01560	1			0.00466	1	U	U	0.10300	1		JH
VOLATILES	p-ISOPROPYLTOLUENE	6.7E+03	1.0E+03	0.00050	0.00500	NVA	NVA	1.0E+03	0.00411	1	U	U	0.00318	1	J	J	0.00466	1	U	U	0.13200	1		JH
VOLATILES	sec-BUTYLBENZENE	5.4E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02	0.00411	1	U	U	0.00119	1	J	J	0.00466	1	U	U	0.01570	1		JH
VOLATILES	Styrene	2.3E+04	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523		U	U
VOLATILES	tert-BUTYLBENZENE	4.5E+03	4.1E+02	0.00050	0.00500	NVA	NVA	4.1E+02	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00364	1	J	JH
VOLATILES	Tetrachloroethene	1.7E+01	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1		U
VOLATILES	Toluene	2.5E+04	1.0E+02	0.00050	0.00500	NVA	NVA	1.0E+02	0.00076	1	J	J	0.00668	1			0.00061	1	J	J	0.00359	1	J	JH
VOLATILES	trans-1,2-Dichloroethene	2.4E+03	1.0E+01	0.00050	0.00500	NVA	NVA	1.0E+01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	trans-1,3-Dichloropropene	4.0E+01	2.9E+00	0.00050	0.00500	NVA	NVA	2.9E+00	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	Trichloroethene	6.6E+00	5.0E-01	0.00050	0.00500	NVA	NVA	5.0E-01	0.00411	1	U	U	0.00529	1	U	U	0.00466	1	U	U	0.00523	1	U	U
VOLATILES	Trichlorofluoromethane	3.8E+03	3.1E+03	0.00100	0.01000	NVA	NVA	3.1E+03	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U
VOLATILES	Vinyl acetate	8.0E+02	1.0E+04	0.00100	0.01000	NVA	NVA	8.0E+02	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U
VOLATILES	Vinyl chloride	6.6E-02	2.0E-01	0.00100	0.01000	NVA	NVA	6.6E-02	0.00823	1	U	U	0.01060	1	U	U	0.00932	1	U	U	0.01050	1	U	U

Notes:

^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available at <http://www.tceq.state.tx.us/remediation/ttt.html>.

^b Lower of surface and subsurface soil background concentrations used in these comparisons

^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

^e Sample was chosen for SPLP analysis by SW-846 method 1312.

^f Value shown is the lowest MSC for >C6-8, >8-10, >10-12(aromatic) boiling fractions to total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

^g Value shown is the MSC for >8C-C10 (aromatic) boiling fraction of total petroleum hydrocarbons, given in TCEQ March 2006 guidance.

^h MSC value shown is for m-xylene, the more conservative of m- and p-xylene isomers.

FD: Field duplicate sample

J: Estimated value. Chemical was detected above the method detection limit but below the MQL.

REG: Regular sample

H Estimate is high.

L Estimate is low.

U Compound validated as not detected above MDL shown.

95% UPL: Upper Prediction Limit of background concentration calculated as described in TCEQ correspondence.

Concentration exceeds Applicable MSC.

Table 3-8
Upper Prediction Limits
for Soil Background Data

Metal	Surface Soil (0 - 0.5 Feet bgs)		Subsurface Soil (1.5 - 2.5 Feet bgs)	
	Distribution	95% UPL	Distribution	95% UPL
	Type	Concentration (mg/kg)	Type	Concentration (mg/kg)
Aluminum	Nonparametric	16300	Lognormal	20767
Antimony	Nonparametric	0.94	Nonparametric	1.60
Arsenic	Lognormal	4.81	Normal	5.54
Barium	Lognormal	151.83	Lognormal	85.45
Cadmium	Nonparametric	1.40	Nonparametric	0.40
Chromium	Lognormal	26.56	Lognormal	30.06
Cobalt	Normal	7.23	Lognormal	5.61
Copper	Lognormal	5.55	Lognormal	9.25
Lead	Lognormal	22.59	Lognormal	11.41
Manganese	Lognormal	1249.70	Lognormal	201.11
Mercury	Lognormal	0.08	Nonparametric	0.36
Selenium	Lognormal	3.48	Normal	5.56
Silver	Nonparametric	0.31	Nonparametric	0.37
Strontium	Lognormal	19.83	Lognormal	29.05
Zinc	Nonparametric	61.60	Lognormal	20.20

Notes:

95% UPL The concentration that will be above the next single measurement with 95 percent confidence.

bgs below ground surface

mg/kg milligrams per kilogram

Table 3-9
Summary Selected Locations for Collection of Samples for Synthetic Precipitation Leaching Procedure

Site Number	Location Code	Number	Depth	Sample Analytes	Comment
LHAAP-06		No samples chosen for SPLP analysis, no SQLs or SDLs>Applicable MSC			
LHAAP-07	07SB04	07SB04(0-1)	0 - 1 Ft	SVOCs	Sample chosen for SPLP analysis: having highest dilution factor for SVOCs with SDLs above MSC.
LHAAP-07	07SB06	07SB06(0-1)	0 - 1 Ft	Silver	Sample chosen for SPLP analysis: having single silver detection above MSC.
LHAAP-51	51SB02	51SB02(0-1)	0 - 1 Ft	Silver	Sample chosen for SPLP analysis: having maximum silver detection above MSC.
LHAAP-55	55SB03	55-SB03-1-2	1 -2 Ft	Beryllium, Lead	Sample chosen for SPLP analysis: having largest lead concentration > MSC and beryllium concentration comparable to 55-SB03-3_0.
LHAAP-64	64SB03	64SB03-01	0.5 - 1 Ft	Aroclor 1254	Sample selected for SPLP analysis: having a PCB concentration>MSCs.
LHAAP-66	None	1004SS007	0 - 0.5 Ft	Aroclor 1254	Sample selected for SPLP analysis: having a PCB concentration>MSCs.
LHAAP-68	68SB01	68SB01-01	0 - 1 ft	SVOCs	Sample chosen for SPLP analysis highest dilution factor for SVOCs with SDLs above MSC.

Table 3-10
Concentrations of Chemicals in Leachate from Synthetic Precipitation Leaching Procedure Analysis of Selected Samples

LOCATION_CODE SAMPLE_NO SAMPLE_DATE		Method Detection	Method Quantitation	TCEQ Risk-Based MSC	Applicable TCEQ Risk-Based MSC	06SB01-01 06SB01-01-SPLP 4-May-07	07SB04-01 07SB04-01-SPLP 4-May-07	07SB06-01 07SB06-01-SPLP 4-May-07	1004SS007 1004SS007-SPLP 4-May-07	51SB02-01 51SB02-01-SPLP 4-May-07	55SB03-01 55SB03-01-SPLP 4-May-07	64SB03-01 64SB03-01-SPLP 4-May-07	68SB01-01 68SB01-01-SPLP 4-May-07
Test Group	Parameter	Units	Limit (MDL)	Limit (MQL)	GW-Ind ^a	Industrial ^b	Result ^c DIL Qual ValQual	Result ^c DIL Qual ValQual	Result ^c DIL Qual ValQual	Result ^c DIL Qual ValQual	Result ^c DIL Qual ValQual	Result ^c DIL Qual ValQual	Result ^c DIL Qual ValQual
TCLP-METALS	Antimony	mg/L	0.00025	0.0010	6.0E-03	6.0E-03	NA	NA	NA	NA	NA	NA	NA
TCLP-METALS	Arsenic	mg/L	0.00025	0.0010	1.0E-02	1.0E-02	NA	NA	NA	NA	NA	NA	NA
TCLP-METALS	Beryllium	mg/L	0.00050	0.0020	4.0E-03	4.0E-03	NA	NA	NA	NA	0.002 1 U U	NA	NA
TCLP-METALS	Cadmium	mg/L	0.000125	0.0005	5.0E-03	5.0E-03	NA	NA	NA	NA	NA	NA	NA
TCLP-METALS	Chromium	mg/L	0.00050	0.0020	1.0E-01	1.0E-01	NA	NA	NA	NA	NA	NA	NA
TCLP-METALS	Copper	mg/L	0.00050	0.0020	1.3E+00	1.3E+00	NA	NA	NA	NA	NA	NA	NA
TCLP-METALS	Lead	mg/L	0.00025	0.0010	1.5E-02	1.5E-02	NA	NA	NA	NA	0.0124 1	NA	NA
TCLP-METALS	Mercury	mg/L	0.00010	0.0002	2.0E-03	2.0E-03	NA	NA	NA	NA	NA	NA	NA
TCLP-METALS	Silver	mg/L	0.00025	0.0010	5.1E-01	5.1E-01	NA	0.001 1 U U	NA	0.0015 1	NA	NA	NA
TCLP-PCBS	Aroclor 1016	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA	NA	0.25 1 U U	NA	NA	0.25 1 U U	NA
TCLP-PCBS	Aroclor 1221	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA	NA	0.25 1 U U	NA	NA	0.25 1 U U	NA
TCLP-PCBS	Aroclor 1232	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA	NA	0.25 1 U U	NA	NA	0.25 1 U U	NA
TCLP-PCBS	Aroclor 1242	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA	NA	0.25 1 U U	NA	NA	0.25 1 U U	NA
TCLP-PCBS	Aroclor 1248	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA	NA	0.25 1 U U	NA	NA	0.25 1 U U	NA
TCLP-PCBS	Aroclor 1254	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA	NA	0.25 1 U U	NA	NA	0.25 1 U U	NA
TCLP-PCBS	Aroclor 1260	ug/L	0.25	0.5	5.0E-01	5.0E-01	NA	NA	0.25 1 U U	NA	NA	0.25 1 U U	NA
TCLP-SVOCs	2,4,6-Trichlorophenol	ug/L	2.5	5.0	2.6E+01	2.6E+01	5 1 U U	5 1 U U	NA	NA	NA	5 1 U U	5 1 U U
TCLP-SVOCs	2,4-Dinitrotoluene	ug/L	2.5	5.0	4.2E-01	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	2,6-Dinitrotoluene	ug/L	2.5	5.0	4.2E-01	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	2-Nitroaniline	ug/L	12.5	25.0	3.1E+01	3.1E+01	25 1 U U	25 1 U U	NA	NA	NA	25 1 U U	25 1 U U
TCLP-SVOCs	2-Nitrophenol	ug/L	2.5	5.0	2.0E+02	2.0E+02	5 1 U U	5 1 U U	NA	NA	NA	5 1 U U	5 1 U U
TCLP-SVOCs	3,3'-Dichlorobenzidine	ug/L	2.5	10.0	6.4E-01	1.0E+01	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	3-Nitroaniline	ug/L	12.5	25.0	3.1E+01	3.1E+01	25 1 U U	25 1 U U	NA	NA	NA	25 1 U U	25 1 U U
TCLP-SVOCs	4-Bromophenyl phenyl ether	ug/L	2.5	5.0	1.9E-01	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	4-Chlorophenyl phenyl ether	ug/L	2.5	5.0	1.9E-01	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	4-Nitroaniline	ug/L	12.5	25.0	7.5E+01	7.5E+01	25 1 U U	25 1 U U	NA	NA	NA	25 1 U U	25 1 U U
TCLP-SVOCs	Atrazine	ug/L	10.0	20.0	3.0E+00	2.0E+01	10 1 U U	10 1 U U	NA	NA	NA	10 1 U U	10 1 U U
TCLP-SVOCs	Benzo(a)anthracene	ug/L	2.5	5.0	3.9E-01	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	Benzo(a)pyrene	ug/L	2.5	5.0	2.0E-01	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	Benzo(b)fluoranthene	ug/L	2.5	5.0	3.9E-01	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	Benzo(k)fluoranthene	ug/L	2.5	5.0	3.9E+00	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	bis(2-Chloroethoxy)methane	ug/L	2.5	5.0	2.6E-01	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	bis(2-Chloroethoxy)ether	ug/L	2.5	5.0	2.6E-01	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	3.0	10.0	6.0E+00	1.0E+01	3.0 1 U U	3.0 1 U U	NA	NA	NA	3.0 1 U U	3.0 1 U U
TCLP-SVOCs	Dibenzo(a,h)anthracene	ug/L	2.5	5.0	2.0E-01	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	Hexachlorobenzene	ug/L	2.5	5.0	1.0E+00	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	Hexachlorobutadiene	ug/L	2.5	5.0	2.0E+01	2.0E+01	5 1 U U	5 1 U U	NA	NA	NA	5 1 U U	5 1 U U
TCLP-SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	2.5	5.0	3.9E-01	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	n-Nitroso-di-n-propylamine	ug/L	2.5	5.0	4.1E-02	5.0E+00	2.5 1 U U	2.5 1 U U	NA	NA	NA	2.5 1 U U	2.5 1 U U
TCLP-SVOCs	Pentachlorophenol	ug/L	12.5	25.0	1.0E+00	2.5E+01	12.5 1 U U	12.5 1 U U	NA	NA	NA	12.5 1 U U	12.5 1 U U

Notes:
^a Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website
<http://www.tceq.state.tx.us/remediation/mr.html>, corrected to correspond to units shown.

^b Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§33i

^c Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factor

DIL: Dilution factor

Qual: Data qualifier

NA: Sample not analyzed for this chemical

SPLP: Synthetic Precipitation Leaching Procedure, SW846 Method 1312.

U: Undetected

Table 3-11
Analysis of Synthetic Precipitation Leaching Procedure Samples for Detectable Total Concentration in the Soil Sample

LOCATION_CODE SAMPLE_NO SAMPLE_DATE		Method Detection	Method Quantitation	TCEQ Risk-Based MSC	GWP-Ind ^a	Applicable TCEQ Risk-Based MSC	07SB04-01 07SB04-01-Total 4-May-07	07SB06-01 07SB06-01-Total 4-May-07	51SB02-01 51SB02-01-Total 4-May-07	55SB03-01 55SB03-01-Total 4-May-07	64SB03-01 64SB03-01-Total 4-May-07	1004SS007 1004SS007-Total 4-May-07	68SB01-01 68SB01-01-Total 4-May-07
Test Group	Parameter	Units	Limit (MDL) ^{a,b}	Limit (MQL) ^{a,b}	GWP-Ind ^a	Industrial ^{a,c}	Result ^d DIL Qual ValQual	Result ^d DIL Qual ValQual	Result ^d DIL Qual ValQual	Result ^d DIL Qual ValQual	Result ^d DIL Qual ValQual	Result ^d DIL Qual ValQual	Result ^d DIL Qual ValQual
METALS	Antimony	mg/kg	NA	NA	NA	--	NA	NA	NA	NA	NA	NA	NA
METALS	Arsenic	mg/kg	NA	NA	NA	--	NA	NA	NA	NA	NA	NA	NA
METALS	Beryllium	mg/kg	0.012	0.025	4.0E-01	4.0E-01	NA	NA	NA	0.851	1	NA	NA
METALS	Cadmium	mg/kg	NA	NA	NA	--	NA	NA	NA	NA	NA	NA	NA
METALS	Chromium	mg/kg	NA	NA	NA	--	NA	NA	NA	NA	NA	NA	NA
METALS	Copper	mg/kg	NA	NA	NA	--	NA	NA	NA	NA	NA	NA	NA
METALS	Lead	mg/kg	0.5	1	1.5E+00	1.5E+00	NA	NA	NA	19.4	1	NA	NA
METALS	Silver	mg/kg	0.25	0.5	5.1E+01	5.1E+01	NA	1.56 1 U U	5.34	NA	NA	NA	5.34
PCBS	Aroclor 1016	ug/kg	8.25	16.5	5.0E+01	5.0E+01	NA	NA	NA	9.09	1 U U	9.8	1 U U
PCBS	Aroclor 1221	ug/kg	8.25	16.5	5.0E+01	5.0E+01	NA	NA	NA	9.09	1 U U	9.8	1 U U
PCBS	Aroclor 1232	ug/kg	8.25	16.5	5.0E+01	5.0E+01	NA	NA	NA	9.09	1 U U	9.8	1 U U
PCBS	Aroclor 1242	ug/kg	8.25	16.5	5.0E+01	5.0E+01	NA	NA	NA	9.09	1 U U	9.8	1 U U
PCBS	Aroclor 1248	ug/kg	8.25	16.5	5.0E+01	5.0E+01	NA	NA	NA	9.09	1 U U	9.8	1 U U
PCBS	Aroclor 1254	ug/kg	8.25	16.5	5.0E+01	5.0E+01	NA	NA	NA	9.09	1 U U	9.8	1 U U
PCBS	Aroclor 1260	ug/kg	8.25	16.5	5.0E+01	5.0E+01	NA	NA	NA	9.09	1 U U	9.8	1 U U
SVOCS	2,4,6-Trichlorophenol	ug/kg	82.5	165	2.6E+03	2.6E+03	95.2 1 U U	NA	NA	184	2 U U	NA	97.0 1 U U
SVOCS	2,4-Dinitrotoluene	ug/kg	82.5	165	4.2E+01	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	2,6-Dinitrotoluene	ug/kg	82.5	165	4.2E+01	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	2-Nitroaniline	ug/kg	330	825	3.1E+03	3.1E+03	381 1 U U	NA	NA	734	2 U U	NA	388 1 U U
SVOCS	2-Nitrophenol	ug/kg	82.5	165	3.1E+03	3.1E+03	95.2 1 U U	NA	NA	184.0	2 U U	NA	97.0 1 U U
SVOCS	3,3'-Dichlorobenzidine	ug/kg	165	330	6.4E+01	3.3E+02	195.3 1 U U	NA	NA	374.1	2 U U	NA	196.7 1 U U
SVOCS	3-Nitroaniline	ug/kg	330	825	3.1E+03	3.1E+03	381 1 U U	NA	NA	734	2 U U	NA	388 1 U U
SVOCS	4-Bromophenyl phenyl ether	ug/kg	82.5	165	1.9E+01	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	4-Chlorophenyl phenyl ether	ug/kg	82.5	165	1.9E+01	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	4-Nitroaniline	ug/kg	330	825	7.5E+03	7.5E+03	381 1 U U	NA	NA	734	2 U U	NA	388 1 U U
SVOCS	Atrazine	ug/kg	NA	NA	NA	--	NA 1 U U	NA	NA	NA	2 U U	NA	NA 1 U U
SVOCS	Benzo(a)anthracene	ug/kg	82.5	165	3.9E+01	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	Benzo(a)pyrene	ug/kg	82.5	165	2.0E+01	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	Benzo(b)fluoranthene	ug/kg	82.5	165	3.9E+01	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	Benzo(k)fluoranthene	ug/kg	82.5	165	3.9E+02	3.9E+02	95.2 1 U U	NA	NA	184.0	2 U U	NA	97.0 1 U U
SVOCS	bis(2-Chloroethoxy)methane	ug/kg	82.5	165	2.6E+01	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	bis(2-Chloroethyl)ether	ug/kg	82.5	165	2.6E+01	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	bis(2-Ethylhexyl)phthalate	ug/kg	82.5	165	6.0E+02	6.0E+02	95.2 1 U U	NA	NA	184.0	2 U U	NA	97.0 1 U U
SVOCS	Dibenzo(a,h)anthracene	ug/kg	82.5	165	2.0E+01	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	Hexachlorobenzene	ug/kg	82.5	165	1.0E+02	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	Hexachlorobutadiene	ug/kg	82.5	165	2.0E+03	2.0E+03	95.2 1 U U	NA	NA	184.0	2 U U	NA	97.0 1 U U
SVOCS	Indeno(1,2,3-cd)pyrene	ug/kg	82.5	165	3.9E+01	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	n-Nitroso-di-n-propylamine	ug/kg	82.5	165	4.1E+00	1.7E+02	97.6 1 U U	NA	NA	187.1	2 U U	NA	98.3 1 U U
SVOCS	Pentachlorophenol	ug/kg	330	825	1.0E+02	8.3E+02	391 1 U U	NA	NA	748	2 U U	NA	393 1 U U
SOLIDS	Percent Solids	NA	NA	NA	NA	--	84.5	82.0	86.5	81.9	88.2	81.9	83.9

Notes:

^a Concentrations of metals are reported in mg/kg units; concentrations of organic compounds are reported in ug/kg units. Value provided by the Texas Commission on Environmental Quality (TCEQ) as updated through March 2006 available on the TCEQ website at <http://www.tceq.state.tx.us/remediation/rrr.html>, corrected to correspond to units shown.

^b Analysis of soil for total chemical concentrations by SW-846 Methods: lead by 6010B, other metals by 6020, PCBs by 8082, SVOCs by 8270C

^c Shading indicates Applicable MSC equal to MQL for the chemical as provided in 30TAC§335.

^d Where Applicable MSC is equal to MQL, value equals the SDL, which is the MDL adjusted for sample specific analytical factors.

Shading indicates the SDL values that exceed the Applicable MSC.

NA: Sample not analyzed for this chemical

PCBS: Polychlorinated Biphenyls

SVOCS: Semivolatile Organic Compounds

4.0 Results and Conclusions

Because concentrations of chemicals in all samples from LHAAP-06 were below applicable MSC values, LHAAP-06 meets the requirements for closure according to Risk Reduction Standard 2, and no further action is required.

All chemical concentrations in leachates from all soil samples from LHAAP-07, LHAAP-51, LHAAP-55, LHAAP-64, LHAAP-66, and LHAAP-68 with concentrations above applicable MSC values were undetected or below the applicable MSC for groundwater (GW-Ind) and, as such, meet the requirements of 30 TAC 335.559(g)(2)(B) for closure.

Certain SVOCs, including PAHs, had SDL concentrations above MSC values as a result of sample dilution. The PAH compounds are used in asphalt pavement commonly found at LHAAP, and were not detected in undiluted samples from the same boring locations.

The remaining SVOCs are not related to LHAAP processes and represent a variety of industrial chemicals used in the manufacture of dyes, plastics, textiles, flame retardants, pharmaceuticals, food packaging materials, wood preservatives, or research. Because these SVOCs are identified only as a result of the sample dilution, and are not detected in undiluted samples from the same locations, and are not related to LHAAP manufacturing processes, they are considered to be of no further concern at LHAAP.

In conclusion, soil concentrations of chemicals at LHAAP-06, LHAAP-07, LHAAP-51, LHAAP-55, LHAAP-64, LHAAP-66, and LHAAP-68 meet the requirements for no further action under the RRR.

5.0 References

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Attachment 1

***Analytical Laboratory Reports and Field Logs
(on Compact Disk)***

***Photocopies of boring logs and field forms
are best available.***

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION LONGHORN AAP		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 2" Stainless Steel			
2. LOCATION (Coordinates or Station) Site 06				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NA			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL NA			
4. HOLE NO. (As shown on drawing (HLS and file number) 06 SB01				13. OVERBURDEN SAMPLES		DISTURBED NA UNDISTURBED NA	
5. NAME OF DRILLER S. Oller				14. TOTAL NUMBER CORE BOXES NA		15. ELEVATION GROUND WATER NA	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED NA DEG. FROM VERT.				16. DATE HOLE STARTED 8/29/06 COMPLETED 8/29/06			
7. THICKNESS OF OVERBURDEN NA				17. ELEVATION TOP OF HOLE NA			
8. DEPTH DRILLED INTO ROCK NA				18. TOTAL CORE RECOVERY FOR BORING NA %			
9. TOTAL DEPTH OF HOLE 4 ft				INSPECTOR			

ELEVATION PD	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
0.0	0.5		Top soil	100%	X	Hand Augered 0-4' 06 SB01-01 15:20
0.0	1		SC Sand, clayey, med. grained, moderately sorted, dry, brown	100%		
0.0	2			100%		
0.0	3			100%		
0.0	3		C1 Clay, sandy, dense, no plasticity, dry, brown	100%		06 SB01-02 15:30
0.0	4			100%	X	
0.0			End of Boring	100%		
0.0						

00061177

06SB02
HOLE NO. 06SB02

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION LONGHORN AAP		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 2" Stainless Steel			
2. LOCATION (Coordinates or Station) Site 06				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NA			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL NA			
4. HOLE NO. (As shown on drawing title and file number) 06SB02				13. OVERBURDEN SAMPLES DISTURBED: NA UNDISTURBED: NA			
5. NAME OF DRILLER S. Oiler				14. TOTAL NUMBER CORE BOXES NA			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED NA DEG. FROM VERT.				15. ELEVATION GROUND WATER NA			
7. THICKNESS OF OVERBURDEN NA				16. DATE HOLE STARTED 8/29/06 COMPLETED 8/29/06			
8. DEPTH DRILLED INTO ROCK NA				17. ELEVATION TOP OF HOLE NA			
9. TOTAL DEPTH OF HOLE 4 ft				18. TOTAL CORE RECOVERY FOR BORING NA %			
INSPECTOR NA							
ELEVATION PID	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	0.5		Top soil	100%	X	Hand Aged 8:41 06SB02-01 15:40	
0.0	1	SC	Sand, clayey, medium grained, moderately sorted, dry, brown	100%			
0.0	2			100%			
0.0	3	CL	Clay, sandy, dense, no plasticity, dry, brown	100%			
0.0	4			100%	X	06SB02-02 15:45	
			End of Boring				

00061178

06SB03
HOLE NO. 06SB03

DRILLING LOG		DIVISION		INSTALLATION		SHEET	
1. PROJECT		Longhorn PBC		LONGHORN AAP		1 OF 1 SHEETS	
2. LOCATION (Coordinates or Station)		Site 06		10. SIZE AND TYPE OF BIT		2" Stainless Steel	
3. DRILLING AGENCY		Shaw		11. DATUM FOR ELEVATION SHOWN (TBM or MSL)		NA	
4. HOLE NO. (As shown on drilling logs and file number)		06SB03		12. MANUFACTURER'S DESIGNATION OF DRILL		NA	
5. NAME OF DRILLER		S. Oiler		13. OVERBURDEN SAMPLES		DISTURBED NA UNDISTURBED NA	
6. DIRECTION OF HOLE		NA		14. TOTAL NUMBER CORE BOXES		NA	
☒ VERTICAL ☐ INCLINED		DEG. FROM VERT.		15. ELEVATION GROUND WATER		NA	
7. THICKNESS OF OVERBURDEN		NA		16. DATE HOLE		STARTED 8/29/06 COMPLETED 8/29/06	
8. DEPTH DRILLED INTO ROCK		NA		17. ELEVATION TOP OF HOLE		NA	
9. TOTAL DEPTH OF HOLE		4 ft		18. TOTAL CORE RECOVERY FOR BORING		NA	
						INSPECTOR	

ELEVATION PD	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
0.0	0		Top soil	100%		Hand Augered 0-4' 06SB03-01 15:50
0.0	0.5			100%		
0.0	1	SC	Sand, clayey, med. grained, moderately sorted, dry, brown	100%		
0.0	1.5			100%		
0.0	2			100%		
0.0	2.5			100%		
0.0	3	CI	Clay, sandy, dense, no plasticity, dry, brown	100%		
0.0	3.5			100%		
0.0	4		End of Boring			06SB03-02 16:00

00061179

HOLE NO. 075B01

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn Army Munition		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 4 1/2" 3"			
2. LOCATION (Coordinates or Station) Site 07				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL Stainless Steel Hand Auger			
4. HOLE NO. (As shown on drawing title and file number) 075B01				13. OVERBURDEN SAMPLES		DISTURBED UNDISTURBED	
5. NAME OF DRILLER Allen Willmore / Susan Oller				14. TOTAL NUMBER CORE BOXES NA		15. ELEVATION GROUND WATER NA	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED 0° DEG. FROM VERT.				16. DATE HOLE STARTED 6/29/06		COMPLETED 6/29/06	
7. THICKNESS OF OVERBURDEN NA				17. ELEVATION TOP OF HOLE			
8. DEPTH DRILLED INTO ROCK NA				18. TOTAL CORE RECOVERY FOR BORING 100%			
9. TOTAL DEPTH OF HOLE 4'				INSPECTOR			
ELEVATION PID @	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	1	CL	TOPSOIL, GRASS, ROOTING, CLAYEY CLAY, SANDY, SOFT TO MEDIUM STIFF, BROWN. NO ODOR, DRY.	100%	100%	0925 - SAMPLED 0' to 1' BGS. Took MS/MSD.	
	2						
	3						
	4					0945 - SAMPLED 3' to 4' BGS.	
			END OF BORIN @ 4' BGS				

00061180

HOLE NO. 07SB02

DRILLING LOG		DIVISION		INSTALLATION		SHEET	
		Longhorn PRC		Longhorn Army Monn.		OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 1 1/2" 3"			
2. LOCATION (Coordinate or Station) Site 07				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL Stainless Steel Hand Auger			
4. HOLE NO. (As shown on drawing title and file number) 07SB02				13. OVERBURDEN SAMPLES		DISTURBED UNDISTURBED	
5. NAME OF DRILLER Allen Willmore / Susan Oller				14. TOTAL NUMBER CORE BOXES NA			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.				15. ELEVATION GROUND WATER NA		16. DATE HOLE STARTED 6/24/06 COMPLETED 6/29/06	
7. THICKNESS OF OVERBURDEN NA				17. ELEVATION TOP OF HOLE			
8. DEPTH DRILLED INTO ROCK NA				18. TOTAL CORE RECOVERY FOR BORING 100%			
9. TOTAL DEPTH OF HOLE 4'				INSPECTOR			
ELEVATION PID @	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	1	CL	TOPSOIL, GRASS, ROOTING, CLAYEY CLAY, SANDY, SOFT TO MEDIUM STIFF, BROWN, NO ODOR, DRY.	100%		1020 - Sampled 0' - 1' BGS Took Field Duplicate.	
	2			100%			
	3					1050 - SAMPLED 3' - 4' BGS.	
	4						
			END OF BORING @ 4' BGS				

00061181

HOLE NO. 07SB03

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn Army Munition		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 1 1/2" x 3"			
2. LOCATION (Coordinates or Station) Site 07				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL Stainless Steel Hand Auger			
4. HOLE NO. (As shown on drawing title and its number) 07SB03				13. OVERBURDEN SAMPLES		DISTURBED UNDISTURBED	
5. NAME OF DRILLER Allen Willmore / Susan Oller				14. TOTAL NUMBER CORE BOXES NA			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.				15. ELEVATION GROUND WATER NA		16. DATE HOLE STARTED 6/28/06 COMPLETED 6/28/06	
7. THICKNESS OF OVERBURDEN NA				17. ELEVATION TOP OF HOLE			
8. DEPTH DRILLED INTO ROCK NA				18. TOTAL CORE RECOVERY FOR BORING 100% *			
9. TOTAL DEPTH OF HOLE 4'				INSPECTOR			
ELEVATION PID @	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	1		TOPSOIL, GRASS, ROOTING, CLAYEY	100%		1100 - SAMPLED 0'-1' BGS	
	2	CL	CLAY, SANDY, SOFT TO MEDIUM STIFF, BROWN, NO ODOR, DRY.	100%			
	3						
	4		END OF BORING @ 4' BGS			1350 - SAMPLED 3'-4' BGS.	

00061182

HOLE NO. 075B04

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn Army Munition		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 1 1/2" 3"			
2. LOCATION (Coordinates or Station) Site 07				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL Stainless Steel Hand Auger			
4. HOLE NO. (As shown on drawing title and file number) 075B04				13. OVERBURDEN SAMPLES		DISTURBED UNDISTURBED	
5. NAME OF DRILLER Allen Willmore / Susan Oller				14. TOTAL NUMBER CORE BOXES NA			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED 0° DEG. FROM VERT.				15. ELEVATION GROUND WATER NA		16. DATE HOLE STARTED 6/28/06 COMPLETED 6/28/06	
7. THICKNESS OF OVERBURDEN NA				17. ELEVATION TOP OF HOLE			
8. DEPTH DRILLED INTO ROCK NA				18. TOTAL CORE RECOVERY FOR BORING 100% X			
9. TOTAL DEPTH OF HOLE 4'				INSPECTOR			
ELEVATION PID 0.0	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
0.0	1	CL	TOPSOIL, GRASS, ROOTING, CLAYEY CLAY, SANDY, SOFT TO MEDIUM STIFF, BROWN, NO ODOR, DRY.	100%	100%	1415 - SAMPLED 0'-1' BGS.	
	2						
	3						
	4					1440 - SAMPLED 3'-4' BGS.	
			END OF BORING @ 4' BGS				

00061183

HOLE NO. 072B05

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn Army Munition		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 4 1/2" 3"			
2. LOCATION (Coordinates or Station) Site 07				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL Stainless Steel Hand Auger			
4. HOLE NO. (As shown on drawing title and file number) 075B05				13. OVERBURDEN SAMPLES		DISTURBED UNDISTURBED	
5. NAME OF DRILLER Allen Willmore / Susan Oller				14. TOTAL NUMBER CORE BOXES NA			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED 0° DEG. FROM VERT.				15. ELEVATION GROUND WATER NA			
7. THICKNESS OF OVERBURDEN NA				16. DATE HOLE STARTED 6/29/06 COMPLETED 6/29/06			
8. DEPTH DRILLED INTO ROCK NA				17. ELEVATION TOP OF HOLE			
9. TOTAL DEPTH OF HOLE 4'				18. TOTAL CORE RECOVERY FOR BORING 100% X			
ELEVATION PID @	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	1	CL	TOPSOIL, GRASS, ROOTING, CLAYEY CLAY, SANDY, SOFT TO MEDIUM STIFF, BROWN, NO ODOR, DRY.	100%	X	1200 - SAMPLED 0'-1' BGS	
	2					1220 - SAMPLED 3'-4' BGS	
	3						
	4					END OF BORING @ 4' BGS	

00061184

HOLE NO. 075B06

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn Army Ammunition		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 1 1/2" 3"			
2. LOCATION (Coordinates or Station) Site 07				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL Stainless Steel Hand Auger			
4. HOLE NO. (As shown on drawing title and file number) 075B06				13. OVERBURDEN SAMPLES		DISTURBED UNDISTURBED	
5. NAME OF DRILLER Allen Willmore / Susan Oller				14. TOTAL NUMBER CORE BOXES		NA	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED 0° DEG. FROM VERT.				15. ELEVATION GROUND WATER		NA	
7. THICKNESS OF OVERBURDEN NA				16. DATE HOLE		STARTED 6/29/06 COMPLETED 6/29/06	
8. DEPTH DRILLED INTO ROCK NA				17. ELEVATION TOP OF HOLE			
9. TOTAL DEPTH OF HOLE 4'				18. TOTAL CORE RECOVERY FOR BORING		100%	
INSPECTOR							
ELEVATION PID @	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	1		Topsoil, Grass, Rooting, Clayey	100%		1130 - Sampled 0'-1' BGS.	
	2	CL	CLAY, SANDY, SOFT TO MEDIUM STIFF, BROWN, NO ODOR, DRY.	100%			
	3						
	4					1140 - Sampled 3'-4' BGS.	
			END OF BORING @ 4' BGS				

00061185

HOLE NO. 51SBo

DRILLING LOG		DIVISION		INSTALLATION		SHEET	
1. PROJECT		Longhorn PBC		Longhorn Army Munition		OF 1 SHEETS	
2. LOCATION (Coordinates or Station)		117591		10. SIZE AND TYPE OF BIT		4 1/2" 3"	
3. DRILLING AGENCY		Show		11. DATUM FOR ELEVATION SHOWN (BM or MSL)		MSL	
4. HOLE NO. (As shown on drawing 1184 and file number)		51SBo1		12. MANUFACTURER'S DESIGNATION OF DRILL		Stainless Steel Hand Auger	
5. NAME OF DRILLER		Allen Willmore / Susan Oller		13. OVERBURDEN SAMPLES		DISTURBED UNDISTURBED	
6. DIRECTION OF HOLE		0° DEG. FROM VERT.		14. TOTAL NUMBER CORE BOXES		NA	
7. THICKNESS OF OVERBURDEN		NA		15. ELEVATION GROUND WATER		NA	
8. DEPTH DRILLED INTO ROCK		NA		16. DATE HOLE		STARTED 8/30/06 COMPLETED 8/30/06	
9. TOTAL DEPTH OF HOLE		4'		17. ELEVATION TOP OF HOLE			
18. TOTAL CORE RECOVERY FOR BORING		100%		19. INSPECTOR			
ELEVATION PD	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	1	SC	Topsoil, GRASS, ROOTING	100%		1445 - Sampled 0'-1' BGS	
	2		SAND, VERY CLAYEY, DENSE, ~~WET~~ MOD.				
	3		SORTED, GRAY TO BROWN; DRY, NO				
	4		ODOR.			1450 1455 1460 Sampled 3'-4' BGS	
			END OF BORING @ 4' BGS				

00061186

HOLE NO. 515B02

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn Army Munition		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 4 1/2" 3"			
2. LOCATION (Coordinates or Station) Site 51				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL Stainless Steel Hand Auger			
4. HOLE NO. (As shown on drawing title and file number) 515B02				13. OVERBURDEN SAMPLES		DISTURBED UNDISTURBED	
5. NAME OF DRILLER Allen Willmore / Susan Otter				14. TOTAL NUMBER CORE BOXES NA			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED 0° DEG. FROM VERT.				15. ELEVATION GROUND WATER NA			
7. THICKNESS OF OVERBURDEN NA				16. DATE HOLE STARTED 6/28/06 COMPLETED 6/28/06			
8. DEPTH DRILLED INTO ROCK NA				17. ELEVATION TOP OF HOLE			
9. TOTAL DEPTH OF HOLE 4'				18. TOTAL CORE RECOVERY FOR BORING 100% *			
INSPECTOR							
ELEVATION PD	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	1	SC	TOPSOIL, GRASS, ROOTING SAND, VERY CLAYEY, DENSE, ~~THE~~ MOD. SORTED, GRAY TO BROWN, DRY, NO ODOR.	100%		0920 - Sampled 0'-1' BGS. Took MS/MSD.	
	2						
	3						
	4					0928 - sampled 3'-4' bgs.	
			END OF BORING @ 4' BGS				

00061187
HOLE NO. 51SB03

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn Army Munition		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 4" 3"			
2. LOCATION (Coordinates or Station) Site 51				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL Stainless Steel Hand Auger			
4. HOLE NO. (As shown on drawing title and file number) 51 SB03				13. OVERBURDEN SAMPLES		DISTURBED UNDISTURBED	
5. NAME OF DRILLER Allen Willmore / Susan Oller				14. TOTAL NUMBER CORE BOXES NA			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED 0° DEG. FROM VERT.				15. ELEVATION GROUND WATER NA			
7. THICKNESS OF OVERBURDEN NA				16. DATE HOLE STARTED 6/27/06 COMPLETED 6/27/06			
8. DEPTH DRILLED INTO ROCK NA				17. ELEVATION TOP OF HOLE			
9. TOTAL DEPTH OF HOLE 4'				18. TOTAL CORE RECOVERY FOR BORING 100% X			
INSPECTOR							
ELEVATION PD	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	1	SC	Topsoil, GRASS, ROOTING	100%	X	1632 - Sampled 0'-1' BGS	
	2		SAND, VERY CLAYEY, DENSE, ~~fine~~ MOD. SORTED, GRAY TO BROWN, DRY, NO ODOR.			Took Field Duplicate	
	3						
	4						
			END OF BORING @ 4' BGS		X	1632 - Sampled 3'-4' BGS	

00061188

HOLE NO. 515B04

DRILLING LOG		DIVISION	INSTALLATION	SHEET	SHEETS	
1. PROJECT 117591		Longhorn PBC	Longhorn Army Munition	OF 1		
2. LOCATION (Coordinates or Station) Site 51			10. SIZE AND TYPE OF BIT 4 1/2" 3"			
3. DRILLING AGENCY Shaw			11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
4. HOLE NO. (As shown on drawing title and file number) 515B04			12. MANUFACTURER'S DESIGNATION OF DRILL Stainless Steel Hand Auger			
5. NAME OF DRILLER Allen Willmore / Susan Oller			13. OVERBURDEN SAMPLES DISTURBED UNDISTURBED			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ ° DEG. FROM VERT.			14. TOTAL NUMBER CORE BOXES NA			
7. THICKNESS OF OVERBURDEN NA			15. ELEVATION GROUND WATER NA			
8. DEPTH DRILLED INTO ROCK NA			16. DATE HOLE STARTED 6/27/06 COMPLETED 6/27/06			
9. TOTAL DEPTH OF HOLE 4'			17. ELEVATION TOP OF HOLE			
			18. TOTAL CORE RECOVERY FOR BORING 100%			
		INSPECTOR				
ELEVATION PD	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
0.0	1		TOPSOIL, GRASS, ROOTING			
	2	SC	SAND, VERY CLAYEY, DENSE, ~~WET~~ MOD. SORTED, GRAY TO BROWN, DRY, NO ODOR.	100%		1656 - Sampled 0'-1' BGS
	3					
	4		END OF BORING @ 4' BGS			Sample was not collected in this interval due to refusal. Oller 6/27/06

00061189

HOLE NO. 51SB05

DRILLING LOG		DIVISION	INSTALLATION		SHEET 1 OF 1 SHEETS	
1. PROJECT		Longhorn PBC	Longhorn Army Munition			
2. LOCATION (Coordinates or Station)		117591	10. SIZE AND TYPE OF BIT		4 1/2" x 3"	
3. DRILLING AGENCY		Shaw	11. DATUM FOR ELEVATION SHOWN		(TBM or MSL)	
4. HOLE NO. (As shown on drawing title and file number)		51SB05	12. MANUFACTURER'S DESIGNATION OF DRILL		MSL	
5. NAME OF DRILLER		Allen Willmore / Susan Oller	13. OVERBURDEN SAMPLES		DISTURBED UNDISTURBED	
6. DIRECTION OF HOLE			14. TOTAL NUMBER CORE BOXES		NA	
☒ VERTICAL ☐ INCLINED		0° DEG. FROM VERT.	15. ELEVATION GROUND WATER		NA	
7. THICKNESS OF OVERBURDEN		NA	16. DATE HOLE		STARTED 6/28/06 COMPLETED 6/28/06	
8. DEPTH DRILLED INTO ROCK		NA	17. ELEVATION TOP OF HOLE			
9. TOTAL DEPTH OF HOLE		4'	18. TOTAL CORE RECOVERY FOR BORING		m x	
INSPECTOR						
ELEVATION PD	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
0.0	1	SC	TOPSOIL, GRASS, ROOTING	100%		0900 - Sampled 0'-1' BGS
	2		SAND, VERY CLAYEY, DENSE, WE MOD.			
	3		SORTED, GRAY TO BROWN, DRY, NO			
	4		ODGR.			
			END OF BORING @ 4' BGS			Sample was not collected in this interval due to refusal - Oller 6/28/06

BORING LOG		DIVISION <u>Longhorn PBC</u>		INSTALLATION <u>Longhorn AAP</u>		SHEET OF <u>1</u> SHEETS	
1. PROJECT <u>117591</u>				9. DATUM FOR ELEVATION SHOWN (TBM or MSL) <u>NA</u>			
2. LOCATION <u>Site 55 ST-09</u>				10. MANUFACTURER'S DESIGNATION OF DRILL <u>NA</u>			
3. DRILLING AGENCY <u>QR1</u>				11. OVERBURDEN SAMPLES		DISTURBED <u>NA</u>	
4. HOLE NO. (As shown on drawing title and file number) <u>55SB06</u>				12. TOTAL NUMBER CORE BOXES <u>NA</u>		UNDISTURBED <u>NA</u>	
5. NAME OF DRILLER <u>Jason New</u>				13. ELEVATION GROUND WATER <u>NA</u>		14. DATE HOLE STARTED <u>9/27/06</u> COMPLETED <u>9/27/06</u>	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED <u>NA</u> DEG. FROM VERT.				15. ELEVATION TOP OF HOLE <u>NA</u>			
7. TOTAL DEPTH OF HOLE <u>6'</u>				16. TOTAL CORE RECOVERY FOR BORING <u>100</u> %			
8. SIZE AND TYPE OF BIT <u>1" Stainless Steel Hand</u>				17. LOGGED BY <u>S. Oller</u>		QC	
PID (ppm) a	DEPTH b	USCS c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	SAMPLE f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
0.0	1	SC	Topsoil Sand, clayey, fine grained, well sorted, dry, brown	100%	X	55SB06-01 13:10	
	2						
	3						
	4	CI	Clay, sandy, dense, no plasticity, dry, brown				
	5						
0.0	6		End of Boring	100%	X	55SB06-02 13:45	

00061191 55 SB01

HOLE NO.

DRILLING LOG		DIVISION		INSTALLATION		SHEET	
1. PROJECT		Longhorn PBC		Longhorn AAP		1 OF 1 SHEETS	
117591		2. LOCATION (Coordinates or Station)		10. SIZE AND TYPE OF BIT		2" Stainless Steel Hand Auger	
Site 55 ST-01		3. DRILLING AGENCY		11. DATUM FOR ELEVATION SHOWN (TBM or MSL)		NA	
Shaw		4. HOLE NO. (As shown on drawing title and file number)		12. MANUFACTURER'S DESIGNATION OF DRILL		NA	
55SB01		5. NAME OF DRILLER		13. OVERBURDEN SAMPLES		NA	
Andy Gilchrist		6. DIRECTION OF HOLE		14. TOTAL NUMBER CORE BOXES		NA	
☒ VERTICAL ☐ INCLINED		7. THICKNESS OF OVERBURDEN		15. ELEVATION GROUND WATER		NA	
NA		8. DEPTH DRILLED INTO ROCK		16. DATE HOLE		STARTED 9/28/06 COMPLETED 9/28/06	
NA		9. TOTAL DEPTH OF HOLE		17. ELEVATION TOP OF HOLE		NA	
6 ft		18. TOTAL CORE RECOVERY FOR BORING		18. TOTAL CORE RECOVERY FOR BORING		NA %	
		INSPECTOR		Susan Oler			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
a	b	c	d	e	f	g
0.0	1	SC	Topsoil Sandy clayey, fine grained Well sorted, dry brown	100%	X	55 SB01-01 (1-2') 9:10
	2					
	3					
	4	CI	Clay, sandy, dense, low plasticity, dry, brown			
0.0	5			100%	X	55 SB01-02 (5'-6') 9:30
	6					
			End of boring			

0006119255 SB02

HOLE NO.

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn AAP		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 2" Stainless Steel Auger			
2. LOCATION (Coordinates or Station) Site 55 ST-02				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NA			
3. DRILLING AGENCY QRI				12. MANUFACTURER'S DESIGNATION OF DRILL NA			
4. HOLE NO. (As shown on drawing title and file number) 55SB02				13. OVERBURDEN SAMPLES		DISTURBED NA	
5. NAME OF DRILLER Dave Mancik				14. TOTAL NUMBER CORE BOXES		NA	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED NA DEG. FROM VERT.				15. ELEVATION GROUND WATER		NA	
7. THICKNESS OF OVERBURDEN NA				16. DATE HOLE		STARTED 9/27/06 COMPLETED 9/27/06	
8. DEPTH DRILLED INTO ROCK NA				17. ELEVATION TOP OF HOLE		NA	
9. TOTAL DEPTH OF HOLE 3.5 ft				18. TOTAL CORE RECOVERY FOR BORING		NA %	
				Inspector Susan Oller		INSPECTOR	
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
0.0	1	SC	Top soil Sand, Clayey, fine grained, Well sorted, dry, Brown	100%	X	Hand Augered	
0.0	2					55 SB02-01 12:15	
	3						55 SB02-02 12:45
	4		END of Boring			after hitting bed of gravel (rounded chert)	

00061193 55SB03

HOLE NO.

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn AAP		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 2" Stainless Steel Hand Auger			
2. LOCATION (Coordinates or Station) Site 55 ST-03				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NA			
3. DRILLING AGENCY QRI				12. MANUFACTURER'S DESIGNATION OF DRILL NA			
4. HOLE NO. (As shown on drawing title and file number) 55SB03				13. OVERBURDEN SAMPLES		DISTURBED NA	
5. NAME OF DRILLER Dave Mancik				14. TOTAL NUMBER CORE BOXES NA		UNDISTURBED NA	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED NA DEG. FROM VERT.				15. ELEVATION GROUND WATER NA		16. DATE HOLE STARTED 9/27/06 NA COMPLETED 9/27/06 NA	
7. THICKNESS OF OVERBURDEN NA				17. ELEVATION TOP OF HOLE NA		18. TOTAL CORE RECOVERY FOR BORING NA %	
8. DEPTH DRILLED INTO ROCK NA				S. Oller INSPECTOR			
9. TOTAL DEPTH OF HOLE 3 ft							
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
0.0	1	SC	TOPSOIL Sand, clayey, fine grained Well sorted, dry, brown	100%	X	55SB0301 15:20	
0.0	2						
	3		END of Boring		X	55SB0302 15:45 after hitting a bed of gravel (rounded chert)	

BORING LOG		DIVISION <u>Longhorn PBC</u>		INSTALLATION <u>Longhorn AAP</u>		SHEET OF 1 SHEETS	
1. PROJECT <u>117591</u>				9. DATUM FOR ELEVATION SHOWN (TBM or MSL) <u>NA</u>			
2. LOCATION <u>Site 55 ST-06</u>				10. MANUFACTURER'S DESIGNATION OF DRILL <u>NA</u>			
3. DRILLING AGENCY <u>QR1</u>				11. OVERBURDEN SAMPLES		DISTURBED <u>NA</u>	UNDISTURBED <u>NA</u>
4. HOLE NO. (As shown on drawing title and file number) <u>55SB01</u>				12. TOTAL NUMBER CORE BOXES <u>NA</u>		13. ELEVATION GROUND WATER <u>NA</u>	
5. NAME OF DRILLER <u>Jason New</u>				14. DATE HOLE		STARTED <u>9/27/06</u>	COMPLETED <u>9/27/06</u>
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED <u>NA</u> DEG. FROM VERT.				15. ELEVATION TOP OF HOLE <u>NA</u>			
7. TOTAL DEPTH OF HOLE <u>6'</u>				16. TOTAL CORE RECOVERY FOR BORING <u>NA</u> %			
8. SIZE AND TYPE OF BIT <u>4" Stainless Steel</u>				17. LOGGED BY <u>S. Oller</u>		QC	
PID (ppm) a	DEPTH b	USCS c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	SAMPLE f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
0.0	1	SC	Topsoil Sand, clayey, fine grained, well sorted, dry, brown	100%	X	55SB04011405	
	2						
	3		Clay, sandy, dense, no plasticity, dry, brown			55SB04021430	
	4	CI					
0.0	5			100%	X		
	6		End of Boring				

00061195

55SB05

HOLE NO.

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn AAP		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 2" Stainless Steel Hand Auger			
2. LOCATION (Coordinates or Station) Site 55 ST-07				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NA			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL NA			
4. HOLE NO. (As shown on drawing title and file number) 55SB05				13. OVERBURDEN SAMPLES		DISTURBED NA	
5. NAME OF DRILLER Andy Gilchrist				14. TOTAL NUMBER CORE BOXES NA		UNDISTURBED NA	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED NA DEG. FROM VERT.				15. ELEVATION GROUND WATER NA		16. DATE HOLE STARTED 9/28/06 COMPLETED 9/28/06	
7. THICKNESS OF OVERBURDEN NA				17. ELEVATION TOP OF HOLE NA			
8. DEPTH DRILLED INTO ROCK NA				18. TOTAL CORE RECOVERY FOR BORING NA %			
9. TOTAL DEPTH OF HOLE 2.5 ft				S. Oller INSPECTOR			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
	1		TOPSOIL Sand, clayey, finegrained, well sorted, dry, brown	100%		55SB05-01 (1-2') 10:05	
	2			100%		55SB05-02 (2.5') 10:15 - Panned after hitting layer of gravel (rounded chert)	
	3		End of Boring				

BORING LOG		DIVISION <u>Longhorn PBC</u>		INSTALLATION <u>Longhorn AAP</u>		SHEET <u>1</u> OF <u>1</u> SHEETS	
1. PROJECT <u>117591</u>				9. DATUM FOR ELEVATION SHOWN (TBM or MSL) <u>NA</u>			
2. LOCATION <u>Site 55 ST-10</u>				10. MANUFACTURER'S DESIGNATION OF DRILL <u>NA</u>			
3. DRILLING AGENCY <u>QR1</u>				11. OVERBURDEN SAMPLES		DISTURBED <u>NA</u> UNDISTURBED <u>NA</u>	
4. HOLE NO. (As shown on drawing title and file number) <u>55SB07-01 all 9/29/06</u>				12. TOTAL NUMBER CORE BOXES <u>NA</u>		13. ELEVATION GROUND WATER <u>NA</u>	
5. NAME OF DRILLER <u>Jason New</u>				14. DATE HOLE <u>9/27/06</u>		STARTED <u>9/27/06</u> COMPLETED <u>9/27/06</u>	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED <u>NA</u> DEG. FROM VERT.				15. ELEVATION TOP OF HOLE <u>NA</u>			
7. TOTAL DEPTH OF HOLE <u>6'</u>				16. TOTAL CORE RECOVERY FOR BORING <u>100</u> %			
8. SIZE AND TYPE OF BIT <u>4" Stainless Steel Hand</u>				17. LOGGED BY <u>S. Oiler</u>		QC	
PID (ppm) a	DEPTH b	USCS c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	SAMPLE f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
0.0	1	SC	Topsoil Sand, clayey, medium to fine grained, well sorted, dry, brown	100%	X	55SB07-01 (1-2') 12:00	
	2						
	3						
	4	CI	Clay, sandy, dense, no plasticity, dry, brown		X	55SB07-02 (5-6') 12:20	
	5						
	6						
0.0	6		End of Boring				

00061197

HOLE NO. 64SB01

DRILLING LOG		DIVISION PBC-117591		INSTALLATION LONGHORN AAP		SHEET OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 2" Stainless Steel Auger			
2. LOCATION (Coordinates or Station) Site 64				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NA			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL NA			
4. HOLE NO. (As shown on drawing title and file number) 64 SB01				13. OVERBURDEN SAMPLES DISTURBED NA UNDISTURBED NA			
5. NAME OF DRILLER S. Diller				14. TOTAL NUMBER CORE BOXES NA			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.				15. ELEVATION GROUND WATER NA			
7. THICKNESS OF OVERBURDEN NA				16. DATE HOLE STARTED 8/29/06 COMPLETED 8/29/06			
8. DEPTH DRILLED INTO ROCK NA				17. ELEVATION TOP OF HOLE NA			
9. TOTAL DEPTH OF HOLE 5 ft				18. TOTAL CORE RECOVERY FOR BORING NA %			
INSPECTOR							
ELEVATION PID	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOV- ERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	0		Topsoil, rooted			Hand Augered 0-5'	
0.0	0.5		Sand, clay, med to fine grained, moderately sorted, dry, brown	100%		64 SB01-01 9:30	
0.0	1	SC		100%			
0.0	1.5			100%			
0.0	2			100%			
0.0	2.5			100%			
0.0	3	CI	Clay, sandy, dense, low to no plasticity, dry, brown	100%			
0.0	3.5			100%		64 SB01-02 10:00	
0.0	4			100%			
0.0	4.5			100%			
0.0	5		End of Boring @ 5'	100%			

00061198

HOLE NO. 64SB02

DRILLING LOG		DIVISION LONGHORN-PBC 117591		INSTALLATION LONGHORN AAP		SHEET OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 2" Stainless Steel			
2. LOCATION (Continuation of Station) Site 64				11. DATUM FOR ELEVATION SHOWN (TBM or NSL) NA			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL NA			
4. HOLE NO. (As shown on drawing HHS and its number) 64SB02				13. OVERBURDEN SAMPLES DISTURBED NA UNDISTURBED NA		14. TOTAL NUMBER CORE BOXES NA	
5. NAME OF DRILLER S. Oiler				15. ELEVATION GROUND WATER NA		16. DATE HOLE STARTED 8/29/06 COMPLETED 8/29/06	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED NA DEG. FROM VERT.				17. ELEVATION TOP OF HOLE NA		18. TOTAL CORE RECOVERY FOR BORING NA %	
7. THICKNESS OF OVERBURDEN NA				INSPECTOR NA			
8. DEPTH DRILLED INTO ROCK NA							
9. TOTAL DEPTH OF HOLE 5 ft							
ELEVATION PID	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOV- ERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	0		Topsoil, rooted	100%		Hand Augered 0-5'	
0.0	0.5		Sand, clayey, med to fine grained, moderately sorted, dry, brown	100%		64SB02-01 10:10	
0.0	1	SC		100%			
0.0	1.5			100%			
0.0	2			100%			
0.0	2.5			100%			
0.0	3	CI	Clay, sandy, dense, low to no plasticity, dry, brown	100%			
0.0	3.5			100%			
0.0	4			100%		64SB02-02 10:20	
0.0	4.5			100%			
0.0	5		End of Boring @ 5'				

00061199

HOLE NO. 64SB03

DRILLING LOG		DIVISION: LONGHORN PBC 117591		INSTALLATION: LONGHORN AAP		SHEET 1 OF 1 SHEETS	
1. PROJECT: 117591				10. SIZE AND TYPE OF BIT: 2" Stainless Steel			
2. LOCATION: Site 64				11. DATUM FOR ELEVATION SHOWN: (TBM or MSL) NA			
3. DRILLING AGENCY: Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL: NA			
4. HOLE NO. (As shown on drawing title and file number): 64 SB03				13. OVERBURDEN SAMPLES: DISTURBED NA UNDISTURBED NA		14. TOTAL NUMBER CORE BOXES: NA	
5. NAME OF DRILLER: S. Oller				15. ELEVATION GROUND WATER: NA			
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED NA DEG. FROM VERT.				16. DATE HOLE: STARTED 8/29/06 COMPLETED 8/29/06			
7. THICKNESS OF OVERBURDEN: NA				17. ELEVATION TOP OF HOLE: NA			
8. DEPTH DRILLED INTO ROCK: NA				18. TOTAL CORE RECOVERY FOR BORING: NA %			
9. TOTAL DEPTH OF HOLE: 5 ft				INSPECTOR			
ELEVATION PD	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOV- ERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	0.5	SC	Topsoil, rooted	100%	X	Hand Augered 0-5'	
0.0	1		Sand, clayey, med to fine grained, moderately sorted, dry, brown	100%		64SB03-01 10:10	
0.0	2			100%			
0.0	3			100%			
0.0	4			100%			
0.0	5	CI	Clay, sandy, dense, low to no plasticity, dry brown	100%	X		
0.0	4			100%			
0.0	5			100%			
			END OF BORING @ 5'			64 SB03-02 10:40	

00061200

68SB01
HOLE NO. 68SB01

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn AAP		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 2" Stainless Steel			
2. LOCATION (Coordinates or Station) Site 68				11. DATUM FOR ELEVATION SHOWN (BM or MSL) NA			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL NA			
4. HOLE NO. (As shown on drawing title and file number) 68 SB00-01				13. OVERBURDEN SAMPLES		DISTURBED NA UNDISTURBED NA	
5. NAME OF DRILLER S. Oller				14. TOTAL NUMBER CORE BOXES NA		15. ELEVATION GROUND WATER NA	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED NA DEG. FROM VERT.				16. DATE HOLE STARTED 8/30/06 COMPLETED 8/30/06		17. ELEVATION TOP OF HOLE NA	
7. THICKNESS OF OVERBURDEN NA				18. TOTAL CORE RECOVERY FOR BORING NA %			
8. DEPTH DRILLED INTO ROCK NA				INSPECTOR			
9. TOTAL DEPTH OF HOLE 5 ft							
ELEVATION PID	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOV- ERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	0		Topsoil, rooted	100%		Hand Augered 0-5'	
0.0	0.5		SC Sand, clayey, medium grained, moderately sorted, dry, brown	100%		68 SB01-01 9:30	
0.0	1			100%			
0.0	1.5			100%			
0.0	2			100%			
0.0	2.5			100%			
0.0	3		CL Clay, sandy, dense, no plasticity, dry, brown	100%			
0.0	3.5			100%			
0.0	4			100%		68 SB01-02 9:45	
0.0	4.5			100%			
0.0	5		End of Boring				

00061201

68SB02
HOLE NO. 68SB02

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn AAP		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 2" Stainless Steel			
2. LOCATION (Coordinate or Station) Site 68				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NA			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL NA			
4. HOLE NO. (As shown on drawing title and file number) 68 SB002				13. OVERBURDEN SAMPLES		DISTURBED NA UNDISTURBED NA	
5. NAME OF DRILLER S. Oller				14. TOTAL NUMBER CORE BOXES NA		15. ELEVATION GROUND WATER NA	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED NA DEG. FROM VERT.				16. DATE HOLE STARTED 8/30/06 COMPLETED 8/30/06		17. ELEVATION TOP OF HOLE NA	
7. THICKNESS OF OVERBURDEN NA				18. TOTAL CORE RECOVERY FOR BORING NA %			
8. DEPTH DRILLED INTO ROCK NA							
9. TOTAL DEPTH OF HOLE 5 ft				INSPECTOR			
ELEVATION PID	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	0		Topsoil	100%		Hand Augered 0-5'	
0.0	0.5		Sand, clayey, medium grained, moderately sorted, dry, brown	100%		68 SB02-01 10:00	
0.0	1			100%			
0.0	1.5			100%			
0.0	2			100%			
0.0	2.5			100%			
0.0	3		Clay, sandy, dense, no plasticity, dry, brown.	100%			
0.0	3.5			100%			
0.0	4			100%			
0.0	4.5			100%		68 SB02-02 10:15	
0.0	5		End of Boring	100%			

00061202

68SB03

HOLE NO. 68SB03

DRILLING LOG		DIVISION Longhorn PBC		INSTALLATION Longhorn AAP		SHEET 1 OF 1 SHEETS	
1. PROJECT 117591				10. SIZE AND TYPE OF BIT 2" Stainless Steel			
2. LOCATION (Coordinates or Station) Site 68				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NA			
3. DRILLING AGENCY Shaw				12. MANUFACTURER'S DESIGNATION OF DRILL NA			
4. HOLE NO. (As shown on drawing title and file number) 68 SB003				13. OVERBURDEN SAMPLES		DISTURBED NA UNDISTURBED NA	
5. NAME OF DRILLER S. Oller				14. TOTAL NUMBER CORE BOXES		NA	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED NA DEG. FROM VERT.				15. ELEVATION GROUND WATER		NA	
7. THICKNESS OF OVERBURDEN NA				16. DATE HOLE		STARTED 8/30/06 COMPLETED 8/30/06	
8. DEPTH DRILLED INTO ROCK NA				17. ELEVATION TOP OF HOLE		NA	
9. TOTAL DEPTH OF HOLE 5 ft				18. TOTAL CORE RECOVERY FOR BORING		NA %	
				INSPECTOR			
ELEVATION DID	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOV- ERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	0		Topsoil	100%		Hand Augered 0-5' 68SB03-01 10:25	
0.0	.5		Sand, clayey, medium grained, moderately sorted dry, brown	100%			
0.0	1	sc		100%			
0.0	1.5			100%			
0.0	2			100%			
0.0	2.5		Clay, sandy, dense, no plasticity, dry, brown	100%		68SB03-02 10:37	
0.0	3	cl		100%			
0.0	3.5			100%			
0.0	4			100%			
0.0	4.5		End of Boring	100%			
0.0	5						



Shaw Environmental & Infrastructure, Inc.

3010 Briarpark Drive Suite 400

Houston, Texas

TEL: (713) 996-4400

FAX: (713) 996-4436

DAILY LOG	DATE: 5/4/07
	NO.
	SHEET 1 OF 3

FIELD ACTIVITY DAILY LOG

PROJECT NAME LONGHORN LMARC		PROJECT NO. 117591	
FIELD ACTIVITY SUBJECT:		WBS Code VARIOUS	
SPLP Sampling at LHAP-06, 07, 51, 55, 66, 68, 64			
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
7:30am - Site 06-06SB01-01-SPLP - Collected sample from within 2 inches of stake of previous sample. Used stainless steel auger, stainless steel trowel and stainless steel bowl and disposable gloves. Equipment was decontaminated before collecting sample. Soil was collected in 4 oz. jar and placed in cooler to be sent to lab for analysis of SPLP SVOC.			
8:10am - Site 07-07SB04-01-SPLP - Collected sample from within 2 inches of stake marking previous sample. Used SS auger, SS trowel, and SS bowl and disposable gloves. Equipment was decontaminated prior to collecting sample. Soil was collected in 4 oz. jar and placed in cooler to be sent to lab for analysis of SPLP SVOC.			
09:45am - Site 07-07SB06-01-SPLP - Sample was collected from within 2 inches of stake marking previous sample. Stainless steel auger, stainless steel trowel and stainless steel bowl and disposable gloves were used. Equipment was decontaminated prior to collecting sample. Soil was collected in 4 oz. jar and placed in cooler to be sent to lab for analysis of SPLP SVOC.			
VISITORS ONSITE:		CHANGES FROM PLANS AND SPECIFICATIONS AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.	
None			
WEATHER CONDITIONS:		IMPORTANT TELEPHONE CALLS:	
Sunny / 80°F			
SHAW PERSONNEL ONSITE:			
Scott Beelinger			
SIGNATURE: Scott Beelinger		DATE: 5/4/07	



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DAILY LOG	DATE: 5/4/07
	NO.
	SHEET 2 of 3

FIELD ACTIVITY DAILY LOG

PROJECT NAME LONGHORN LMARC		PROJECT NO. 117591	
FIELD ACTIVITY SUBJECT:		WBS Code Various	
Sampling SPLP Sampling at LHAAP-06, 07, 51, 55, 66, 68, 69			
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
11:00am - Site 51-51SB02-01-SPLP - Collected Sample from within 2 inches of stake marking previous sample. Used stainless steel auger, stainless steel trowel, stainless steel bowl and disposable gloves. Equipment was decontaminated before collecting sample. Soil was collected in 4oz. jar and placed in cooler to be sent to lab for analysis of SPLP Silver.			
12:40pm - Site 55-55SB03-01-SPLP - Collected sample from within 2 inches of previous sample location. Used stainless steel auger, stainless steel trowel, stainless steel bowl and disposable gloves. Equipment was decontaminated before collecting sample. Soil was collected in 4oz. jar and placed in cooler to be sent to lab for analysis of SPLP Beryllium and Lead.			
1:17pm - Site 66-100455007-SPLP - Collected Sample from within 2 inches of previous sample location. Used a stainless steel auger, stainless steel bowl, stainless steel trowel and disposable gloves. Decontaminated equipment before collecting sample. Sample was collected in a 4oz. jar and put in cooler to be sent to lab for analysis of SPLP PCB.			
VISITORS ONSITE:		CHANGES FROM PLANS AND SPECIFICATIONS AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.	
None			
WEATHER CONDITIONS:		IMPORTANT TELEPHONE CALLS:	
Sunny / 84°F			
SHAW PERSONNEL ONSITE:			
Scott Beesinger			
SIGNATURE: Scott Beesinger		DATE: 5/4/07	



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DAILY LOG	DATE: 5/4/07
	NO.
	SHEET 3 OF 3

FIELD ACTIVITY DAILY LOG

PROJECT NAME LONGHORN LMARC		PROJECT NO. 117591	
FIELD ACTIVITY SUBJECT:		WBS Code Various	
SPLP Sampling at LHAAP-06, 07, 51, 55, 66, 68, 64			
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
2:05pm - Site 68-685B01-01-SPLP - Sample was collected within 2 inches of stake marking previous sample location. Used a stainless steel auger, stainless steel trowel, stainless steel bowl and disposable gloves. Decontaminated all equipment before collecting sample. Soil was collected in a 4oz. jar and put in cooler to be sent to lab for analysis of SPLP SVOC.			
2:15pm - Site 64-645B03-01-SPLP - Collected sample within 2 inches of stake marking previous sample location. Used a stainless steel auger, stainless steel bowl, stainless steel trowel and disposable gloves. Equipment was decontaminated before collecting sample. Soil was collected in 4oz. jars and put in cooler to be sent to lab for analysis of SPLP SVOC and SPLP PCB.			
VISITORS ONSITE:		CHANGES FROM PLANS AND SPECIFICATIONS AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.	
None			
WEATHER CONDITIONS:		IMPORTANT TELEPHONE CALLS:	
Sunny / 87°F			
SHAW PERSONNEL ONSITE:			
Scott Beesinger			
SIGNATURE: Scott Beesinger		DATE: 5/4/07	



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0608643

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

This report was reviewed on September 21, 2006.

A handwritten signature in cursive script that reads "Stephanie Mossburg".

STEPHANIE MOSSBURG - Team Chemist/Data Specialist

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on September 21, 2006.

A handwritten signature in cursive script that reads "David E. Vandenberg".

David Vandenberg - Vice President

FL DOH NELAP ID: E8755

This report contains a total of 257 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0608643

00061207

09/21/06 15:20

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 2773

Work ID: LHAAP/SITE 6/KARNACK, TX

P.O. Number: 200328

Sample Summary

Client ID	QC Type	Lab ID	Date Collected	Date Received
06SB01-01		L0608643-01	29-AUG-06	30-AUG-06
06SB01-02		L0608643-02	29-AUG-06	30-AUG-06
06SB02-01		L0608643-03	29-AUG-06	30-AUG-06
06SB02-02		L0608643-04	29-AUG-06	30-AUG-06
06SB03-01		L0608643-05	29-AUG-06	30-AUG-06
06SB03-02		L0608643-06	29-AUG-06	30-AUG-06
06SB01-01-QC		L0608643-07	29-AUG-06	30-AUG-06
TRIP BLANK		L0608643-08	29-AUG-06	30-AUG-06
06SB01-01	MS	L0608643-09	29-AUG-06	30-AUG-06
06SB01-01	MSD	L0608643-10	29-AUG-06	30-AUG-06

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0608643

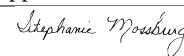
CHAIN OF CUSTODY: The chain of custody number was 10401.

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 4 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 05-SEP-06



Laboratory Data Package Cover Page

00061209

This data Package consists of:

This signature page, the laboratory review checklists, 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 5.13 or ISO/IEC 17025 Section 5.10
- 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) for each analyte, 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 amount,
- 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 %R 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) 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 laboratory review checklist.

Release statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exceptions reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, If applicable: ☐ This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

DEANNA I. HESSON



Conventional Lab Supervisor

September 7, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

RG-366/TRRP-13 December 2002

A1

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0608643
Project Name: 798-LONGHORN
Method: PCTSOLIDS
Prep Batch Number(s): WG221485
Reviewer Name: DEANNA I. HESSON
LRC Date: September 07, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?			✓		
Surrogate recovery data					
Were surrogates added prior to extraction?			✓		
Were surrogate percent recoveries in all samples within the laboratory QC limits?			✓		
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?			✓		
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 the required frequency?			✓		
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?			✓		
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?			✓		
Was the LCSD RPD within QC limits?			✓		
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?			✓		

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?			00061211		
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?	✓				
Were analytical duplicates analyzed at the appropriate frequency?	✓				
Were RPDs or relative standard deviations within the laboratory QC limits?	✓				
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 included in the laboratory data package?			✓		
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?	✓				
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?			✓		
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?			✓		
Initial and continuing calibration verification (ICV 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?			✓		
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?			✓		
Were ion abundance data within the method-required QC limits?			✓		
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?			✓		
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?			✓		
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:					
Were percent recoveries within method QC limits?			✓		
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?			✓		
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?			✓		
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?			✓		

Description	Yes	No	NA(1)	NR(2)	ER(3)
Standards documentation			00061212		
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?			✓		
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?			✓		
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name:	KEMRON
Laboratory Log Number:	L0608643
Project Name:	798-LONGHORN
Method:	PCTSOLIDS
Prep Batch Number(s):	WG221485
Reviewer Name:	DEANNA I. HESSON
LRC Date:	September 07, 2006

EXCEPTIONS REPORT

ER# - Description

Footnotes:

- (1) NA = Not applicable to method or project
- (2) NR = Not reviewed
- (3) ER# = Exception report number

Laboratory Data Package Cover Page

00061214

This data Package consists of:

This signature page, the laboratory review checklists, 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 5.13 or ISO/IEC 17025 Section 5.10

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) for each analyte, 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 amount,

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 %R 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) 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 laboratory review checklist.

Release statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exceptions reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [✓] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

MIKE D. ALBERTSON



Volatiles Lab Supervisor

September 8, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

RG-366/TRRP-13 December 2002

A1

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0608643
Project Name: 798-LONGHORN
Method: 8260B
Prep Batch Number(s): 221164, 221254, 221361
Reviewer Name: MIKE D. ALBERTSON
LRC Date: September 08, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?			✓		
Surrogate recovery data					
Were surrogates added prior to extraction?	✓				
Were surrogate percent recoveries in all samples within the laboratory QC limits?	✓				
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?	✓				
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 the required frequency?	✓				
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
Was the LCSD RPD within QC limits?	✓				
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?		✓			1

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?		✓	00061216 ²		
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?			✓		
Were analytical duplicates analyzed at the appropriate frequency?			✓		
Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
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 included in the laboratory data package?	✓				
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?	✓				
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				
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?	✓				
Initial and continuing calibration verification (ICV 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?			✓		
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?	✓				
Were ion abundance data within the method-required QC limits?	✓				
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?	✓				
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?	✓				
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:					
Were percent recoveries within method QC limits?			✓		
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?			✓		
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?	✓				
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				

Description	Yes	No	NA(1)	NR(2)	ER(3)
Standards documentation			00061217		
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?	✓				
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

EXCEPTIONS REPORT

ER# - Description

#1: The MS/MSD analyses of sample 01 yielded a % recovery for vinyl acetate below the lower advisory limit.

#2: The MS/MSD analyses of sample 01 yielded multiple RPD results above the upper advisory limits.

Footnotes:

(1) NA = Not applicable to method or project

(2) NR = Not reviewed

(3) ER# = Exception report number

Laboratory Data Package Cover Page

00061218

This data Package consists of:

This signature page, the laboratory review checklists, 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 5.13 or ISO/IEC 17025 Section 5.10
- 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) for each analyte, 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 amount,
- 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 %R 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) 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 laboratory review checklist.

Release statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exceptions reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, If applicable: ☐ This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

MICHAEL D. COCHRAN



Semivolatiles Lab Supervisor

September 12, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

RG-366/TRRP-13 December 2002

A1

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0608643
Project Name: 798-LONGHORN
Method: 8330
Prep Batch Number(s): WG221209
Reviewer Name: MICHAEL D. COCHRAN
LRC Date: September 12, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?			✓		
Surrogate recovery data					
Were surrogates added prior to extraction?	✓				
Were surrogate percent recoveries in all samples within the laboratory QC limits?	✓				
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?	✓				
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 the required frequency?	✓				
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
Was the LCSD RPD within QC limits?			✓		
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?		✓			1

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?	✓		00061220		

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
 Laboratory Log Number: L0608643
 Project Name: 798-LONGHORN
 Method: 8330
 Prep Batch Number(s): WG221209
 Reviewer Name: MICHAEL D. COCHRAN
 LRC Date: September 12, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?			✓		
Were analytical duplicates analyzed at the appropriate frequency?			✓		
Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
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 included in the laboratory data package?	✓				
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?			✓		
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				
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?	✓				
Initial and continuing calibration verification (ICV 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?		✓			2
Was the ICAL curve verified for each analyte?	✓				
Was the absolute value of the analyte concentration in the inorganic CCB <MDL?			✓		
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?			✓		
Were ion abundance data within the method-required QC limits?			✓		
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?			✓		
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
 Laboratory Log Number: L0608643
 Project Name: 798-LONGHORN
 Method: 8330
 Prep Batch Number(s): WG221209
 Reviewer Name: MICHAEL D. COCHRAN
 LRC Date: September 12, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:					
Were percent recoveries within method QC limits?			✓		
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?			✓		
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?	✓				
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
Standards documentation					
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?	✓				
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name:	KEMRON
Laboratory Log Number:	L0608643
Project Name:	798-LONGHORN
Method:	8330
Prep Batch Number(s):	WG221209
Reviewer Name:	MICHAEL D. COCHRAN
LRC Date:	September 12, 2006

EXCEPTIONS REPORT

ER# - Description

1. Sample 10MS yielded a recovery for 4-nitrotoluene that was above the upper acceptance limit.
2. The CCV standards analyzed on 9/6/06 at 18:53 and 9/8/06 at 15:57 yielded percent deviations for 4-nitrotoluene that were beyond the acceptance limit (biased high). The average of the percent deviations for the standards was within the acceptance limit.

Footnotes:

- (1) NA = Not applicable to method or project
- (2) NR = Not reviewed
- (3) ER# = Exception report number

Laboratory Data Package Cover Page

00061224

This data Package consists of:

This signature page, the laboratory review checklists, 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 5.13 or ISO/IEC 17025 Section 5.10
- 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) for each analyte, 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 amount,
- 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 %R 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) 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 laboratory review checklist.

Release statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exceptions reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, If applicable: ☐ This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

MICHAEL D. COCHRAN



Semivolatiles Lab Supervisor

September 12, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

RG-366/TRRP-13 December 2002

A1

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0608643
Project Name: 798-LONGHORN
Method: 8270
Prep Batch Number(s): WG221298
Reviewer Name: MICHAEL D. COCHRAN
LRC Date: September 12, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?			✓		
Surrogate recovery data					
Were surrogates added prior to extraction?	✓				
Were surrogate percent recoveries in all samples within the laboratory QC limits?	✓				
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?	✓				
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 the required frequency?	✓				
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
Was the LCSD RPD within QC limits?			✓		
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?		✓			1

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?	✓		00061226		

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
 Laboratory Log Number: L0608643
 Project Name: 798-LONGHORN
 Method: 8270
 Prep Batch Number(s): WG221298
 Reviewer Name: MICHAEL D. COCHRAN
 LRC Date: September 12, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?			✓		
Were analytical duplicates analyzed at the appropriate frequency?			✓		
Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
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 included in the laboratory data package?	✓				
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?			✓		
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				
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?	✓				2
Initial and continuing calibration verification (ICV 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?			✓		
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?	✓				
Were ion abundance data within the method-required QC limits?	✓				
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?	✓				
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
 Laboratory Log Number: L0608643
 Project Name: 798-LONGHORN
 Method: 8270
 Prep Batch Number(s): WG221298
 Reviewer Name: MICHAEL D. COCHRAN
 LRC Date: September 12, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:					
Were percent recoveries within method QC limits?			✓		
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?			✓		
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?	✓				
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
Standards documentation					
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?	✓				
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name:	KEMRON
Laboratory Log Number:	L0608643
Project Name:	798-LONGHORN
Method:	8270
Prep Batch Number(s):	WG221298
Reviewer Name:	MICHAEL D. COCHRAN
LRC Date:	September 12, 2006

EXCEPTIONS REPORT

ER# - Description

1. Samples 09MS and 10MSD yielded recoveries for 3 compounds and 2 compounds, respectively, that were below the lower acceptance limits.
2. The alternate source standard yielded a percent deviation for benzoic acid that was beyond the acceptance limit.

Footnotes:

- (1) NA = Not applicable to method or project
- (2) NR = Not reviewed
- (3) ER# = Exception report number

Laboratory Data Package Cover Page

00061230

This data Package consists of:

This signature page, the laboratory review checklists, 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 5.13 or ISO/IEC 17025 Section 5.10
- 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) for each analyte, 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 amount,
- 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 %R 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) 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 laboratory review checklist.

Release statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exceptions reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, If applicable: ☐ This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

MICHAEL D. COCHRAN



Semivolatiles Lab Supervisor

September 14, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

RG-366/TRRP-13 December 2002

A1

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0608643
Project Name: 798-LONGHORN
Method: T1005
Prep Batch Number(s): WG221521
Reviewer Name: MICHAEL D. COCHRAN
LRC Date: September 14, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?			✓		
Surrogate recovery data					
Were surrogates added prior to extraction?	✓				
Were surrogate percent recoveries in all samples within the laboratory QC limits?	✓				
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?	✓				
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 the required frequency?	✓				
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
Was the LCSD RPD within QC limits?			✓		
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?	✓				

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?	✓		00061232		

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
 Laboratory Log Number: L0608643
 Project Name: 798-LONGHORN
 Method: T1005
 Prep Batch Number(s): WG221521
 Reviewer Name: MICHAEL D. COCHRAN
 LRC Date: September 14, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?			✓		
Were analytical duplicates analyzed at the appropriate frequency?			✓		
Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
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 included in the laboratory data package?	✓				
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?			✓		
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				
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?	✓				
Initial and continuing calibration verification (ICV 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?			✓		
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?			✓		
Were ion abundance data within the method-required QC limits?			✓		
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?			✓		
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?			✓		

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
 Laboratory Log Number: L0608643
 Project Name: 798-LONGHORN
 Method: T1005
 Prep Batch Number(s): WG221521
 Reviewer Name: MICHAEL D. COCHRAN
 LRC Date: September 14, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:					
Were percent recoveries within method QC limits?			✓		
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?			✓		
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?	✓				
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
Standards documentation					
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?	✓				
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name:	KEMRON
Laboratory Log Number:	L0608643
Project Name:	798-LONGHORN
Method:	T1005
Prep Batch Number(s):	WG221521
Reviewer Name:	MICHAEL D. COCHRAN
LRC Date:	September 14, 2006

EXCEPTIONS REPORT

ER# - Description

Footnotes:

- (1) NA = Not applicable to method or project
- (2) NR = Not reviewed
- (3) ER# = Exception report number

Report Number: **L0608643**Report Date : **September 21, 2006****00061236**

Sample Number: **L0608643-01**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **W6221254**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **08/31/2006 16:00**
 Cal Date: **08/30/2006 20:05**
 Run Date: **08/31/2006 16:00**
 File ID: **11M35990**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Acetone	67-64-1		U	9.54	4.77
Benzene	71-43-2		U	4.77	0.477
Bromobenzene	108-86-1		U	4.77	0.477
Bromochloromethane	74-97-5		U	4.77	0.477
Bromodichloromethane	75-27-4		U	4.77	0.477
Bromoform	75-25-2		U	4.77	0.477
Bromomethane	74-83-9		U	9.54	0.954
2-Butanone	78-93-3		U	9.54	2.38
n-Butylbenzene	104-51-8		U	4.77	0.477
sec-Butylbenzene	135-98-8		U	4.77	0.477
tert-Butylbenzene	98-06-6		U	4.77	0.477
Carbon disulfide	75-15-0		U	4.77	0.477
Carbon tetrachloride	56-23-5		U	4.77	0.477
Chlorobenzene	108-90-7		U	4.77	0.477
Chlorodibromomethane	124-48-1		U	4.77	0.477
Chloroethane	75-00-3		U	9.54	0.954
2-Chloroethyl vinyl ether	110-75-8		U	9.54	1.91
Chloroform	67-66-3		U	4.77	0.477
Chloromethane	74-87-3		U	9.54	1.91
2-Chlorotoluene	95-49-8		U	4.77	0.477
4-Chlorotoluene	106-43-4		U	4.77	0.477
1,2-Dibromo-3-chloropropane	96-12-8		U	4.77	1.91
1,2-Dibromoethane	106-93-4		U	4.77	0.477
Dibromomethane	74-95-3		U	4.77	0.477
1,2-Dichlorobenzene	95-50-1		U	4.77	0.477
1,3-Dichlorobenzene	541-73-1		U	4.77	0.477
1,4-Dichlorobenzene	106-46-7		U	4.77	0.477
Dichlorodifluoromethane	75-71-8		U	9.54	0.954
1,1-Dichloroethane	75-34-3		U	4.77	0.954
1,2-Dichloroethane	107-06-2		U	4.77	0.477
1,1-Dichloroethene	75-35-4		U	4.77	0.477
cis-1,2-Dichloroethene	156-59-2		U	4.77	0.477
trans-1,2-Dichloroethene	156-60-5		U	4.77	0.477
1,2-Dichloropropane	78-87-5		U	4.77	0.477
1,3-Dichloropropane	142-28-9		U	4.77	0.477
2,2-Dichloropropane	594-20-7		U	4.77	0.477
cis-1,3-Dichloropropene	10061-01-5		U	4.77	0.477
trans-1,3-Dichloropropene	10061-02-6		U	4.77	0.477
1,1-Dichloropropene	563-58-6		U	4.77	0.477
Ethylbenzene	100-41-4		U	4.77	0.477
2-Hexanone	591-78-6		U	9.54	2.38
Hexachlorobutadiene	87-68-3		U	4.77	0.477
Isopropylbenzene	98-82-8		U	4.77	0.477
p-Isopropyltoluene	99-87-6		U	4.77	0.477
4-Methyl-2-pentanone	108-10-1		U	9.54	2.38
Methylene chloride	75-09-2		U	4.77	0.954
Naphthalene	91-20-3		U	9.54	0.477
n-Propylbenzene	103-65-1		U	4.77	0.477

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061237

Sample Number: **L0608643-01**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **WG221254**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **08/31/2006 16:00**
 Cal Date: **08/30/2006 20:05**
 Run Date: **08/31/2006 16:00**
 File ID: **11M35990**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Styrene	100-42-5		U	4.77	0.477
1,1,1,2-Tetrachloroethane	630-20-6		U	4.77	0.477
1,1,2,2-Tetrachloroethane	79-34-5		U	4.77	0.477
Tetrachloroethene	127-18-4		U	4.77	0.477
Toluene	108-88-3		U	4.77	0.477
1,2,3-Trichlorobenzene	87-61-6		U	4.77	0.477
1,2,4-Trichlorobenzene	120-82-1		U	4.77	0.477
1,1,1-Trichloroethane	71-55-6		U	4.77	0.477
1,1,2-Trichloroethane	79-00-5		U	4.77	0.477
Trichloroethene	79-01-6		U	4.77	0.477
Trichlorofluoromethane	75-69-4		U	9.54	0.954
1,2,3-Trichloropropane	96-18-4		U	4.77	0.954
1,2,4-Trimethylbenzene	95-63-6		U	4.77	0.477
1,3,5-Trimethylbenzene	108-67-8		U	4.77	0.477
Vinyl acetate	108-05-4		U	9.54	0.954
Vinyl chloride	75-01-4		U	9.54	0.954
o-Xylene	95-47-6		U	4.77	0.477
m-,p-Xylene	136777-61-2		U	4.77	0.477
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	93.9	80	120		
1,2-Dichloroethane-d4	91.2	80	120		
Toluene-d8	102	81	117		
4-Bromofluorobenzene	104	74	121		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-01**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **WG221796**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/07/2006 21:43**
 File ID: **5M42135**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Phenol	108-95-2		U	181	90.4
Bis(2-Chloroethyl)ether	111-44-4		U	181	90.4
2-Chlorophenol	95-57-8		U	181	90.4
1,3-Dichlorobenzene	541-73-1		U	181	90.4
1,4-Dichlorobenzene	106-46-7		U	181	90.4
Benzyl alcohol	100-51-6		U	181	90.4
1,2-Dichlorobenzene	95-50-1		U	181	90.4
2-Methylphenol	95-48-7		U	181	90.4
3-,4-Methylphenol	106-44-5		U	181	90.4
bis(2-Chloroisopropyl)ether	39638-32-9		U	181	90.4
N-Nitrosodipropylamine	621-64-7		U	181	90.4
Hexachloroethane	67-72-1		U	181	90.4
Nitrobenzene	98-95-3		U	181	90.4
Isophorone	78-59-1		U	181	90.4
2-Nitrophenol	88-75-5		U	181	90.4

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Report Number: L0608643

Report Date : September 21, 2006

00061238

Sample Number: L0608643-01
 Client ID: 06SB01-01
 Matrix: Soil
 Workgroup Number: W6221796
 Collect Date: 08/29/2006 15:20
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT
 Dilution: 1
 Units: ug/kg

Instrument: HPMS5
 Prep Date: 09/01/2006 08:30
 Cal Date: 09/05/2006 12:08
 Run Date: 09/07/2006 21:43
 File ID: 5M42135
 Percent Solid: 91.0

Analyte	CAS. Number	Result	Qual	PQL	SQL
2,4-Dimethylphenol	105-67-9		U	181	90.4
Benzoic acid	65-85-0		U	904	362
Bis(2-Chloroethoxy)Methane	111-91-1		U	181	90.4
2,4-Dichlorophenol	120-83-2		U	181	90.4
1,2,4-Trichlorobenzene	120-82-1		U	181	90.4
Naphthalene	91-20-3		U	181	90.4
4-Chloroaniline	106-47-8		U	181	90.4
Hexachlorobutadiene	87-68-3		U	181	90.4
4-Chloro-3-methylphenol	59-50-7		U	181	90.4
2-Methylnaphthalene	91-57-6		U	181	90.4
Hexachlorocyclopentadiene	77-47-4		U	181	90.4
2,4,6-Trichlorophenol	88-06-2		U	181	90.4
2,4,5-Trichlorophenol	95-95-4		U	181	90.4
2-Chloronaphthalene	91-58-7		U	181	90.4
2-Nitroaniline	88-74-4		U	904	362
Dimethylphthalate	131-11-3		U	181	90.4
Acenaphthylene	208-96-8		U	181	90.4
2,6-Dinitrotoluene	606-20-2		U	181	90.4
3-Nitroaniline	99-09-2		U	904	362
Acenaphthene	83-32-9		U	181	90.4
2,4-Dinitrophenol	51-28-5		U	904	362
4-Nitrophenol	100-02-7		U	904	362
Dibenzofuran	132-64-9		U	181	90.4
2,4-Dinitrotoluene	121-14-2		U	181	90.4
Diethylphthalate	84-66-2		U	181	90.4
4-Chlorophenyl-phenyl ether	7005-72-3		U	181	90.4
Fluorene	86-73-7		U	181	90.4
4-Nitroaniline	100-01-6		U	904	362
4,6-Dinitro-2-methylphenol	534-52-1		U	904	362
N-Nitrosodiphenylamine	86-30-6		U	181	90.4
4-Bromophenyl-phenylether	101-55-3		U	181	90.4
Hexachlorobenzene	118-74-1		U	181	90.4
Pentachlorophenol	87-86-5		U	904	362
Phenanthrene	85-01-8		U	181	90.4
Anthracene	120-12-7		U	181	90.4
Di-N-Butylphthalate	84-74-2		U	181	90.4
Fluoranthene	206-44-0		U	181	90.4
Pyrene	129-00-0		U	181	90.4
Butylbenzylphthalate	85-68-7		U	181	90.4
3,3'-Dichlorobenzidine	91-94-1		U	362	181
Benzo(a)anthracene	56-55-3		U	181	90.4
Chrysene	218-01-9		U	181	90.4
bis(2-Ethylhexyl)phthalate	117-81-7		U	181	90.4
Di-n-octylphthalate	117-84-0		U	181	90.4
Benzo(b)fluoranthene	205-99-2		U	181	90.4
Benzo(k)fluoranthene	207-08-9		U	181	90.4
Benzo(a)pyrene	50-32-8		U	181	90.4
Indeno(1,2,3-cd)pyrene	193-39-5		U	181	90.4

Report Number: **L0608643**Report Date : **September 21, 2006**

00061239

Sample Number: **L0608643-01**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **W6221796**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/07/2006 21:43**
 File ID: **5M42135**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Dibenzo(a,h)Anthracene	53-70-3		U	181	90.4
Benzo(g,h,i)Perylene	191-24-2		U	181	90.4
Surrogate	% Recovery	Lower	Upper	Qual	
2-Fluorophenol	53.4	25	121		
Phenol-d5	63.6	24	113		
Nitrobenzene-d5	57.0	23	120		
2-Fluorobiphenyl	61.1	30	115		
2,4,6-Tribromophenol	59.6	19	122		
p-Terphenyl-d14	102	18	137		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-01**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **W6221609**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **8330**
 Analyst: **JLS**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HPLC4**
 Prep Date: **08/31/2006 08:00**
 Cal Date: **08/10/2006 19:30**
 Run Date: **09/06/2006 14:32**
 File ID: **4L009119.F**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,3,5-Trinitrobenzene	99-35-4		U	0.249	0.0995
1,3-Dinitrobenzene	99-65-0		U	0.249	0.0995
2,4,6-Trinitrotoluene	118-96-7		U	0.249	0.0995
2,4-Dinitrotoluene	121-14-2		U	0.249	0.0995
2,6-Dinitrotoluene	606-20-2		U	0.259	0.0995
2-Amino-4,6-dinitrotoluene	35572-78-2		U	0.259	0.0995
2-Nitrotoluene	88-72-2		U	0.249	0.0995
3-Nitrotoluene	99-08-1		U	0.249	0.0995
4-Nitrotoluene	99-99-0		U	0.249	0.0995
4-Amino-2,6-dinitrotoluene	19406-51-0		U	0.259	0.0995
HMX	2691-41-0		U	2.19	0.0995
Nitrobenzene	98-95-3		U	0.259	0.129
RDX	121-82-4		U	0.995	0.0995
Tetryl	479-45-8		U	0.647	0.199
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	91.7	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: **L0608643**Report Date : **September 21, 2006**

00061240

Sample Number: **L0608643-01**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **W6221485**
 Collect Date: **08/29/2006 15:20**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **09/05/2006 09:40**
 Cal Date:
 Run Date: **09/05/2006 09:40**
 File ID: **OV.0609050940-01**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	91.0		1.00	1.00

Sample Number: **L0608643-01**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **W6221525**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **HAV**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **09/05/2006 12:00**
 Cal Date: **09/11/2006 20:33**
 Run Date: **09/11/2006 23:13**
 File ID: **1469195**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	54.3	27.1
Carbon Range C12-C28		49.9	J	54.3	27.1
Carbon Range C28-C35		91.9		54.3	27.1
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	109	31	130		
o-Terphenyl	114	70	130		

J The analyte was positively identified, but the quantitation was below the RL
 U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-02**
 Client ID: **06SB01-02**
 Matrix: **Soil**
 Workgroup Number: **W6221361**
 Collect Date: **08/29/2006 15:30**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **09/01/2006 17:15**
 Cal Date: **08/30/2006 20:05**
 Run Date: **09/01/2006 17:15**
 File ID: **11M36021**
 Percent Solid: **92.3**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Acetone	67-64-1		U	11.1	5.56
Benzene	71-43-2		U	5.56	0.556
Bromobenzene	108-86-1		U	5.56	0.556
Bromochloromethane	74-97-5		U	5.56	0.556
Bromodichloromethane	75-27-4		U	5.56	0.556
Bromoform	75-25-2		U	5.56	0.556
Bromomethane	74-83-9		U	11.1	1.11
2-Butanone	78-93-3		U	11.1	2.78
n-Butylbenzene	104-51-8		U	5.56	0.556
sec-Butylbenzene	135-98-8		U	5.56	0.556
tert-Butylbenzene	98-06-6		U	5.56	0.556
Carbon disulfide	75-15-0		U	5.56	0.556
Carbon tetrachloride	56-23-5		U	5.56	0.556
Chlorobenzene	108-90-7		U	5.56	0.556
Chlorodibromomethane	124-48-1		U	5.56	0.556
Chloroethane	75-00-3		U	11.1	1.11
2-Chloroethyl vinyl ether	110-75-8		U	11.1	2.23

Report Number: **L0608643**Report Date : **September 21, 2006**

00061241

Sample Number: **L0608643-02**
 Client ID: **06SB01-02**
 Matrix: **Soil**
 Workgroup Number: **W6221361**
 Collect Date: **08/29/2006 15:30**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **09/01/2006 17:15**
 Cal Date: **08/30/2006 20:05**
 Run Date: **09/01/2006 17:15**
 File ID: **11M36021**
 Percent Solid: **92.3**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Chloroform	67-66-3		U	5.56	0.556
Chloromethane	74-87-3		U	11.1	2.23
2-Chlorotoluene	95-49-8		U	5.56	0.556
4-Chlorotoluene	106-43-4		U	5.56	0.556
1,2-Dibromo-3-chloropropane	96-12-8		U	5.56	2.23
1,2-Dibromoethane	106-93-4		U	5.56	0.556
Dibromomethane	74-95-3		U	5.56	0.556
1,2-Dichlorobenzene	95-50-1		U	5.56	0.556
1,3-Dichlorobenzene	541-73-1		U	5.56	0.556
1,4-Dichlorobenzene	106-46-7		U	5.56	0.556
Dichlorodifluoromethane	75-71-8		U	11.1	1.11
1,1-Dichloroethane	75-34-3		U	5.56	1.11
1,2-Dichloroethane	107-06-2		U	5.56	0.556
1,1-Dichloroethene	75-35-4		U	5.56	0.556
cis-1,2-Dichloroethene	156-59-2		U	5.56	0.556
trans-1,2-Dichloroethene	156-60-5		U	5.56	0.556
1,2-Dichloropropane	78-87-5		U	5.56	0.556
1,3-Dichloropropane	142-28-9		U	5.56	0.556
2,2-Dichloropropane	594-20-7		U	5.56	0.556
cis-1,3-Dichloropropene	10061-01-5		U	5.56	0.556
trans-1,3-Dichloropropene	10061-02-6		U	5.56	0.556
1,1-Dichloropropene	563-58-6		U	5.56	0.556
Ethylbenzene	100-41-4		U	5.56	0.556
2-Hexanone	591-78-6	3.17	J	11.1	2.78
Hexachlorobutadiene	87-68-3		U	5.56	0.556
Isopropylbenzene	98-82-8		U	5.56	0.556
p-Isopropyltoluene	99-87-6		U	5.56	0.556
4-Methyl-2-pentanone	108-10-1		U	11.1	2.78
Methylene chloride	75-09-2		U	5.56	1.11
Naphthalene	91-20-3	0.884	J	11.1	0.556
n-Propylbenzene	103-65-1		U	5.56	0.556
Styrene	100-42-5		U	5.56	0.556
1,1,1,2-Tetrachloroethane	630-20-6		U	5.56	0.556
1,1,2,2-Tetrachloroethane	79-34-5		U	5.56	0.556
Tetrachloroethene	127-18-4		U	5.56	0.556
Toluene	108-88-3		U	5.56	0.556
1,2,3-Trichlorobenzene	87-61-6		U	5.56	0.556
1,2,4-Trichlorobenzene	120-82-1		U	5.56	0.556
1,1,1-Trichloroethane	71-55-6		U	5.56	0.556
1,1,2-Trichloroethane	79-00-5		U	5.56	0.556
Trichloroethene	79-01-6	1.43	J	5.56	0.556
Trichlorofluoromethane	75-69-4		U	11.1	1.11
1,2,3-Trichloropropane	96-18-4		U	5.56	1.11
1,2,4-Trimethylbenzene	95-63-6		U	5.56	0.556
1,3,5-Trimethylbenzene	108-67-8		U	5.56	0.556
Vinyl acetate	108-05-4		U	11.1	1.11
Vinyl chloride	75-01-4		U	11.1	1.11
o-Xylene	95-47-6		U	5.56	0.556

Report Number: L0608643

Report Date : September 21, 2006

00061242

Sample Number: L0608643-02
 Client ID: 06SB01-02
 Matrix: Soil
 Workgroup Number: WG221361
 Collect Date: 08/29/2006 15:30
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/kg

Instrument: HPMS11
 Prep Date: 09/01/2006 17:15
 Cal Date: 08/30/2006 20:05
 Run Date: 09/01/2006 17:15
 File ID: 11M36021
 Percent Solid: 92.3

Analyte	CAS. Number	Result	Qual	PQL	SQL
m-,p-Xylene	136777-61-2		U	5.56	0.556
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	95.9	80	120		
1,2-Dichloroethane-d4	94.9	80	120		
Toluene-d8	110	81	117		
4-Bromofluorobenzene	113	74	121		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0608643-02
 Client ID: 06SB01-02
 Matrix: Soil
 Workgroup Number: WG221796
 Collect Date: 08/29/2006 15:30
 Sample Tag: DL01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT
 Dilution: 20
 Units: ug/kg

Instrument: HPMS5
 Prep Date: 09/01/2006 08:30
 Cal Date: 09/05/2006 12:08
 Run Date: 09/08/2006 19:09
 File ID: 5M42166
 Percent Solid: 92.3

Analyte	CAS. Number	Result	Qual	PQL	SQL
Phenol	108-95-2		U	3540	1770
Bis(2-Chloroethyl)ether	111-44-4		U	3540	1770
2-Chlorophenol	95-57-8		U	3540	1770
1,3-Dichlorobenzene	541-73-1		U	3540	1770
1,4-Dichlorobenzene	106-46-7		U	3540	1770
Benzyl alcohol	100-51-6		U	3540	1770
1,2-Dichlorobenzene	95-50-1		U	3540	1770
2-Methylphenol	95-48-7		U	3540	1770
3-,4-Methylphenol	106-44-5		U	3540	1770
bis(2-Chloroisopropyl)ether	39638-32-9		U	3540	1770
N-Nitrosodipropylamine	621-64-7		U	3540	1770
Hexachloroethane	67-72-1		U	3540	1770
Nitrobenzene	98-95-3		U	3540	1770
Isophorone	78-59-1		U	3540	1770
2-Nitrophenol	88-75-5		U	3540	1770
2,4-Dimethylphenol	105-67-9		U	3540	1770
Benzoic acid	65-85-0		U	17700	7090
Bis(2-Chloroethoxy)Methane	111-91-1		U	3540	1770
2,4-Dichlorophenol	120-83-2		U	3540	1770
1,2,4-Trichlorobenzene	120-82-1		U	3540	1770
Naphthalene	91-20-3		U	3540	1770
4-Chloroaniline	106-47-8		U	3540	1770
Hexachlorobutadiene	87-68-3		U	3540	1770
4-Chloro-3-methylphenol	59-50-7		U	3540	1770
2-Methylnaphthalene	91-57-6		U	3540	1770
Hexachlorocyclopentadiene	77-47-4		U	3540	1770
2,4,6-Trichlorophenol	88-06-2		U	3540	1770
2,4,5-Trichlorophenol	95-95-4		U	3540	1770
2-Chloronaphthalene	91-58-7		U	3540	1770
2-Nitroaniline	88-74-4		U	17700	7090
Dimethylphthalate	131-11-3		U	3540	1770

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061243

Sample Number: **L0608643-02**
 Client ID: **06SB01-02**
 Matrix: **Soil**
 Workgroup Number: **W6221796**
 Collect Date: **08/29/2006 15:30**
 Sample Tag: **DL01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **20**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/08/2006 19:09**
 File ID: **5M42166**
 Percent Solid: **92.3**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Acenaphthylene	208-96-8		U	3540	1770
2,6-Dinitrotoluene	606-20-2		U	3540	1770
3-Nitroaniline	99-09-2		U	17700	7090
Acenaphthene	83-32-9		U	3540	1770
2,4-Dinitrophenol	51-28-5		U	17700	7090
4-Nitrophenol	100-02-7		U	17700	7090
Dibenzofuran	132-64-9		U	3540	1770
2,4-Dinitrotoluene	121-14-2		U	3540	1770
Diethylphthalate	84-66-2		U	3540	1770
4-Chlorophenyl-phenyl ether	7005-72-3		U	3540	1770
Fluorene	86-73-7		U	3540	1770
4-Nitroaniline	100-01-6		U	17700	7090
4,6-Dinitro-2-methylphenol	534-52-1		U	17700	7090
N-Nitrosodiphenylamine	86-30-6		U	3540	1770
4-Bromophenyl-phenylether	101-55-3		U	3540	1770
Hexachlorobenzene	118-74-1		U	3540	1770
Pentachlorophenol	87-86-5		U	17700	7090
Phenanthrene	85-01-8		U	3540	1770
Anthracene	120-12-7		U	3540	1770
Di-N-Butylphthalate	84-74-2		U	3540	1770
Fluoranthene	206-44-0		U	3540	1770
Pyrene	129-00-0		U	3540	1770
Butylbenzylphthalate	85-68-7		U	3540	1770
3,3'-Dichlorobenzidine	91-94-1		U	7090	3540
Benzo(a)anthracene	56-55-3		U	3540	1770
Chrysene	218-01-9		U	3540	1770
bis(2-Ethylhexyl)phthalate	117-81-7		U	3540	1770
Di-n-octylphthalate	117-84-0		U	3540	1770
Benzo(b)fluoranthene	205-99-2		U	3540	1770
Benzo(k)fluoranthene	207-08-9		U	3540	1770
Benzo(a)pyrene	50-32-8		U	3540	1770
Indeno(1,2,3-cd)pyrene	193-39-5		U	3540	1770
Dibenzo(a,h)Anthracene	53-70-3		U	3540	1770
Benzo(g,h,i)Perylene	191-24-2		U	3540	1770
Surrogate	% Recovery	Lower	Upper	Qual	
2-Fluorophenol	30.1	25	121		
Phenol-d5	53.9	24	113		
Nitrobenzene-d5	60.5	23	120		
2-Fluorobiphenyl	79.5	30	115		
2,4,6-Tribromophenol	108	19	122		
p-Terphenyl-d14	85.7	18	137		

U Not detected at or above adjusted sample detection limit

Report Number: **L0608643**Report Date : **September 21, 2006**

00061244

Sample Number: **L0608643-02**
 Client ID: **06SB01-02**
 Matrix: **Soil**
 Workgroup Number: **WG221609**
 Collect Date: **08/29/2006 15:30**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **8330**
 Analyst: **JLS**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HPLC4**
 Prep Date: **08/31/2006 08:00**
 Cal Date: **08/10/2006 19:30**
 Run Date: **09/06/2006 15:09**
 File ID: **4L009120.F**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,3,5-Trinitrobenzene	99-35-4		U	0.245	0.0980
1,3-Dinitrobenzene	99-65-0		U	0.245	0.0980
2,4,6-Trinitrotoluene	118-96-7		U	0.245	0.0980
2,4-Dinitrotoluene	121-14-2		U	0.245	0.0980
2,6-Dinitrotoluene	606-20-2		U	0.255	0.0980
2-Amino-4,6-dinitrotoluene	35572-78-2		U	0.255	0.0980
2-Nitrotoluene	88-72-2		U	0.245	0.0980
3-Nitrotoluene	99-08-1		U	0.245	0.0980
4-Nitrotoluene	99-99-0		U	0.245	0.0980
4-Amino-2,6-dinitrotoluene	19406-51-0		U	0.255	0.0980
HMX	2691-41-0		U	2.16	0.0980
Nitrobenzene	98-95-3		U	0.255	0.127
RDX	121-82-4		U	0.980	0.0980
Tetryl	479-45-8		U	0.637	0.196
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	89.1	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-02**
 Client ID: **06SB01-02**
 Matrix: **Soil**
 Workgroup Number: **WG221485**
 Collect Date: **08/29/2006 15:30**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **09/05/2006 09:40**
 Cal Date:
 Run Date: **09/05/2006 09:40**
 File ID: **OV.0609050940-02**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	92.3		1.00	1.00

Sample Number: **L0608643-02**
 Client ID: **06SB01-02**
 Matrix: **Soil**
 Workgroup Number: **WG221525**
 Collect Date: **08/29/2006 15:30**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **HAV**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **09/05/2006 12:00**
 Cal Date: **09/11/2006 20:33**
 Run Date: **09/11/2006 23:54**
 File ID: **14G9196**
 Percent Solid: **92.3**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	53.3	26.7
Carbon Range C12-C28		48.6	J	53.3	26.7
Carbon Range C28-C35		91.1		53.3	26.7
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	109	31	130		
o-Terphenyl	114	70	130		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: **L0608643**Report Date : **September 21, 2006**

00061245

Sample Number: **L0608643-03**
 Client ID: **06SB02-01**
 Matrix: **Soil**
 Workgroup Number: **W6221361**
 Collect Date: **08/29/2006 15:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **09/01/2006 17:45**
 Cal Date: **08/30/2006 20:05**
 Run Date: **09/01/2006 17:45**
 File ID: **11M36022**
 Percent Solid: **85.7**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Acetone	67-64-1		U	10.3	5.14
Benzene	71-43-2		U	5.14	0.514
Bromobenzene	108-86-1		U	5.14	0.514
Bromochloromethane	74-97-5		U	5.14	0.514
Bromodichloromethane	75-27-4		U	5.14	0.514
Bromoform	75-25-2		U	5.14	0.514
Bromomethane	74-83-9		U	10.3	1.03
2-Butanone	78-93-3		U	10.3	2.57
n-Butylbenzene	104-51-8		U	5.14	0.514
sec-Butylbenzene	135-98-8		U	5.14	0.514
tert-Butylbenzene	98-06-6		U	5.14	0.514
Carbon disulfide	75-15-0		U	5.14	0.514
Carbon tetrachloride	56-23-5		U	5.14	0.514
Chlorobenzene	108-90-7		U	5.14	0.514
Chlorodibromomethane	124-48-1		U	5.14	0.514
Chloroethane	75-00-3		U	10.3	1.03
2-Chloroethyl vinyl ether	110-75-8		U	10.3	2.05
Chloroform	67-66-3		U	5.14	0.514
Chloromethane	74-87-3		U	10.3	2.05
2-Chlorotoluene	95-49-8		U	5.14	0.514
4-Chlorotoluene	106-43-4		U	5.14	0.514
1,2-Dibromo-3-chloropropane	96-12-8		U	5.14	2.05
1,2-Dibromoethane	106-93-4		U	5.14	0.514
Dibromomethane	74-95-3		U	5.14	0.514
1,2-Dichlorobenzene	95-50-1		U	5.14	0.514
1,3-Dichlorobenzene	541-73-1		U	5.14	0.514
1,4-Dichlorobenzene	106-46-7		U	5.14	0.514
Dichlorodifluoromethane	75-71-8		U	10.3	1.03
1,1-Dichloroethane	75-34-3		U	5.14	1.03
1,2-Dichloroethane	107-06-2		U	5.14	0.514
1,1-Dichloroethene	75-35-4		U	5.14	0.514
cis-1,2-Dichloroethene	156-59-2		U	5.14	0.514
trans-1,2-Dichloroethene	156-60-5		U	5.14	0.514
1,2-Dichloropropane	78-87-5		U	5.14	0.514
1,3-Dichloropropane	142-28-9		U	5.14	0.514
2,2-Dichloropropane	594-20-7		U	5.14	0.514
cis-1,3-Dichloropropene	10061-01-5		U	5.14	0.514
trans-1,3-Dichloropropene	10061-02-6		U	5.14	0.514
1,1-Dichloropropene	563-58-6		U	5.14	0.514
Ethylbenzene	100-41-4		U	5.14	0.514
2-Hexanone	591-78-6		U	10.3	2.57
Hexachlorobutadiene	87-68-3		U	5.14	0.514
Isopropylbenzene	98-82-8		U	5.14	0.514
p-Isopropyltoluene	99-87-6		U	5.14	0.514
4-Methyl-2-pentanone	108-10-1		U	10.3	2.57
Methylene chloride	75-09-2		U	5.14	1.03
Naphthalene	91-20-3		U	10.3	0.514
n-Propylbenzene	103-65-1		U	5.14	0.514

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061246

Sample Number: **L0608643-03**
 Client ID: **06SB02-01**
 Matrix: **Soil**
 Workgroup Number: **WG221361**
 Collect Date: **08/29/2006 15:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **09/01/2006 17:45**
 Cal Date: **08/30/2006 20:05**
 Run Date: **09/01/2006 17:45**
 File ID: **11M36022**
 Percent Solid: **85.7**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Styrene	100-42-5		U	5.14	0.514
1,1,1,2-Tetrachloroethane	630-20-6		U	5.14	0.514
1,1,2,2-Tetrachloroethane	79-34-5		U	5.14	0.514
Tetrachloroethene	127-18-4		U	5.14	0.514
Toluene	108-88-3		U	5.14	0.514
1,2,3-Trichlorobenzene	87-61-6		U	5.14	0.514
1,2,4-Trichlorobenzene	120-82-1		U	5.14	0.514
1,1,1-Trichloroethane	71-55-6		U	5.14	0.514
1,1,2-Trichloroethane	79-00-5		U	5.14	0.514
Trichloroethene	79-01-6		U	5.14	0.514
Trichlorofluoromethane	75-69-4		U	10.3	1.03
1,2,3-Trichloropropane	96-18-4		U	5.14	1.03
1,2,4-Trimethylbenzene	95-63-6		U	5.14	0.514
1,3,5-Trimethylbenzene	108-67-8		U	5.14	0.514
Vinyl acetate	108-05-4		U	10.3	1.03
Vinyl chloride	75-01-4		U	10.3	1.03
o-Xylene	95-47-6		U	5.14	0.514
m-,p-Xylene	136777-61-2		U	5.14	0.514
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	95.1	80	120		
1,2-Dichloroethane-d4	95.9	80	120		
Toluene-d8	105	81	117		
4-Bromofluorobenzene	104	74	121		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-03**
 Client ID: **06SB02-01**
 Matrix: **Soil**
 Workgroup Number: **WG221796**
 Collect Date: **08/29/2006 15:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/07/2006 23:23**
 File ID: **5M42138**
 Percent Solid: **85.7**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Phenol	108-95-2		U	191	95.6
Bis(2-Chloroethyl)ether	111-44-4		U	191	95.6
2-Chlorophenol	95-57-8		U	191	95.6
1,3-Dichlorobenzene	541-73-1		U	191	95.6
1,4-Dichlorobenzene	106-46-7		U	191	95.6
Benzyl alcohol	100-51-6		U	191	95.6
1,2-Dichlorobenzene	95-50-1		U	191	95.6
2-Methylphenol	95-48-7		U	191	95.6
3-,4-Methylphenol	106-44-5		U	191	95.6
bis(2-Chloroisopropyl)ether	39638-32-9		U	191	95.6
N-Nitrosodipropylamine	621-64-7		U	191	95.6
Hexachloroethane	67-72-1		U	191	95.6
Nitrobenzene	98-95-3		U	191	95.6
Isophorone	78-59-1		U	191	95.6
2-Nitrophenol	88-75-5		U	191	95.6

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Report Number: L0608643

Report Date : September 21, 2006

00061247

Sample Number: L0608643-03
 Client ID: 06SB02-01
 Matrix: Soil
 Workgroup Number: W6221796
 Collect Date: 08/29/2006 15:40
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT
 Dilution: 1
 Units: ug/kg

Instrument: HPMS5
 Prep Date: 09/01/2006 08:30
 Cal Date: 09/05/2006 12:08
 Run Date: 09/07/2006 23:23
 File ID: 5M42138
 Percent Solid: 85.7

Analyte	CAS. Number	Result	Qual	PQL	SQL
2,4-Dimethylphenol	105-67-9		U	191	95.6
Benzoic acid	65-85-0		U	956	382
Bis(2-Chloroethoxy)Methane	111-91-1		U	191	95.6
2,4-Dichlorophenol	120-83-2		U	191	95.6
1,2,4-Trichlorobenzene	120-82-1		U	191	95.6
Naphthalene	91-20-3		U	191	95.6
4-Chloroaniline	106-47-8		U	191	95.6
Hexachlorobutadiene	87-68-3		U	191	95.6
4-Chloro-3-methylphenol	59-50-7		U	191	95.6
2-Methylnaphthalene	91-57-6		U	191	95.6
Hexachlorocyclopentadiene	77-47-4		U	191	95.6
2,4,6-Trichlorophenol	88-06-2		U	191	95.6
2,4,5-Trichlorophenol	95-95-4		U	191	95.6
2-Chloronaphthalene	91-58-7		U	191	95.6
2-Nitroaniline	88-74-4		U	956	382
Dimethylphthalate	131-11-3		U	191	95.6
Acenaphthylene	208-96-8		U	191	95.6
2,6-Dinitrotoluene	606-20-2		U	191	95.6
3-Nitroaniline	99-09-2		U	956	382
Acenaphthene	83-32-9		U	191	95.6
2,4-Dinitrophenol	51-28-5		U	956	382
4-Nitrophenol	100-02-7		U	956	382
Dibenzofuran	132-64-9		U	191	95.6
2,4-Dinitrotoluene	121-14-2		U	191	95.6
Diethylphthalate	84-66-2		U	191	95.6
4-Chlorophenyl-phenyl ether	7005-72-3		U	191	95.6
Fluorene	86-73-7		U	191	95.6
4-Nitroaniline	100-01-6		U	956	382
4,6-Dinitro-2-methylphenol	534-52-1		U	956	382
N-Nitrosodiphenylamine	86-30-6		U	191	95.6
4-Bromophenyl-phenylether	101-55-3		U	191	95.6
Hexachlorobenzene	118-74-1		U	191	95.6
Pentachlorophenol	87-86-5		U	956	382
Phenanthrene	85-01-8		U	191	95.6
Anthracene	120-12-7		U	191	95.6
Di-N-Butylphthalate	84-74-2		U	191	95.6
Fluoranthene	206-44-0		U	191	95.6
Pyrene	129-00-0		U	191	95.6
Butylbenzylphthalate	85-68-7		U	191	95.6
3,3'-Dichlorobenzidine	91-94-1		U	382	191
Benzo(a)anthracene	56-55-3		U	191	95.6
Chrysene	218-01-9		U	191	95.6
bis(2-Ethylhexyl)phthalate	117-81-7		U	191	95.6
Di-n-octylphthalate	117-84-0		U	191	95.6
Benzo(b)fluoranthene	205-99-2		U	191	95.6
Benzo(k)fluoranthene	207-08-9		U	191	95.6
Benzo(a)pyrene	50-32-8		U	191	95.6
Indeno(1,2,3-cd)pyrene	193-39-5		U	191	95.6

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061248

Sample Number: **L0608643-03**
 Client ID: **06SB02-01**
 Matrix: **Soil**
 Workgroup Number: **W6221796**
 Collect Date: **08/29/2006 15:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/07/2006 23:23**
 File ID: **5M42138**
 Percent Solid: **85.7**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Dibenzo(a,h)Anthracene	53-70-3		U	191	95.6
Benzo(g,h,i)Perylene	191-24-2		U	191	95.6
Surrogate	% Recovery	Lower	Upper	Qual	
2-Fluorophenol	37.3	25	121		
Phenol-d5	48.9	24	113		
Nitrobenzene-d5	47.5	23	120		
2-Fluorobiphenyl	49.3	30	115		
2,4,6-Tribromophenol	50.3	19	122		
p-Terphenyl-d14	84.1	18	137		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-03**
 Client ID: **06SB02-01**
 Matrix: **Soil**
 Workgroup Number: **W6221609**
 Collect Date: **08/29/2006 15:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **8330**
 Analyst: **JLS**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HPLC4**
 Prep Date: **08/31/2006 08:00**
 Cal Date: **08/10/2006 19:30**
 Run Date: **09/06/2006 15:47**
 File ID: **4L009121.F**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,3,5-Trinitrobenzene	99-35-4		U	0.242	0.0966
1,3-Dinitrobenzene	99-65-0		U	0.242	0.0966
2,4,6-Trinitrotoluene	118-96-7		U	0.242	0.0966
2,4-Dinitrotoluene	121-14-2		U	0.242	0.0966
2,6-Dinitrotoluene	606-20-2		U	0.251	0.0966
2-Amino-4,6-dinitrotoluene	35572-78-2		U	0.251	0.0966
2-Nitrotoluene	88-72-2		U	0.242	0.0966
3-Nitrotoluene	99-08-1		U	0.242	0.0966
4-Nitrotoluene	99-99-0		U	0.242	0.0966
4-Amino-2,6-dinitrotoluene	19406-51-0		U	0.251	0.0966
HMX	2691-41-0		U	2.13	0.0966
Nitrobenzene	98-95-3		U	0.251	0.126
RDX	121-82-4		U	0.966	0.0966
Tetryl	479-45-8		U	0.628	0.193
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	94.4	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: **L0608643**Report Date : **September 21, 2006**

00061249

Sample Number: **L0608643-03**
 Client ID: **06SB02-01**
 Matrix: **Soil**
 Workgroup Number: **WG221485**
 Collect Date: **08/29/2006 15:40**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **09/05/2006 09:40**
 Cal Date:
 Run Date: **09/05/2006 09:40**
 File ID: **OV.0609050940-03**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	85.7		1.00	1.00

Sample Number: **L0608643-03**
 Client ID: **06SB02-01**
 Matrix: **Soil**
 Workgroup Number: **WG221525**
 Collect Date: **08/29/2006 15:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **HAV**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **09/05/2006 12:00**
 Cal Date: **09/11/2006 20:33**
 Run Date: **09/12/2006 00:34**
 File ID: **1469197**
 Percent Solid: **85.7**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	57.4	28.7
Carbon Range C12-C28		59.6		57.4	28.7
Carbon Range C28-C35		64.8		57.4	28.7
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	107	31	130		
o-Terphenyl	115	70	130		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-04**
 Client ID: **06SB02-02**
 Matrix: **Soil**
 Workgroup Number: **WG221361**
 Collect Date: **08/29/2006 15:45**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **09/01/2006 18:15**
 Cal Date: **08/30/2006 20:05**
 Run Date: **09/01/2006 18:15**
 File ID: **11M36023**
 Percent Solid: **85.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Acetone	67-64-1		U	10.9	5.44
Benzene	71-43-2		U	5.44	0.544
Bromobenzene	108-86-1		U	5.44	0.544
Bromochloromethane	74-97-5		U	5.44	0.544
Bromodichloromethane	75-27-4		U	5.44	0.544
Bromoform	75-25-2		U	5.44	0.544
Bromomethane	74-83-9		U	10.9	1.09
2-Butanone	78-93-3		U	10.9	2.72
n-Butylbenzene	104-51-8		U	5.44	0.544
sec-Butylbenzene	135-98-8		U	5.44	0.544
tert-Butylbenzene	98-06-6		U	5.44	0.544
Carbon disulfide	75-15-0		U	5.44	0.544
Carbon tetrachloride	56-23-5		U	5.44	0.544
Chlorobenzene	108-90-7		U	5.44	0.544
Chlorodibromomethane	124-48-1		U	5.44	0.544
Chloroethane	75-00-3		U	10.9	1.09
2-Chloroethyl vinyl ether	110-75-8		U	10.9	2.18
Chloroform	67-66-3		U	5.44	0.544

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Report Number: L0608643

Report Date : September 21, 2006

00061250

Sample Number: L0608643-04
 Client ID: 06SB02-02
 Matrix: Soil
 Workgroup Number: W6221361
 Collect Date: 08/29/2006 15:45
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/kg

Instrument: HPMS11
 Prep Date: 09/01/2006 18:15
 Cal Date: 08/30/2006 20:05
 Run Date: 09/01/2006 18:15
 File ID: 11M36023
 Percent Solid: 85.9

Analyte	CAS. Number	Result	Qual	PQL	SQL
Chloromethane	74-87-3		U	10.9	2.18
2-Chlorotoluene	95-49-8		U	5.44	0.544
4-Chlorotoluene	106-43-4		U	5.44	0.544
1,2-Dibromo-3-chloropropane	96-12-8		U	5.44	2.18
1,2-Dibromoethane	106-93-4		U	5.44	0.544
Dibromomethane	74-95-3		U	5.44	0.544
1,2-Dichlorobenzene	95-50-1		U	5.44	0.544
1,3-Dichlorobenzene	541-73-1		U	5.44	0.544
1,4-Dichlorobenzene	106-46-7		U	5.44	0.544
Dichlorodifluoromethane	75-71-8		U	10.9	1.09
1,1-Dichloroethane	75-34-3		U	5.44	1.09
1,2-Dichloroethane	107-06-2		U	5.44	0.544
1,1-Dichloroethene	75-35-4		U	5.44	0.544
cis-1,2-Dichloroethene	156-59-2		U	5.44	0.544
trans-1,2-Dichloroethene	156-60-5		U	5.44	0.544
1,2-Dichloropropane	78-87-5		U	5.44	0.544
1,3-Dichloropropane	142-28-9		U	5.44	0.544
2,2-Dichloropropane	594-20-7		U	5.44	0.544
cis-1,3-Dichloropropene	10061-01-5		U	5.44	0.544
trans-1,3-Dichloropropene	10061-02-6		U	5.44	0.544
1,1-Dichloropropene	563-58-6		U	5.44	0.544
Ethylbenzene	100-41-4		U	5.44	0.544
2-Hexanone	591-78-6		U	10.9	2.72
Hexachlorobutadiene	87-68-3		U	5.44	0.544
Isopropylbenzene	98-82-8		U	5.44	0.544
p-Isopropyltoluene	99-87-6		U	5.44	0.544
4-Methyl-2-pentanone	108-10-1		U	10.9	2.72
Methylene chloride	75-09-2		U	5.44	1.09
Naphthalene	91-20-3		U	10.9	0.544
n-Propylbenzene	103-65-1		U	5.44	0.544
Styrene	100-42-5		U	5.44	0.544
1,1,1,2-Tetrachloroethane	630-20-6		U	5.44	0.544
1,1,2,2-Tetrachloroethane	79-34-5		U	5.44	0.544
Tetrachloroethene	127-18-4		U	5.44	0.544
Toluene	108-88-3	0.722	J	5.44	0.544
1,2,3-Trichlorobenzene	87-61-6		U	5.44	0.544
1,2,4-Trichlorobenzene	120-82-1		U	5.44	0.544
1,1,1-Trichloroethane	71-55-6		U	5.44	0.544
1,1,2-Trichloroethane	79-00-5		U	5.44	0.544
Trichloroethene	79-01-6		U	5.44	0.544
Trichlorofluoromethane	75-69-4		U	10.9	1.09
1,2,3-Trichloropropane	96-18-4		U	5.44	1.09
1,2,4-Trimethylbenzene	95-63-6		U	5.44	0.544
1,3,5-Trimethylbenzene	108-67-8		U	5.44	0.544
Vinyl acetate	108-05-4		U	10.9	1.09
Vinyl chloride	75-01-4		U	10.9	1.09
o-Xylene	95-47-6		U	5.44	0.544
m-, p-Xylene	136777-61-2		U	5.44	0.544

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061251

Sample Number: **L0608643-04**
 Client ID: **06SB02-02**
 Matrix: **Soil**
 Workgroup Number: **W6221361**
 Collect Date: **08/29/2006 15:45**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **09/01/2006 18:15**
 Cal Date: **08/30/2006 20:05**
 Run Date: **09/01/2006 18:15**
 File ID: **11M36023**
 Percent Solid: **85.9**

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	97.7	80	120	
1,2-Dichloroethane-d4	97.5	80	120	
Toluene-d8	104	81	117	
4-Bromofluorobenzene	104	74	121	

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-04**
 Client ID: **06SB02-02**
 Matrix: **Soil**
 Workgroup Number: **W6221796**
 Collect Date: **08/29/2006 15:45**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/07/2006 18:59**
 File ID: **5M42130**
 Percent Solid: **85.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Phenol	108-95-2		U	191	95.5
Bis(2-Chloroethyl)ether	111-44-4		U	191	95.5
2-Chlorophenol	95-57-8		U	191	95.5
1,3-Dichlorobenzene	541-73-1		U	191	95.5
1,4-Dichlorobenzene	106-46-7		U	191	95.5
Benzyl alcohol	100-51-6		U	191	95.5
1,2-Dichlorobenzene	95-50-1		U	191	95.5
2-Methylphenol	95-48-7		U	191	95.5
3-,4-Methylphenol	106-44-5		U	191	95.5
bis(2-Chloroisopropyl)ether	39638-32-9		U	191	95.5
N-Nitrosodipropylamine	621-64-7		U	191	95.5
Hexachloroethane	67-72-1		U	191	95.5
Nitrobenzene	98-95-3		U	191	95.5
Isophorone	78-59-1		U	191	95.5
2-Nitrophenol	88-75-5		U	191	95.5
2,4-Dimethylphenol	105-67-9		U	191	95.5
Benzoic acid	65-85-0		U	955	382
Bis(2-Chloroethoxy)Methane	111-91-1		U	191	95.5
2,4-Dichlorophenol	120-83-2		U	191	95.5
1,2,4-Trichlorobenzene	120-82-1		U	191	95.5
Naphthalene	91-20-3		U	191	95.5
4-Chloroaniline	106-47-8		U	191	95.5
Hexachlorobutadiene	87-68-3		U	191	95.5
4-Chloro-3-methylphenol	59-50-7		U	191	95.5
2-Methylnaphthalene	91-57-6		U	191	95.5
Hexachlorocyclopentadiene	77-47-4		U	191	95.5
2,4,6-Trichlorophenol	88-06-2		U	191	95.5
2,4,5-Trichlorophenol	95-95-4		U	191	95.5
2-Chloronaphthalene	91-58-7		U	191	95.5
2-Nitroaniline	88-74-4		U	955	382
Dimethylphthalate	131-11-3		U	191	95.5
Acenaphthylene	208-96-8		U	191	95.5
2,6-Dinitrotoluene	606-20-2		U	191	95.5

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Report Number: L0608643

Report Date : September 21, 2006

00061252

Sample Number: L0608643-04
 Client ID: 06SB02-02
 Matrix: Soil
 Workgroup Number: W6221796
 Collect Date: 08/29/2006 15:45
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT
 Dilution: 1
 Units: ug/kg

Instrument: HPMS5
 Prep Date: 09/01/2006 08:30
 Cal Date: 09/05/2006 12:08
 Run Date: 09/07/2006 18:59
 File ID: 5M42130
 Percent Solid: 85.9

Analyte	CAS. Number	Result	Qual	PQL	SQL
3-Nitroaniline	99-09-2		U	955	382
Acenaphthene	83-32-9		U	191	95.5
2,4-Dinitrophenol	51-28-5		U	955	382
4-Nitrophenol	100-02-7		U	955	382
Dibenzofuran	132-64-9		U	191	95.5
2,4-Dinitrotoluene	121-14-2		U	191	95.5
Diethylphthalate	84-66-2		U	191	95.5
4-Chlorophenyl-phenyl ether	7005-72-3		U	191	95.5
Fluorene	86-73-7		U	191	95.5
4-Nitroaniline	100-01-6		U	955	382
4,6-Dinitro-2-methylphenol	534-52-1		U	955	382
N-Nitrosodiphenylamine	86-30-6		U	191	95.5
4-Bromophenyl-phenylether	101-55-3		U	191	95.5
Hexachlorobenzene	118-74-1		U	191	95.5
Pentachlorophenol	87-86-5		U	955	382
Phenanthrene	85-01-8		U	191	95.5
Anthracene	120-12-7		U	191	95.5
Di-N-Butylphthalate	84-74-2		U	191	95.5
Fluoranthene	206-44-0		U	191	95.5
Pyrene	129-00-0		U	191	95.5
Butylbenzylphthalate	85-68-7		U	191	95.5
3,3'-Dichlorobenzidine	91-94-1		U	382	191
Benzo(a)anthracene	56-55-3		U	191	95.5
Chrysene	218-01-9		U	191	95.5
bis(2-Ethylhexyl)phthalate	117-81-7		U	191	95.5
Di-n-octylphthalate	117-84-0		U	191	95.5
Benzo(b)fluoranthene	205-99-2		U	191	95.5
Benzo(k)fluoranthene	207-08-9		U	191	95.5
Benzo(a)pyrene	50-32-8		U	191	95.5
Indeno(1,2,3-cd)pyrene	193-39-5		U	191	95.5
Dibenzo(a,h)Anthracene	53-70-3		U	191	95.5
Benzo(g,h,i)Perylene	191-24-2		U	191	95.5
Surrogate	% Recovery	Lower	Upper	Qual	
2-Fluorophenol	52.9	25	121		
Phenol-d5	63.5	24	113		
Nitrobenzene-d5	61.7	23	120		
2-Fluorobiphenyl	61.6	30	115		
2,4,6-Tribromophenol	37.8	19	122		
p-Terphenyl-d14	111	18	137		

U Not detected at or above adjusted sample detection limit

Report Number: **L0608643**Report Date : **September 21, 2006**

00061253

Sample Number: **L0608643-04**
 Client ID: **06SB02-02**
 Matrix: **Soil**
 Workgroup Number: **WG221609**
 Collect Date: **08/29/2006 15:45**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **8330**
 Analyst: **JLS**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HPLC4**
 Prep Date: **08/31/2006 08:00**
 Cal Date: **08/10/2006 19:30**
 Run Date: **09/06/2006 16:24**
 File ID: **4L009122.F**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,3,5-Trinitrobenzene	99-35-4		U	0.244	0.0976
1,3-Dinitrobenzene	99-65-0		U	0.244	0.0976
2,4,6-Trinitrotoluene	118-96-7		U	0.244	0.0976
2,4-Dinitrotoluene	121-14-2		U	0.244	0.0976
2,6-Dinitrotoluene	606-20-2		U	0.254	0.0976
2-Amino-4,6-dinitrotoluene	35572-78-2		U	0.254	0.0976
2-Nitrotoluene	88-72-2		U	0.244	0.0976
3-Nitrotoluene	99-08-1		U	0.244	0.0976
4-Nitrotoluene	99-99-0		U	0.244	0.0976
4-Amino-2,6-dinitrotoluene	19406-51-0		U	0.254	0.0976
HMX	2691-41-0		U	2.15	0.0976
Nitrobenzene	98-95-3		U	0.254	0.127
RDX	121-82-4		U	0.976	0.0976
Tetryl	479-45-8		U	0.634	0.195
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	92.3	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-04**
 Client ID: **06SB02-02**
 Matrix: **Soil**
 Workgroup Number: **WG221485**
 Collect Date: **08/29/2006 15:45**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **09/05/2006 09:40**
 Cal Date:
 Run Date: **09/05/2006 09:40**
 File ID: **OV.0609050940-04**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	85.9		1.00	1.00

Sample Number: **L0608643-04**
 Client ID: **06SB02-02**
 Matrix: **Soil**
 Workgroup Number: **WG221525**
 Collect Date: **08/29/2006 15:45**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **HAV**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **09/05/2006 12:00**
 Cal Date: **09/11/2006 20:33**
 Run Date: **09/12/2006 01:15**
 File ID: **14G9198**
 Percent Solid: **85.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	56.9	28.5
Carbon Range C12-C28		48.8	J	56.9	28.5
Carbon Range C28-C35		53.8	J	56.9	28.5
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	103	31	130		
o-Terphenyl	108	70	130		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061254

Sample Number: **L0608643-05**
 Client ID: **06SB03-01**
 Matrix: **Soil**
 Workgroup Number: **W6221361**
 Collect Date: **08/29/2006 15:50**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **09/01/2006 18:46**
 Cal Date: **08/30/2006 20:05**
 Run Date: **09/01/2006 18:46**
 File ID: **11M36024**
 Percent Solid: **87.7**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Acetone	67-64-1	14.2		9.40	4.70
Benzene	71-43-2		U	4.70	0.470
Bromobenzene	108-86-1		U	4.70	0.470
Bromochloromethane	74-97-5		U	4.70	0.470
Bromodichloromethane	75-27-4		U	4.70	0.470
Bromoform	75-25-2		U	4.70	0.470
Bromomethane	74-83-9		U	9.40	0.940
2-Butanone	78-93-3		U	9.40	2.35
n-Butylbenzene	104-51-8		U	4.70	0.470
sec-Butylbenzene	135-98-8		U	4.70	0.470
tert-Butylbenzene	98-06-6		U	4.70	0.470
Carbon disulfide	75-15-0		U	4.70	0.470
Carbon tetrachloride	56-23-5		U	4.70	0.470
Chlorobenzene	108-90-7		U	4.70	0.470
Chlorodibromomethane	124-48-1		U	4.70	0.470
Chloroethane	75-00-3		U	9.40	0.940
2-Chloroethyl vinyl ether	110-75-8		U	9.40	1.88
Chloroform	67-66-3		U	4.70	0.470
Chloromethane	74-87-3		U	9.40	1.88
2-Chlorotoluene	95-49-8		U	4.70	0.470
4-Chlorotoluene	106-43-4		U	4.70	0.470
1,2-Dibromo-3-chloropropane	96-12-8		U	4.70	1.88
1,2-Dibromoethane	106-93-4		U	4.70	0.470
Dibromomethane	74-95-3		U	4.70	0.470
1,2-Dichlorobenzene	95-50-1		U	4.70	0.470
1,3-Dichlorobenzene	541-73-1		U	4.70	0.470
1,4-Dichlorobenzene	106-46-7		U	4.70	0.470
Dichlorodifluoromethane	75-71-8		U	9.40	0.940
1,1-Dichloroethane	75-34-3		U	4.70	0.940
1,2-Dichloroethane	107-06-2		U	4.70	0.470
1,1-Dichloroethene	75-35-4		U	4.70	0.470
cis-1,2-Dichloroethene	156-59-2		U	4.70	0.470
trans-1,2-Dichloroethene	156-60-5		U	4.70	0.470
1,2-Dichloropropane	78-87-5		U	4.70	0.470
1,3-Dichloropropane	142-28-9		U	4.70	0.470
2,2-Dichloropropane	594-20-7		U	4.70	0.470
cis-1,3-Dichloropropene	10061-01-5		U	4.70	0.470
trans-1,3-Dichloropropene	10061-02-6		U	4.70	0.470
1,1-Dichloropropene	563-58-6		U	4.70	0.470
Ethylbenzene	100-41-4		U	4.70	0.470
2-Hexanone	591-78-6		U	9.40	2.35
Hexachlorobutadiene	87-68-3		U	4.70	0.470
Isopropylbenzene	98-82-8		U	4.70	0.470
p-Isopropyltoluene	99-87-6		U	4.70	0.470
4-Methyl-2-pentanone	108-10-1		U	9.40	2.35
Methylene chloride	75-09-2		U	4.70	0.940
Naphthalene	91-20-3		U	9.40	0.470
n-Propylbenzene	103-65-1		U	4.70	0.470

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061255

Sample Number: **L0608643-05**
 Client ID: **06SB03-01**
 Matrix: **Soil**
 Workgroup Number: **WG221361**
 Collect Date: **08/29/2006 15:50**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **09/01/2006 18:46**
 Cal Date: **08/30/2006 20:05**
 Run Date: **09/01/2006 18:46**
 File ID: **11M36024**
 Percent Solid: **87.7**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Styrene	100-42-5		U	4.70	0.470
1,1,1,2-Tetrachloroethane	630-20-6		U	4.70	0.470
1,1,2,2-Tetrachloroethane	79-34-5		U	4.70	0.470
Tetrachloroethene	127-18-4		U	4.70	0.470
Toluene	108-88-3		U	4.70	0.470
1,2,3-Trichlorobenzene	87-61-6		U	4.70	0.470
1,2,4-Trichlorobenzene	120-82-1		U	4.70	0.470
1,1,1-Trichloroethane	71-55-6		U	4.70	0.470
1,1,2-Trichloroethane	79-00-5		U	4.70	0.470
Trichloroethene	79-01-6		U	4.70	0.470
Trichlorofluoromethane	75-69-4		U	9.40	0.940
1,2,3-Trichloropropane	96-18-4		U	4.70	0.940
1,2,4-Trimethylbenzene	95-63-6		U	4.70	0.470
1,3,5-Trimethylbenzene	108-67-8		U	4.70	0.470
Vinyl acetate	108-05-4		U	9.40	0.940
Vinyl chloride	75-01-4		U	9.40	0.940
o-Xylene	95-47-6		U	4.70	0.470
m-,p-Xylene	136777-61-2		U	4.70	0.470
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	96.6	80	120		
1,2-Dichloroethane-d4	97.6	80	120		
Toluene-d8	91.8	81	117		
4-Bromofluorobenzene	105	74	121		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-05**
 Client ID: **06SB03-01**
 Matrix: **Soil**
 Workgroup Number: **WG221796**
 Collect Date: **08/29/2006 15:50**
 Sample Tag: **DL01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **5**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/08/2006 00:30**
 File ID: **5M42140**
 Percent Solid: **87.7**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Phenol	108-95-2		U	932	466
Bis(2-Chloroethyl)ether	111-44-4		U	932	466
2-Chlorophenol	95-57-8		U	932	466
1,3-Dichlorobenzene	541-73-1		U	932	466
1,4-Dichlorobenzene	106-46-7		U	932	466
Benzyl alcohol	100-51-6		U	932	466
1,2-Dichlorobenzene	95-50-1		U	932	466
2-Methylphenol	95-48-7		U	932	466
3-,4-Methylphenol	106-44-5		U	932	466
bis(2-Chloroisopropyl)ether	39638-32-9		U	932	466
N-Nitrosodipropylamine	621-64-7		U	932	466
Hexachloroethane	67-72-1		U	932	466
Nitrobenzene	98-95-3		U	932	466
Isophorone	78-59-1		U	932	466
2-Nitrophenol	88-75-5		U	932	466

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Report Number: L0608643

Report Date : September 21, 2006

00061256

Sample Number: L0608643-05
 Client ID: 06SB03-01
 Matrix: Soil
 Workgroup Number: W6221796
 Collect Date: 08/29/2006 15:50
 Sample Tag: DL01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT
 Dilution: 5
 Units: ug/kg

Instrument: HPMS5
 Prep Date: 09/01/2006 08:30
 Cal Date: 09/05/2006 12:08
 Run Date: 09/08/2006 00:30
 File ID: 5M42140
 Percent Solid: 87.7

Analyte	CAS. Number	Result	Qual	PQL	SQL
2,4-Dimethylphenol	105-67-9		U	932	466
Benzoic acid	65-85-0		U	4660	1860
Bis(2-Chloroethoxy)Methane	111-91-1		U	932	466
2,4-Dichlorophenol	120-83-2		U	932	466
1,2,4-Trichlorobenzene	120-82-1		U	932	466
Naphthalene	91-20-3		U	932	466
4-Chloroaniline	106-47-8		U	932	466
Hexachlorobutadiene	87-68-3		U	932	466
4-Chloro-3-methylphenol	59-50-7		U	932	466
2-Methylnaphthalene	91-57-6		U	932	466
Hexachlorocyclopentadiene	77-47-4		U	932	466
2,4,6-Trichlorophenol	88-06-2		U	932	466
2,4,5-Trichlorophenol	95-95-4		U	932	466
2-Chloronaphthalene	91-58-7		U	932	466
2-Nitroaniline	88-74-4		U	4660	1860
Dimethylphthalate	131-11-3		U	932	466
Acenaphthylene	208-96-8		U	932	466
2,6-Dinitrotoluene	606-20-2		U	932	466
3-Nitroaniline	99-09-2		U	4660	1860
Acenaphthene	83-32-9		U	932	466
2,4-Dinitrophenol	51-28-5		U	4660	1860
4-Nitrophenol	100-02-7		U	4660	1860
Dibenzofuran	132-64-9		U	932	466
2,4-Dinitrotoluene	121-14-2		U	932	466
Diethylphthalate	84-66-2		U	932	466
4-Chlorophenyl-phenyl ether	7005-72-3		U	932	466
Fluorene	86-73-7		U	932	466
4-Nitroaniline	100-01-6		U	4660	1860
4,6-Dinitro-2-methylphenol	534-52-1		U	4660	1860
N-Nitrosodiphenylamine	86-30-6		U	932	466
4-Bromophenyl-phenylether	101-55-3		U	932	466
Hexachlorobenzene	118-74-1		U	932	466
Pentachlorophenol	87-86-5		U	4660	1860
Phenanthrene	85-01-8		U	932	466
Anthracene	120-12-7		U	932	466
Di-N-Butylphthalate	84-74-2		U	932	466
Fluoranthene	206-44-0		U	932	466
Pyrene	129-00-0		U	932	466
Butylbenzylphthalate	85-68-7		U	932	466
3,3'-Dichlorobenzidine	91-94-1		U	1860	932
Benzo(a)anthracene	56-55-3		U	932	466
Chrysene	218-01-9		U	932	466
bis(2-Ethylhexyl)phthalate	117-81-7		U	932	466
Di-n-octylphthalate	117-84-0		U	932	466
Benzo(b)fluoranthene	205-99-2		U	932	466
Benzo(k)fluoranthene	207-08-9		U	932	466
Benzo(a)pyrene	50-32-8		U	932	466
Indeno(1,2,3-cd)pyrene	193-39-5		U	932	466

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061257

Sample Number: **L0608643-05**
 Client ID: **06SB03-01**
 Matrix: **Soil**
 Workgroup Number: **W6221796**
 Collect Date: **08/29/2006 15:50**
 Sample Tag: **DL01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **5**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/08/2006 00:30**
 File ID: **5M42140**
 Percent Solid: **87.7**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Dibenzo(a,h)Anthracene	53-70-3		U	932	466
Benzo(g,h,i)Perylene	191-24-2		U	932	466
Surrogate	% Recovery	Lower	Upper	Qual	
2-Fluorophenol	47.1	25	121		
Phenol-d5	59.5	24	113		
Nitrobenzene-d5	50.3	23	120		
2-Fluorobiphenyl	60.3	30	115		
2,4,6-Tribromophenol	67.9	19	122		
p-Terphenyl-d14	70.9	18	137		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-05**
 Client ID: **06SB03-01**
 Matrix: **Soil**
 Workgroup Number: **W6221609**
 Collect Date: **08/29/2006 15:50**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **8330**
 Analyst: **JLS**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HPLC4**
 Prep Date: **08/31/2006 08:00**
 Cal Date: **08/10/2006 19:30**
 Run Date: **09/06/2006 17:01**
 File ID: **4L009123.F**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,3,5-Trinitrobenzene	99-35-4		U	0.249	0.0995
1,3-Dinitrobenzene	99-65-0		U	0.249	0.0995
2,4,6-Trinitrotoluene	118-96-7		U	0.249	0.0995
2,4-Dinitrotoluene	121-14-2		U	0.249	0.0995
2,6-Dinitrotoluene	606-20-2		U	0.259	0.0995
2-Amino-4,6-dinitrotoluene	35572-78-2		U	0.259	0.0995
2-Nitrotoluene	88-72-2		U	0.249	0.0995
3-Nitrotoluene	99-08-1		U	0.249	0.0995
4-Nitrotoluene	99-99-0		U	0.249	0.0995
4-Amino-2,6-dinitrotoluene	19406-51-0		U	0.259	0.0995
HMX	2691-41-0		U	2.19	0.0995
Nitrobenzene	98-95-3		U	0.259	0.129
RDX	121-82-4		U	0.995	0.0995
Tetryl	479-45-8		U	0.647	0.199
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	94.3	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: **L0608643**Report Date : **September 21, 2006**

00061258

Sample Number: **L0608643-05**
 Client ID: **06SB03-01**
 Matrix: **Soil**
 Workgroup Number: **W6221485**
 Collect Date: **08/29/2006 15:50**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **09/05/2006 09:40**
 Cal Date:
 Run Date: **09/05/2006 09:40**
 File ID: **OV.0609050940-05**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	87.7		1.00	1.00

Sample Number: **L0608643-05**
 Client ID: **06SB03-01**
 Matrix: **Soil**
 Workgroup Number: **W6221525**
 Collect Date: **08/29/2006 15:50**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **HAV**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **09/05/2006 12:00**
 Cal Date: **09/11/2006 20:33**
 Run Date: **09/12/2006 01:55**
 File ID: **1469199**
 Percent Solid: **87.7**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	55.6	27.8
Carbon Range C12-C28		38.7	J	55.6	27.8
Carbon Range C28-C35		35.2	J	55.6	27.8
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	102	31	130		
o-Terphenyl	111	70	130		

J The analyte was positively identified, but the quantitation was below the RL
 U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-06**
 Client ID: **06SB03-02**
 Matrix: **Soil**
 Workgroup Number: **W6221361**
 Collect Date: **08/29/2006 16:00**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **09/01/2006 19:15**
 Cal Date: **08/30/2006 20:05**
 Run Date: **09/01/2006 19:15**
 File ID: **11M36025**
 Percent Solid: **90.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Acetone	67-64-1		U	12.0	6.00
Benzene	71-43-2		U	6.00	0.600
Bromobenzene	108-86-1		U	6.00	0.600
Bromochloromethane	74-97-5		U	6.00	0.600
Bromodichloromethane	75-27-4		U	6.00	0.600
Bromoform	75-25-2		U	6.00	0.600
Bromomethane	74-83-9		U	12.0	1.20
2-Butanone	78-93-3		U	12.0	3.00
n-Butylbenzene	104-51-8		U	6.00	0.600
sec-Butylbenzene	135-98-8		U	6.00	0.600
tert-Butylbenzene	98-06-6		U	6.00	0.600
Carbon disulfide	75-15-0		U	6.00	0.600
Carbon tetrachloride	56-23-5		U	6.00	0.600
Chlorobenzene	108-90-7		U	6.00	0.600
Chlorodibromomethane	124-48-1		U	6.00	0.600
Chloroethane	75-00-3		U	12.0	1.20
2-Chloroethyl vinyl ether	110-75-8		U	12.0	2.40

Report Number: **L0608643**Report Date : **September 21, 2006**

00061259

Sample Number: **L0608643-06**
 Client ID: **06SB03-02**
 Matrix: **Soil**
 Workgroup Number: **W6221361**
 Collect Date: **08/29/2006 16:00**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **09/01/2006 19:15**
 Cal Date: **08/30/2006 20:05**
 Run Date: **09/01/2006 19:15**
 File ID: **11M36025**
 Percent Solid: **90.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Chloroform	67-66-3		U	6.00	0.600
Chloromethane	74-87-3		U	12.0	2.40
2-Chlorotoluene	95-49-8		U	6.00	0.600
4-Chlorotoluene	106-43-4		U	6.00	0.600
1,2-Dibromo-3-chloropropane	96-12-8		U	6.00	2.40
1,2-Dibromoethane	106-93-4		U	6.00	0.600
Dibromomethane	74-95-3		U	6.00	0.600
1,2-Dichlorobenzene	95-50-1		U	6.00	0.600
1,3-Dichlorobenzene	541-73-1		U	6.00	0.600
1,4-Dichlorobenzene	106-46-7		U	6.00	0.600
Dichlorodifluoromethane	75-71-8		U	12.0	1.20
1,1-Dichloroethane	75-34-3		U	6.00	1.20
1,2-Dichloroethane	107-06-2		U	6.00	0.600
1,1-Dichloroethene	75-35-4		U	6.00	0.600
cis-1,2-Dichloroethene	156-59-2		U	6.00	0.600
trans-1,2-Dichloroethene	156-60-5		U	6.00	0.600
1,2-Dichloropropane	78-87-5		U	6.00	0.600
1,3-Dichloropropane	142-28-9		U	6.00	0.600
2,2-Dichloropropane	594-20-7		U	6.00	0.600
cis-1,3-Dichloropropene	10061-01-5		U	6.00	0.600
trans-1,3-Dichloropropene	10061-02-6		U	6.00	0.600
1,1-Dichloropropene	563-58-6		U	6.00	0.600
Ethylbenzene	100-41-4		U	6.00	0.600
2-Hexanone	591-78-6		U	12.0	3.00
Hexachlorobutadiene	87-68-3		U	6.00	0.600
Isopropylbenzene	98-82-8		U	6.00	0.600
p-Isopropyltoluene	99-87-6		U	6.00	0.600
4-Methyl-2-pentanone	108-10-1		U	12.0	3.00
Methylene chloride	75-09-2		U	6.00	1.20
Naphthalene	91-20-3		U	12.0	0.600
n-Propylbenzene	103-65-1		U	6.00	0.600
Styrene	100-42-5		U	6.00	0.600
1,1,1,2-Tetrachloroethane	630-20-6		U	6.00	0.600
1,1,2,2-Tetrachloroethane	79-34-5		U	6.00	0.600
Tetrachloroethene	127-18-4		U	6.00	0.600
Toluene	108-88-3		U	6.00	0.600
1,2,3-Trichlorobenzene	87-61-6		U	6.00	0.600
1,2,4-Trichlorobenzene	120-82-1		U	6.00	0.600
1,1,1-Trichloroethane	71-55-6		U	6.00	0.600
1,1,2-Trichloroethane	79-00-5		U	6.00	0.600
Trichloroethene	79-01-6		U	6.00	0.600
Trichlorofluoromethane	75-69-4		U	12.0	1.20
1,2,3-Trichloropropane	96-18-4		U	6.00	1.20
1,2,4-Trimethylbenzene	95-63-6		U	6.00	0.600
1,3,5-Trimethylbenzene	108-67-8		U	6.00	0.600
Vinyl acetate	108-05-4		U	12.0	1.20
Vinyl chloride	75-01-4		U	12.0	1.20
o-Xylene	95-47-6		U	6.00	0.600

Report Number: L0608643

Report Date : September 21, 2006

00061260

Sample Number: L0608643-06
 Client ID: 06SB03-02
 Matrix: Soil
 Workgroup Number: W6221361
 Collect Date: 08/29/2006 16:00
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/kg

Instrument: HPMS11
 Prep Date: 09/01/2006 19:15
 Cal Date: 08/30/2006 20:05
 Run Date: 09/01/2006 19:15
 File ID: 11M36025
 Percent Solid: 90.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
m-,p-Xylene	136777-61-2		U	6.00	0.600
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	95.6	80	120		
1,2-Dichloroethane-d4	97.4	80	120		
Toluene-d8	102	81	117		
4-Bromofluorobenzene	100	74	121		

U Not detected at or above adjusted sample detection limit

Sample Number: L0608643-06
 Client ID: 06SB03-02
 Matrix: Soil
 Workgroup Number: W6221796
 Collect Date: 08/29/2006 16:00
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT
 Dilution: 1
 Units: ug/kg

Instrument: HPMS5
 Prep Date: 09/01/2006 08:30
 Cal Date: 09/05/2006 12:08
 Run Date: 09/07/2006 19:31
 File ID: 5M42131
 Percent Solid: 90.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
Phenol	108-95-2		U	182	90.8
Bis(2-Chloroethyl)ether	111-44-4		U	182	90.8
2-Chlorophenol	95-57-8		U	182	90.8
1,3-Dichlorobenzene	541-73-1		U	182	90.8
1,4-Dichlorobenzene	106-46-7		U	182	90.8
Benzyl alcohol	100-51-6		U	182	90.8
1,2-Dichlorobenzene	95-50-1		U	182	90.8
2-Methylphenol	95-48-7		U	182	90.8
3-,4-Methylphenol	106-44-5		U	182	90.8
bis(2-Chloroisopropyl)ether	39638-32-9		U	182	90.8
N-Nitrosodipropylamine	621-64-7		U	182	90.8
Hexachloroethane	67-72-1		U	182	90.8
Nitrobenzene	98-95-3		U	182	90.8
Isophorone	78-59-1		U	182	90.8
2-Nitrophenol	88-75-5		U	182	90.8
2,4-Dimethylphenol	105-67-9		U	182	90.8
Benzoic acid	65-85-0		U	908	363
Bis(2-Chloroethoxy)Methane	111-91-1		U	182	90.8
2,4-Dichlorophenol	120-83-2		U	182	90.8
1,2,4-Trichlorobenzene	120-82-1		U	182	90.8
Naphthalene	91-20-3		U	182	90.8
4-Chloroaniline	106-47-8		U	182	90.8
Hexachlorobutadiene	87-68-3		U	182	90.8
4-Chloro-3-methylphenol	59-50-7		U	182	90.8
2-Methylnaphthalene	91-57-6		U	182	90.8
Hexachlorocyclopentadiene	77-47-4		U	182	90.8
2,4,6-Trichlorophenol	88-06-2		U	182	90.8
2,4,5-Trichlorophenol	95-95-4		U	182	90.8
2-Chloronaphthalene	91-58-7		U	182	90.8
2-Nitroaniline	88-74-4		U	908	363
Dimethylphthalate	131-11-3		U	182	90.8
Acenaphthylene	208-96-8		U	182	90.8

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Report Number: L0608643

Report Date : September 21, 2006

00061261

Sample Number: L0608643-06
 Client ID: 06SB03-02
 Matrix: Soil
 Workgroup Number: W6221796
 Collect Date: 08/29/2006 16:00
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT
 Dilution: 1
 Units: ug/kg

Instrument: HPMS5
 Prep Date: 09/01/2006 08:30
 Cal Date: 09/05/2006 12:08
 Run Date: 09/07/2006 19:31
 File ID: 5M42131
 Percent Solid: 90.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
2,6-Dinitrotoluene	606-20-2		U	182	90.8
3-Nitroaniline	99-09-2		U	908	363
Acenaphthene	83-32-9		U	182	90.8
2,4-Dinitrophenol	51-28-5		U	908	363
4-Nitrophenol	100-02-7		U	908	363
Dibenzofuran	132-64-9		U	182	90.8
2,4-Dinitrotoluene	121-14-2		U	182	90.8
Diethylphthalate	84-66-2		U	182	90.8
4-Chlorophenyl-phenyl ether	7005-72-3		U	182	90.8
Fluorene	86-73-7		U	182	90.8
4-Nitroaniline	100-01-6		U	908	363
4,6-Dinitro-2-methylphenol	534-52-1		U	908	363
N-Nitrosodiphenylamine	86-30-6		U	182	90.8
4-Bromophenyl-phenylether	101-55-3		U	182	90.8
Hexachlorobenzene	118-74-1		U	182	90.8
Pentachlorophenol	87-86-5		U	908	363
Phenanthrene	85-01-8		U	182	90.8
Anthracene	120-12-7		U	182	90.8
Di-N-Butylphthalate	84-74-2		U	182	90.8
Fluoranthene	206-44-0		U	182	90.8
Pyrene	129-00-0		U	182	90.8
Butylbenzylphthalate	85-68-7		U	182	90.8
3,3'-Dichlorobenzidine	91-94-1		U	363	182
Benzo(a)anthracene	56-55-3		U	182	90.8
Chrysene	218-01-9		U	182	90.8
bis(2-Ethylhexyl)phthalate	117-81-7		U	182	90.8
Di-n-octylphthalate	117-84-0		U	182	90.8
Benzo(b)fluoranthene	205-99-2		U	182	90.8
Benzo(k)fluoranthene	207-08-9		U	182	90.8
Benzo(a)pyrene	50-32-8		U	182	90.8
Indeno(1,2,3-cd)pyrene	193-39-5		U	182	90.8
Dibenzo(a,h)Anthracene	53-70-3		U	182	90.8
Benzo(g,h,i)Perylene	191-24-2		U	182	90.8
Surrogate	% Recovery	Lower	Upper	Qual	
2-Fluorophenol	44.8	25	121		
Phenol-d5	56.5	24	113		
Nitrobenzene-d5	60.1	23	120		
2-Fluorobiphenyl	61.9	30	115		
2,4,6-Tribromophenol	29.2	19	122		
p-Terphenyl-d14	105	18	137		

U Not detected at or above adjusted sample detection limit

Report Number: **L0608643**Report Date : **September 21, 2006**

00061262

Sample Number: **L0608643-06**
 Client ID: **06SB03-02**
 Matrix: **Soil**
 Workgroup Number: **WG221609**
 Collect Date: **08/29/2006 16:00**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **8330**
 Analyst: **JLS**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HPLC4**
 Prep Date: **08/31/2006 08:00**
 Cal Date: **08/10/2006 19:30**
 Run Date: **09/06/2006 17:38**
 File ID: **4L009124.F**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,3,5-Trinitrobenzene	99-35-4		U	0.239	0.0957
1,3-Dinitrobenzene	99-65-0		U	0.239	0.0957
2,4,6-Trinitrotoluene	118-96-7		U	0.239	0.0957
2,4-Dinitrotoluene	121-14-2		U	0.239	0.0957
2,6-Dinitrotoluene	606-20-2		U	0.249	0.0957
2-Amino-4,6-dinitrotoluene	35572-78-2		U	0.249	0.0957
2-Nitrotoluene	88-72-2		U	0.239	0.0957
3-Nitrotoluene	99-08-1		U	0.239	0.0957
4-Nitrotoluene	99-99-0		U	0.239	0.0957
4-Amino-2,6-dinitrotoluene	19406-51-0		U	0.249	0.0957
HMX	2691-41-0		U	2.11	0.0957
Nitrobenzene	98-95-3		U	0.249	0.124
RDX	121-82-4		U	0.957	0.0957
Tetryl	479-45-8		U	0.622	0.191
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	94.2	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-06**
 Client ID: **06SB03-02**
 Matrix: **Soil**
 Workgroup Number: **WG221485**
 Collect Date: **08/29/2006 16:00**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **09/05/2006 09:40**
 Cal Date:
 Run Date: **09/05/2006 09:40**
 File ID: **OV.0609050940-06**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	90.1		1.00	1.00

Sample Number: **L0608643-06**
 Client ID: **06SB03-02**
 Matrix: **Soil**
 Workgroup Number: **WG221525**
 Collect Date: **08/29/2006 16:00**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **HAV**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **09/05/2006 12:00**
 Cal Date: **09/11/2006 20:33**
 Run Date: **09/12/2006 02:36**
 File ID: **14G9200**
 Percent Solid: **90.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	54.9	27.5
Carbon Range C12-C28		33.3	J	54.9	27.5
Carbon Range C28-C35		35.6	J	54.9	27.5
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	109	31	130		
o-Terphenyl	117	70	130		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061263

Sample Number: **L0608643-07**
 Client ID: **06SB01-01-QC**
 Matrix: **Soil**
 Workgroup Number: **W6221254**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **08/31/2006 17:30**
 Cal Date: **08/30/2006 20:05**
 Run Date: **08/31/2006 17:30**
 File ID: **11M35993**
 Percent Solid: **90.6**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Acetone	67-64-1		U	9.82	4.91
Benzene	71-43-2		U	4.91	0.491
Bromobenzene	108-86-1		U	4.91	0.491
Bromochloromethane	74-97-5		U	4.91	0.491
Bromodichloromethane	75-27-4		U	4.91	0.491
Bromoform	75-25-2		U	4.91	0.491
Bromomethane	74-83-9		U	9.82	0.982
2-Butanone	78-93-3		U	9.82	2.45
n-Butylbenzene	104-51-8		U	4.91	0.491
sec-Butylbenzene	135-98-8		U	4.91	0.491
tert-Butylbenzene	98-06-6		U	4.91	0.491
Carbon disulfide	75-15-0		U	4.91	0.491
Carbon tetrachloride	56-23-5		U	4.91	0.491
Chlorobenzene	108-90-7		U	4.91	0.491
Chlorodibromomethane	124-48-1		U	4.91	0.491
Chloroethane	75-00-3		U	9.82	0.982
2-Chloroethyl vinyl ether	110-75-8		U	9.82	1.96
Chloroform	67-66-3		U	4.91	0.491
Chloromethane	74-87-3		U	9.82	1.96
2-Chlorotoluene	95-49-8		U	4.91	0.491
4-Chlorotoluene	106-43-4		U	4.91	0.491
1,2-Dibromo-3-chloropropane	96-12-8		U	4.91	1.96
1,2-Dibromoethane	106-93-4		U	4.91	0.491
Dibromomethane	74-95-3		U	4.91	0.491
1,2-Dichlorobenzene	95-50-1		U	4.91	0.491
1,3-Dichlorobenzene	541-73-1		U	4.91	0.491
1,4-Dichlorobenzene	106-46-7		U	4.91	0.491
Dichlorodifluoromethane	75-71-8		U	9.82	0.982
1,1-Dichloroethane	75-34-3		U	4.91	0.982
1,2-Dichloroethane	107-06-2		U	4.91	0.491
1,1-Dichloroethene	75-35-4		U	4.91	0.491
cis-1,2-Dichloroethene	156-59-2		U	4.91	0.491
trans-1,2-Dichloroethene	156-60-5		U	4.91	0.491
1,2-Dichloropropane	78-87-5		U	4.91	0.491
1,3-Dichloropropane	142-28-9		U	4.91	0.491
2,2-Dichloropropane	594-20-7		U	4.91	0.491
cis-1,3-Dichloropropene	10061-01-5		U	4.91	0.491
trans-1,3-Dichloropropene	10061-02-6		U	4.91	0.491
1,1-Dichloropropene	563-58-6		U	4.91	0.491
Ethylbenzene	100-41-4		U	4.91	0.491
2-Hexanone	591-78-6		U	9.82	2.45
Hexachlorobutadiene	87-68-3		U	4.91	0.491
Isopropylbenzene	98-82-8		U	4.91	0.491
p-Isopropyltoluene	99-87-6		U	4.91	0.491
4-Methyl-2-pentanone	108-10-1		U	9.82	2.45
Methylene chloride	75-09-2		U	4.91	0.982
Naphthalene	91-20-3		U	9.82	0.491
n-Propylbenzene	103-65-1		U	4.91	0.491

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061264

Sample Number: **L0608643-07**
 Client ID: **06SB01-01-QC**
 Matrix: **Soil**
 Workgroup Number: **WG221254**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **08/31/2006 17:30**
 Cal Date: **08/30/2006 20:05**
 Run Date: **08/31/2006 17:30**
 File ID: **11M35993**
 Percent Solid: **90.6**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Styrene	100-42-5		U	4.91	0.491
1,1,1,2-Tetrachloroethane	630-20-6		U	4.91	0.491
1,1,2,2-Tetrachloroethane	79-34-5		U	4.91	0.491
Tetrachloroethene	127-18-4		U	4.91	0.491
Toluene	108-88-3		U	4.91	0.491
1,2,3-Trichlorobenzene	87-61-6		U	4.91	0.491
1,2,4-Trichlorobenzene	120-82-1		U	4.91	0.491
1,1,1-Trichloroethane	71-55-6		U	4.91	0.491
1,1,2-Trichloroethane	79-00-5		U	4.91	0.491
Trichloroethene	79-01-6		U	4.91	0.491
Trichlorofluoromethane	75-69-4		U	9.82	0.982
1,2,3-Trichloropropane	96-18-4		U	4.91	0.982
1,2,4-Trimethylbenzene	95-63-6		U	4.91	0.491
1,3,5-Trimethylbenzene	108-67-8		U	4.91	0.491
Vinyl acetate	108-05-4		U	9.82	0.982
Vinyl chloride	75-01-4		U	9.82	0.982
o-Xylene	95-47-6		U	4.91	0.491
m-,p-Xylene	136777-61-2		U	4.91	0.491
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	92.7	80	120		
1,2-Dichloroethane-d4	92.5	80	120		
Toluene-d8	105	81	117		
4-Bromofluorobenzene	106	74	121		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-07**
 Client ID: **06SB01-01-QC**
 Matrix: **Soil**
 Workgroup Number: **WG221796**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/07/2006 23:56**
 File ID: **5M42139**
 Percent Solid: **90.6**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Phenol	108-95-2		U	181	90.4
Bis(2-Chloroethyl)ether	111-44-4		U	181	90.4
2-Chlorophenol	95-57-8		U	181	90.4
1,3-Dichlorobenzene	541-73-1		U	181	90.4
1,4-Dichlorobenzene	106-46-7		U	181	90.4
Benzyl alcohol	100-51-6		U	181	90.4
1,2-Dichlorobenzene	95-50-1		U	181	90.4
2-Methylphenol	95-48-7		U	181	90.4
3-,4-Methylphenol	106-44-5		U	181	90.4
bis(2-Chloroisopropyl)ether	39638-32-9		U	181	90.4
N-Nitrosodipropylamine	621-64-7		U	181	90.4
Hexachloroethane	67-72-1		U	181	90.4
Nitrobenzene	98-95-3		U	181	90.4
Isophorone	78-59-1		U	181	90.4
2-Nitrophenol	88-75-5		U	181	90.4

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Report Number: L0608643

Report Date : September 21, 2006

00061265

Sample Number: L0608643-07
 Client ID: 06SB01-01-QC
 Matrix: Soil
 Workgroup Number: W6221796
 Collect Date: 08/29/2006 15:20
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT
 Dilution: 1
 Units: ug/kg

Instrument: HPMS5
 Prep Date: 09/01/2006 08:30
 Cal Date: 09/05/2006 12:08
 Run Date: 09/07/2006 23:56
 File ID: 5M42139
 Percent Solid: 90.6

Analyte	CAS. Number	Result	Qual	PQL	SQL
2,4-Dimethylphenol	105-67-9		U	181	90.4
Benzoic acid	65-85-0		U	904	362
Bis(2-Chloroethoxy)Methane	111-91-1		U	181	90.4
2,4-Dichlorophenol	120-83-2		U	181	90.4
1,2,4-Trichlorobenzene	120-82-1		U	181	90.4
Naphthalene	91-20-3		U	181	90.4
4-Chloroaniline	106-47-8		U	181	90.4
Hexachlorobutadiene	87-68-3		U	181	90.4
4-Chloro-3-methylphenol	59-50-7		U	181	90.4
2-Methylnaphthalene	91-57-6		U	181	90.4
Hexachlorocyclopentadiene	77-47-4		U	181	90.4
2,4,6-Trichlorophenol	88-06-2		U	181	90.4
2,4,5-Trichlorophenol	95-95-4		U	181	90.4
2-Chloronaphthalene	91-58-7		U	181	90.4
2-Nitroaniline	88-74-4		U	904	362
Dimethylphthalate	131-11-3		U	181	90.4
Acenaphthylene	208-96-8		U	181	90.4
2,6-Dinitrotoluene	606-20-2		U	181	90.4
3-Nitroaniline	99-09-2		U	904	362
Acenaphthene	83-32-9		U	181	90.4
2,4-Dinitrophenol	51-28-5		U	904	362
4-Nitrophenol	100-02-7		U	904	362
Dibenzofuran	132-64-9		U	181	90.4
2,4-Dinitrotoluene	121-14-2		U	181	90.4
Diethylphthalate	84-66-2		U	181	90.4
4-Chlorophenyl-phenyl ether	7005-72-3		U	181	90.4
Fluorene	86-73-7		U	181	90.4
4-Nitroaniline	100-01-6		U	904	362
4,6-Dinitro-2-methylphenol	534-52-1		U	904	362
N-Nitrosodiphenylamine	86-30-6		U	181	90.4
4-Bromophenyl-phenylether	101-55-3		U	181	90.4
Hexachlorobenzene	118-74-1		U	181	90.4
Pentachlorophenol	87-86-5		U	904	362
Phenanthrene	85-01-8		U	181	90.4
Anthracene	120-12-7		U	181	90.4
Di-N-Butylphthalate	84-74-2		U	181	90.4
Fluoranthene	206-44-0		U	181	90.4
Pyrene	129-00-0		U	181	90.4
Butylbenzylphthalate	85-68-7		U	181	90.4
3,3'-Dichlorobenzidine	91-94-1		U	362	181
Benzo(a)anthracene	56-55-3		U	181	90.4
Chrysene	218-01-9		U	181	90.4
bis(2-Ethylhexyl)phthalate	117-81-7		U	181	90.4
Di-n-octylphthalate	117-84-0		U	181	90.4
Benzo(b)fluoranthene	205-99-2		U	181	90.4
Benzo(k)fluoranthene	207-08-9		U	181	90.4
Benzo(a)pyrene	50-32-8		U	181	90.4
Indeno(1,2,3-cd)pyrene	193-39-5		U	181	90.4

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061266

Sample Number: **L0608643-07**
 Client ID: **06SB01-01-QC**
 Matrix: **Soil**
 Workgroup Number: **W6221796**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/07/2006 23:56**
 File ID: **5M42139**
 Percent Solid: **90.6**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Dibenzo(a,h)Anthracene	53-70-3		U	181	90.4
Benzo(g,h,i)Perylene	191-24-2		U	181	90.4
Surrogate	% Recovery	Lower	Upper	Qual	
2-Fluorophenol	52.8	25	121		
Phenol-d5	66.6	24	113		
Nitrobenzene-d5	62.8	23	120		
2-Fluorobiphenyl	61.9	30	115		
2,4,6-Tribromophenol	55.0	19	122		
p-Terphenyl-d14	95.1	18	137		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-07**
 Client ID: **06SB01-01-QC**
 Matrix: **Soil**
 Workgroup Number: **W6221609**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **8330**
 Analyst: **JLS**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HPLC4**
 Prep Date: **08/31/2006 08:00**
 Cal Date: **08/10/2006 19:30**
 Run Date: **09/06/2006 18:15**
 File ID: **4L009125.F**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,3,5-Trinitrobenzene	99-35-4		U	0.243	0.0971
1,3-Dinitrobenzene	99-65-0		U	0.243	0.0971
2,4,6-Trinitrotoluene	118-96-7		U	0.243	0.0971
2,4-Dinitrotoluene	121-14-2		U	0.243	0.0971
2,6-Dinitrotoluene	606-20-2		U	0.252	0.0971
2-Amino-4,6-dinitrotoluene	35572-78-2		U	0.252	0.0971
2-Nitrotoluene	88-72-2		U	0.243	0.0971
3-Nitrotoluene	99-08-1		U	0.243	0.0971
4-Nitrotoluene	99-99-0		U	0.243	0.0971
4-Amino-2,6-dinitrotoluene	19406-51-0		U	0.252	0.0971
HMX	2691-41-0		U	2.14	0.0971
Nitrobenzene	98-95-3		U	0.252	0.126
RDX	121-82-4		U	0.971	0.0971
Tetryl	479-45-8		U	0.631	0.194
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	96.7	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: L0608643

Report Date : September 21, 2006

00061267

Sample Number: L0608643-07
 Client ID: 06SB01-01-QC
 Matrix: Soil
 Workgroup Number: W6221485
 Collect Date: 08/29/2006 15:20

PrePrep Method: NONE
 Prep Method: D2216-90
 Analytical Method: D2216-90
 Analyst: TMM
 Dilution: 1
 Units: weight %

Instrument: OVEN
 Prep Date: 09/05/2006 09:40
 Cal Date:
 Run Date: 09/05/2006 09:40
 File ID: OV.0609050940-07

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	90.6		1.00	1.00

Sample Number: L0608643-07
 Client ID: 06SB01-01-QC
 Matrix: Soil
 Workgroup Number: W6221525
 Collect Date: 08/29/2006 15:20
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: METHOD
 Analytical Method: T1005
 Analyst: HAV
 Dilution: 1
 Units: mg/kg

Instrument: HP14
 Prep Date: 09/05/2006 12:00
 Cal Date: 09/11/2006 20:33
 Run Date: 09/12/2006 03:16
 File ID: 1469201
 Percent Solid: 90.6

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	54.4	27.2
Carbon Range C12-C28		33.4	J	54.4	27.2
Carbon Range C28-C35		30.7	J	54.4	27.2
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	102	31	130		
o-Terphenyl	107	70	130		

J The analyte was positively identified, but the quantitation was below the RL
 U Not detected at or above adjusted sample detection limit

Sample Number: L0608643-08
 Client ID: TRIP BLANK
 Matrix: Water
 Workgroup Number: W6221164
 Collect Date: 08/29/2006 00:01
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 08/30/2006 18:05
 Cal Date: 08/23/2006 18:49
 Run Date: 08/30/2006 18:05
 File ID: 10M48437

Analyte	CAS. Number	Result	Qual	PQL	SQL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00

Report Number: **L0608643**Report Date : **September 21, 2006**

00061268

Sample Number: **L0608643-08**
 Client ID: **TRIP BLANK**
 Matrix: **Water**
 Workgroup Number: **W6221164**
 Collect Date: **08/29/2006 00:01**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **08/30/2006 18:05**
 Cal Date: **08/23/2006 18:49**
 Run Date: **08/30/2006 18:05**
 File ID: **10M48437**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	1.10	J	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250

Report Number: **L0608643**Report Date : **September 21, 2006**

00061269

Sample Number: **L0608643-08**
 Client ID: **TRIP BLANK**
 Matrix: **Water**
 Workgroup Number: **WG221164**
 Collect Date: **08/29/2006 00:01**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **08/30/2006 18:05**
 Cal Date: **08/23/2006 18:49**
 Run Date: **08/30/2006 18:05**
 File ID: **10M48437**

Analyte	CAS. Number	Result	Qual	PQL	SQL
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	105	86	118		
1,2-Dichloroethane-d4	112	80	120		
Toluene-d8	101	88	110		
4-Bromofluorobenzene	105	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0608643-09**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **WG221254**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **08/31/2006 16:30**
 Cal Date: **08/30/2006 20:05**
 Run Date: **08/31/2006 16:30**
 File ID: **11M35991**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Acetone	67-64-1	22.4		10.6	5.29
Benzene	71-43-2	21.7		5.29	0.529
Bromobenzene	108-86-1	21.4		5.29	0.529
Bromochloromethane	74-97-5	22.6		5.29	0.529
Bromodichloromethane	75-27-4	21.3		5.29	0.529
Bromoform	75-25-2	20.5		5.29	0.529
Bromomethane	74-83-9	17.1		10.6	1.06
2-Butanone	78-93-3	22.5		10.6	2.65
n-Butylbenzene	104-51-8	20.2		5.29	0.529
sec-Butylbenzene	135-98-8	20.7		5.29	0.529
tert-Butylbenzene	98-06-6	21.1		5.29	0.529
Carbon disulfide	75-15-0	24.8		5.29	0.529
Carbon tetrachloride	56-23-5	20.0		5.29	0.529
Chlorobenzene	108-90-7	21.2		5.29	0.529
Chlorodibromomethane	124-48-1	20.5		5.29	0.529
Chloroethane	75-00-3	19.0		10.6	1.06
2-Chloroethyl vinyl ether	110-75-8	19.7		10.6	2.12
Chloroform	67-66-3	20.5		5.29	0.529
Chloromethane	74-87-3	18.3		10.6	2.12
2-Chlorotoluene	95-49-8	21.4		5.29	0.529
4-Chlorotoluene	106-43-4	20.7		5.29	0.529
1,2-Dibromo-3-chloropropane	96-12-8	22.0		5.29	2.12
1,2-Dibromoethane	106-93-4	20.9		5.29	0.529
Dibromomethane	74-95-3	21.1		5.29	0.529
1,2-Dichlorobenzene	95-50-1	20.5		5.29	0.529
1,3-Dichlorobenzene	541-73-1	20.0		5.29	0.529
1,4-Dichlorobenzene	106-46-7	20.1		5.29	0.529
Dichlorodifluoromethane	75-71-8	14.0		10.6	1.06
1,1-Dichloroethane	75-34-3	20.4		5.29	1.06
1,2-Dichloroethane	107-06-2	20.3		5.29	0.529
1,1-Dichloroethene	75-35-4	23.0		5.29	0.529

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061270

Sample Number: **L0608643-09**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **W6221254**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **08/31/2006 16:30**
 Cal Date: **08/30/2006 20:05**
 Run Date: **08/31/2006 16:30**
 File ID: **11M35991**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
cis-1,2-Dichloroethene	156-59-2	20.5		5.29	0.529
trans-1,2-Dichloroethene	156-60-5	20.6		5.29	0.529
1,2-Dichloropropane	78-87-5	20.7		5.29	0.529
1,3-Dichloropropane	142-28-9	19.8		5.29	0.529
2,2-Dichloropropane	594-20-7	21.5		5.29	0.529
cis-1,3-Dichloropropene	10061-01-5	19.3		5.29	0.529
trans-1,3-Dichloropropene	10061-02-6	17.4		5.29	0.529
1,1-Dichloropropene	563-58-6	21.5		5.29	0.529
Ethylbenzene	100-41-4	22.1		5.29	0.529
2-Hexanone	591-78-6	20.5		10.6	2.65
Hexachlorobutadiene	87-68-3	18.7		5.29	0.529
Isopropylbenzene	98-82-8	20.8		5.29	0.529
p-Isopropyltoluene	99-87-6	20.3		5.29	0.529
4-Methyl-2-pentanone	108-10-1	21.7		10.6	2.65
Methylene chloride	75-09-2	21.2		5.29	1.06
Naphthalene	91-20-3	20.0		10.6	0.529
n-Propylbenzene	103-65-1	21.3		5.29	0.529
Styrene	100-42-5	23.0		5.29	0.529
1,1,1,2-Tetrachloroethane	630-20-6	21.3		5.29	0.529
1,1,2,2-Tetrachloroethane	79-34-5	22.0		5.29	0.529
Tetrachloroethene	127-18-4	20.3		5.29	0.529
Toluene	108-88-3	18.6		5.29	0.529
1,2,3-Trichlorobenzene	87-61-6	18.0		5.29	0.529
1,2,4-Trichlorobenzene	120-82-1	19.0		5.29	0.529
1,1,1-Trichloroethane	71-55-6	20.4		5.29	0.529
1,1,2-Trichloroethane	79-00-5	20.6		5.29	0.529
Trichloroethene	79-01-6	21.4		5.29	0.529
Trichlorofluoromethane	75-69-4	18.7		10.6	1.06
1,2,3-Trichloropropane	96-18-4	22.5		5.29	1.06
1,2,4-Trimethylbenzene	95-63-6	20.9		5.29	0.529
1,3,5-Trimethylbenzene	108-67-8	21.6		5.29	0.529
Vinyl acetate	108-05-4	5.40	J	10.6	1.06
Vinyl chloride	75-01-4	18.5		10.6	1.06
o-Xylene	95-47-6	23.5		5.29	0.529
m-,p-Xylene	136777-61-2	45.9		5.29	0.529
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	91.4	80	120		
1,2-Dichloroethane-d4	89.6	80	120		
Toluene-d8	91.9	81	117		
4-Bromofluorobenzene	104	74	121		

J The analyte was positively identified, but the quantitation was below the RL

Report Number: L0608643

Report Date : September 21, 2006

00061271

Sample Number: L0608643-09
 Client ID: 06SB01-01
 Matrix: Soil
 Workgroup Number: W6221796
 Collect Date: 08/29/2006 15:20
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT
 Dilution: 1
 Units: ug/kg

Instrument: HPMS5
 Prep Date: 09/01/2006 08:30
 Cal Date: 09/05/2006 12:08
 Run Date: 09/07/2006 22:16
 File ID: 5M42136
 Percent Solid: 91.0

Analyte	CAS. Number	Result	Qual	PQL	SQL
Phenol	108-95-2	1990		181	90.4
Bis(2-Chloroethyl)ether	111-44-4	1930		181	90.4
2-Chlorophenol	95-57-8	1820		181	90.4
1,3-Dichlorobenzene	541-73-1	1700		181	90.4
1,4-Dichlorobenzene	106-46-7	1730		181	90.4
Benzyl alcohol	100-51-6	1990		181	90.4
1,2-Dichlorobenzene	95-50-1	1810		181	90.4
2-Methylphenol	95-48-7	1680		181	90.4
3-,4-Methylphenol	106-44-5	1930		181	90.4
bis(2-Chloroisopropyl)ether	39638-32-9	1820		181	90.4
N-Nitrosodipropylamine	621-64-7	2050		181	90.4
Hexachloroethane	67-72-1	1680		181	90.4
Nitrobenzene	98-95-3	1670		181	90.4
Isophorone	78-59-1	1870		181	90.4
2-Nitrophenol	88-75-5	1730		181	90.4
2,4-Dimethylphenol	105-67-9	810		181	90.4
Benzoic acid	65-85-0	2460		904	362
Bis(2-Chloroethoxy)Methane	111-91-1	1760		181	90.4
2,4-Dichlorophenol	120-83-2	1830		181	90.4
1,2,4-Trichlorobenzene	120-82-1	1650		181	90.4
Naphthalene	91-20-3	1720		181	90.4
4-Chloroaniline	106-47-8	1270		181	90.4
Hexachlorobutadiene	87-68-3	1720		181	90.4
4-Chloro-3-methylphenol	59-50-7	1870		181	90.4
2-Methylnaphthalene	91-57-6	1780		181	90.4
Hexachlorocyclopentadiene	77-47-4	1240		181	90.4
2,4,6-Trichlorophenol	88-06-2	1900		181	90.4
2,4,5-Trichlorophenol	95-95-4	2150		181	90.4
2-Chloronaphthalene	91-58-7	1630		181	90.4
2-Nitroaniline	88-74-4	1600		904	362
Dimethylphthalate	131-11-3	1920		181	90.4
Acenaphthylene	208-96-8	1910		181	90.4
2,6-Dinitrotoluene	606-20-2	1880		181	90.4
3-Nitroaniline	99-09-2	1970		904	362
Acenaphthene	83-32-9	2000		181	90.4
2,4-Dinitrophenol	51-28-5	1820		904	362
4-Nitrophenol	100-02-7	2710		904	362
Dibenzofuran	132-64-9	1940		181	90.4
2,4-Dinitrotoluene	121-14-2	2380		181	90.4
Diethylphthalate	84-66-2	2210		181	90.4
4-Chlorophenyl-phenyl ether	7005-72-3	1790		181	90.4
Fluorene	86-73-7	2080		181	90.4
4-Nitroaniline	100-01-6	2690		904	362
4,6-Dinitro-2-methylphenol	534-52-1	2360		904	362
N-Nitrosodiphenylamine	86-30-6	1360		181	90.4
4-Bromophenyl-phenylether	101-55-3	1600		181	90.4
Hexachlorobenzene	118-74-1	2070		181	90.4
Pentachlorophenol	87-86-5	3190		904	362

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061272

Sample Number: **L0608643-09**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **W6221796**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/07/2006 22:16**
 File ID: **5M42136**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Phenanthrene	85-01-8	2350		181	90.4
Anthracene	120-12-7	2390		181	90.4
Di-N-Butylphthalate	84-74-2	2680		181	90.4
Fluoranthene	206-44-0	2930		181	90.4
Pyrene	129-00-0	2690		181	90.4
Butylbenzylphthalate	85-68-7	2700		181	90.4
3,3'-Dichlorobenzidine	91-94-1	521		362	181
Benzo(a)anthracene	56-55-3	2600		181	90.4
Chrysene	218-01-9	2660		181	90.4
bis(2-Ethylhexyl)phthalate	117-81-7	2420		181	90.4
Di-n-octylphthalate	117-84-0	2850		181	90.4
Benzo(b)fluoranthene	205-99-2	2440		181	90.4
Benzo(k)fluoranthene	207-08-9	2810		181	90.4
Benzo(a)pyrene	50-32-8	2570		181	90.4
Indeno(1,2,3-cd)pyrene	193-39-5	2030		181	90.4
Dibenzo(a,h)Anthracene	53-70-3	2110		181	90.4
Benzo(g,h,i)Perylene	191-24-2	1920		181	90.4
Surrogate	% Recovery	Lower	Upper	Qual	
2-Fluorophenol	59.6	25	121		
Phenol-d5	75.0	24	113		
Nitrobenzene-d5	60.6	23	120		
2-Fluorobiphenyl	67.4	30	115		
2,4,6-Tribromophenol	64.9	19	122		
p-Terphenyl-d14	81.8	18	137		

Sample Number: **L0608643-09**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **W6221609**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **8330**
 Analyst: **JLS**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HPLC4**
 Prep Date: **08/31/2006 08:00**
 Cal Date: **08/10/2006 19:30**
 Run Date: **09/08/2006 14:43**
 File ID: **4L009135.F**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,3,5-Trinitrobenzene	99-35-4	0.479		0.246	0.0985
1,3-Dinitrobenzene	99-65-0	0.501		0.246	0.0985
2,4,6-Trinitrotoluene	118-96-7	0.410		0.246	0.0985
2,4-Dinitrotoluene	121-14-2	0.564		0.246	0.0985
2,6-Dinitrotoluene	606-20-2	0.576		0.256	0.0985
2-Amino-4,6-dinitrotoluene	35572-78-2	0.516		0.256	0.0985
2-Nitrotoluene	88-72-2	0.515		0.246	0.0985
3-Nitrotoluene	99-08-1	0.523		0.246	0.0985
4-Nitrotoluene	99-99-0	0.524		0.246	0.0985
4-Amino-2,6-dinitrotoluene	19406-51-0	0.486		0.256	0.0985
HMX	2691-41-0	0.459	J	2.17	0.0985
Nitrobenzene	98-95-3	0.494		0.256	0.128
RDX	121-82-4	0.481	J	0.985	0.0985
Tetryl	479-45-8	0.383	J	0.640	0.197

Report Number: **L0608643**Report Date : **September 21, 2006**

00061273

Sample Number: **L0608643-09**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **WG221609**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **8330**
 Analyst: **JLS**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HPLC4**
 Prep Date: **08/31/2006 08:00**
 Cal Date: **08/10/2006 19:30**
 Run Date: **09/08/2006 14:43**
 File ID: **4L009135.F**

Surrogate	% Recovery	Lower	Upper	Qual
3,4-Dinitrotoluene	96.8	50	150	

J The analyte was positively identified, but the quantitation was below the RL

Sample Number: **L0608643-09**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **WG221485**
 Collect Date: **08/29/2006 15:20**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **09/05/2006 09:40**
 Cal Date: **09/11/2006 20:33**
 Run Date: **09/05/2006 09:40**
 File ID: **OV.0609050940-08**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	91.0		1.00	1.00

Sample Number: **L0608643-09**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **WG221525**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **HAV**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **09/05/2006 12:00**
 Cal Date: **09/11/2006 20:33**
 Run Date: **09/12/2006 03:57**
 File ID: **1469202**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C35		1120		54.1	27.0
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	103	31	130		
o-Terphenyl	107	70	130		

Sample Number: **L0608643-10**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **WG221254**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **08/31/2006 17:00**
 Cal Date: **08/30/2006 20:05**
 Run Date: **08/31/2006 17:00**
 File ID: **11M35992**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Acetone	67-64-1	14.9		9.50	4.75
Benzene	71-43-2	18.0		4.75	0.475
Bromobenzene	108-86-1	16.7		4.75	0.475
Bromochloromethane	74-97-5	17.5		4.75	0.475
Bromodichloromethane	75-27-4	17.6		4.75	0.475
Bromoform	75-25-2	15.0		4.75	0.475
Bromomethane	74-83-9	14.4		9.50	0.950
2-Butanone	78-93-3	17.6		9.50	2.38

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Report Number: **L0608643**Report Date : **September 21, 2006**

00061274

Sample Number: **L0608643-10**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **W6221254**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **08/31/2006 17:00**
 Cal Date: **08/30/2006 20:05**
 Run Date: **08/31/2006 17:00**
 File ID: **11M35992**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
n-Butylbenzene	104-51-8	14.3		4.75	0.475
sec-Butylbenzene	135-98-8	15.1		4.75	0.475
tert-Butylbenzene	98-06-6	15.6		4.75	0.475
Carbon disulfide	75-15-0	18.8		4.75	0.475
Carbon tetrachloride	56-23-5	17.1		4.75	0.475
Chlorobenzene	108-90-7	17.2		4.75	0.475
Chlorodibromomethane	124-48-1	17.5		4.75	0.475
Chloroethane	75-00-3	14.1		9.50	0.950
2-Chloroethyl vinyl ether	110-75-8	16.5		9.50	1.90
Chloroform	67-66-3	17.4		4.75	0.475
Chloromethane	74-87-3	13.7		9.50	1.90
2-Chlorotoluene	95-49-8	16.3		4.75	0.475
4-Chlorotoluene	106-43-4	15.6		4.75	0.475
1,2-Dibromo-3-chloropropane	96-12-8	15.9		4.75	1.90
1,2-Dibromoethane	106-93-4	17.7		4.75	0.475
Dibromomethane	74-95-3	17.7		4.75	0.475
1,2-Dichlorobenzene	95-50-1	15.2		4.75	0.475
1,3-Dichlorobenzene	541-73-1	14.5		4.75	0.475
1,4-Dichlorobenzene	106-46-7	14.9		4.75	0.475
Dichlorodifluoromethane	75-71-8	9.89		9.50	0.950
1,1-Dichloroethane	75-34-3	16.9		4.75	0.950
1,2-Dichloroethane	107-06-2	17.1		4.75	0.475
1,1-Dichloroethene	75-35-4	17.3		4.75	0.475
cis-1,2-Dichloroethene	156-59-2	17.4		4.75	0.475
trans-1,2-Dichloroethene	156-60-5	17.0		4.75	0.475
1,2-Dichloropropane	78-87-5	17.9		4.75	0.475
1,3-Dichloropropane	142-28-9	18.4		4.75	0.475
2,2-Dichloropropane	594-20-7	18.5		4.75	0.475
cis-1,3-Dichloropropene	10061-01-5	16.1		4.75	0.475
trans-1,3-Dichloropropene	10061-02-6	15.8		4.75	0.475
1,1-Dichloropropene	563-58-6	18.4		4.75	0.475
Ethylbenzene	100-41-4	17.6		4.75	0.475
2-Hexanone	591-78-6	17.1		9.50	2.38
Hexachlorobutadiene	87-68-3	12.9		4.75	0.475
Isopropylbenzene	98-82-8	15.4		4.75	0.475
p-Isopropyltoluene	99-87-6	14.7		4.75	0.475
4-Methyl-2-pentanone	108-10-1	17.4		9.50	2.38
Methylene chloride	75-09-2	15.7		4.75	0.950
Naphthalene	91-20-3	14.1		9.50	0.475
n-Propylbenzene	103-65-1	15.9		4.75	0.475
Styrene	100-42-5	17.1		4.75	0.475
1,1,1,2-Tetrachloroethane	630-20-6	17.6		4.75	0.475
1,1,2,2-Tetrachloroethane	79-34-5	17.0		4.75	0.475
Tetrachloroethene	127-18-4	17.9		4.75	0.475
Toluene	108-88-3	16.8		4.75	0.475
1,2,3-Trichlorobenzene	87-61-6	12.0		4.75	0.475
1,2,4-Trichlorobenzene	120-82-1	12.9		4.75	0.475
1,1,1-Trichloroethane	71-55-6	17.8		4.75	0.475

Report Number: **L0608643**Report Date : **September 21, 2006**

00061275

Sample Number: **L0608643-10**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **W6221254**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS11**
 Prep Date: **08/31/2006 17:00**
 Cal Date: **08/30/2006 20:05**
 Run Date: **08/31/2006 17:00**
 File ID: **11M35992**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,2-Trichloroethane	79-00-5	18.1		4.75	0.475
Trichloroethene	79-01-6	17.6		4.75	0.475
Trichlorofluoromethane	75-69-4	13.5		9.50	0.950
1,2,3-Trichloropropane	96-18-4	18.0		4.75	0.950
1,2,4-Trimethylbenzene	95-63-6	15.5		4.75	0.475
1,3,5-Trimethylbenzene	108-67-8	16.2		4.75	0.475
Vinyl acetate	108-05-4	1.71	J	9.50	0.950
Vinyl chloride	75-01-4	13.9		9.50	0.950
o-Xylene	95-47-6	17.4		4.75	0.475
m-,p-Xylene	136777-61-2	34.6		4.75	0.475
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	92.5	80	120		
1,2-Dichloroethane-d4	88.9	80	120		
Toluene-d8	102	81	117		
4-Bromofluorobenzene	103	74	121		

J The analyte was positively identified, but the quantitation was below the RL

Sample Number: **L0608643-10**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **W6221796**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/07/2006 22:49**
 File ID: **5M42137**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Phenol	108-95-2	1780		181	90.4
Bis(2-Chloroethyl)ether	111-44-4	1750		181	90.4
2-Chlorophenol	95-57-8	1630		181	90.4
1,3-Dichlorobenzene	541-73-1	1550		181	90.4
1,4-Dichlorobenzene	106-46-7	1570		181	90.4
Benzyl alcohol	100-51-6	1770		181	90.4
1,2-Dichlorobenzene	95-50-1	1640		181	90.4
2-Methylphenol	95-48-7	1530		181	90.4
3-,4-Methylphenol	106-44-5	1740		181	90.4
bis(2-Chloroisopropyl)ether	39638-32-9	1650		181	90.4
N-Nitrosodipropylamine	621-64-7	1850		181	90.4
Hexachloroethane	67-72-1	1550		181	90.4
Nitrobenzene	98-95-3	1530		181	90.4
Isophorone	78-59-1	1700		181	90.4
2-Nitrophenol	88-75-5	1610		181	90.4
2,4-Dimethylphenol	105-67-9	860		181	90.4
Benzoic acid	65-85-0	2100		904	362
Bis(2-Chloroethoxy)Methane	111-91-1	1600		181	90.4
2,4-Dichlorophenol	120-83-2	1650		181	90.4
1,2,4-Trichlorobenzene	120-82-1	1510		181	90.4
Naphthalene	91-20-3	1570		181	90.4
4-Chloroaniline	106-47-8	1240		181	90.4
Hexachlorobutadiene	87-68-3	1610		181	90.4

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Report Number: **L0608643**Report Date : **September 21, 2006**

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Sample Number: **L0608643-10**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **W6221796**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/07/2006 22:49**
 File ID: **5M42137**
 Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
4-Chloro-3-methylphenol	59-50-7	1690		181	90.4
2-Methylnaphthalene	91-57-6	1620		181	90.4
Hexachlorocyclopentadiene	77-47-4	1160		181	90.4
2,4,6-Trichlorophenol	88-06-2	1760		181	90.4
2,4,5-Trichlorophenol	95-95-4	1950		181	90.4
2-Chloronaphthalene	91-58-7	1480		181	90.4
2-Nitroaniline	88-74-4	1470		904	362
Dimethylphthalate	131-11-3	1740		181	90.4
Acenaphthylene	208-96-8	1720		181	90.4
2,6-Dinitrotoluene	606-20-2	1690		181	90.4
3-Nitroaniline	99-09-2	1790		904	362
Acenaphthene	83-32-9	1830		181	90.4
2,4-Dinitrophenol	51-28-5	1610		904	362
4-Nitrophenol	100-02-7	2410		904	362
Dibenzofuran	132-64-9	1780		181	90.4
2,4-Dinitrotoluene	121-14-2	2140		181	90.4
Diethylphthalate	84-66-2	1970		181	90.4
4-Chlorophenyl-phenyl ether	7005-72-3	1660		181	90.4
Fluorene	86-73-7	1920		181	90.4
4-Nitroaniline	100-01-6	2500		904	362
4,6-Dinitro-2-methylphenol	534-52-1	2080		904	362
N-Nitrosodiphenylamine	86-30-6	1210		181	90.4
4-Bromophenyl-phenylether	101-55-3	1490		181	90.4
Hexachlorobenzene	118-74-1	1910		181	90.4
Pentachlorophenol	87-86-5	2920		904	362
Phenanthrene	85-01-8	2120		181	90.4
Anthracene	120-12-7	2150		181	90.4
Di-N-Butylphthalate	84-74-2	2590		181	90.4
Fluoranthene	206-44-0	2770		181	90.4
Pyrene	129-00-0	2540		181	90.4
Butylbenzylphthalate	85-68-7	2630		181	90.4
3,3'-Dichlorobenzidine	91-94-1	807		362	181
Benzo(a)anthracene	56-55-3	2550		181	90.4
Chrysene	218-01-9	2560		181	90.4
bis(2-Ethylhexyl)phthalate	117-81-7	2340		181	90.4
Di-n-octylphthalate	117-84-0	2830		181	90.4
Benzo(b)fluoranthene	205-99-2	2550		181	90.4
Benzo(k)fluoranthene	207-08-9	2650		181	90.4
Benzo(a)pyrene	50-32-8	2550		181	90.4
Indeno(1,2,3-cd)pyrene	193-39-5	1940		181	90.4
Dibenzo(a,h)Anthracene	53-70-3	1970		181	90.4
Benzo(g,h,i)Perylene	191-24-2	1800		181	90.4

Report Number: **L0608643**Report Date : **September 21, 2006**

00061277

Sample Number: **L0608643-10**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **WG221796**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS5**
 Prep Date: **09/01/2006 08:30**
 Cal Date: **09/05/2006 12:08**
 Run Date: **09/07/2006 22:49**
 File ID: **5M42137**
 Percent Solid: **91.0**

Surrogate	% Recovery	Lower	Upper	Qual
2-Fluorophenol	52.7	25	121	
Phenol-d5	66.1	24	113	
Nitrobenzene-d5	55.7	23	120	
2-Fluorobiphenyl	61.8	30	115	
2,4,6-Tribromophenol	58.0	19	122	
p-Terphenyl-d14	82.7	18	137	

Sample Number: **L0608643-10**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **WG221609**
 Collect Date: **08/29/2006 15:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **8330**
 Analyst: **JLS**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HPLC4**
 Prep Date: **08/31/2006 08:00**
 Cal Date: **08/10/2006 19:30**
 Run Date: **09/08/2006 15:20**
 File ID: **4L009136.F**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,3,5-Trinitrobenzene	99-35-4	0.485		0.250	0.100
1,3-Dinitrobenzene	99-65-0	0.516		0.250	0.100
2,4,6-Trinitrotoluene	118-96-7	0.409		0.250	0.100
2,4-Dinitrotoluene	121-14-2	0.525		0.250	0.100
2,6-Dinitrotoluene	606-20-2	0.599		0.260	0.100
2-Amino-4,6-dinitrotoluene	35572-78-2	0.624		0.260	0.100
2-Nitrotoluene	88-72-2	0.521		0.250	0.100
3-Nitrotoluene	99-08-1	0.523		0.250	0.100
4-Nitrotoluene	99-99-0	0.690		0.250	0.100
4-Amino-2,6-dinitrotoluene	19406-51-0	0.502		0.260	0.100
HMX	2691-41-0	0.476	J	2.20	0.100
Nitrobenzene	98-95-3	0.502		0.260	0.130
RDX	121-82-4	0.606	J	1.00	0.100
Tetryl	479-45-8	0.420	J	0.650	0.200
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	94.2	50	150		

J The analyte was positively identified, but the quantitation was below the RL

Sample Number: **L0608643-10**
 Client ID: **06SB01-01**
 Matrix: **Soil**
 Workgroup Number: **WG221485**
 Collect Date: **08/29/2006 15:20**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **09/05/2006 09:40**
 Cal Date:
 Run Date: **09/05/2006 09:40**
 File ID: **OV.0609050940-09**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	91.0		1.00	1.00

Report Number: **L0608643**Report Date : **September 21, 2006**

00061278

Sample Number: **L0608643-10**
Client ID: **06SB01-01**
Matrix: **Soil**
Workgroup Number: **W6221525**
Collect Date: **08/29/2006 15:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **METHOD**
Analytical Method: **T1005**
Analyst: **HAV**
Dilution: **1**
Units: **mg/kg**

Instrument: **HP14**
Prep Date: **09/05/2006 12:00**
Cal Date: **09/11/2006 20:33**
Run Date: **09/12/2006 09:21**
File ID: **1469210**
Percent Solid: **91.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C35		1040		54.3	27.2
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	95.9	31	130		
o-Terphenyl	99.1	70	130		

WORKGROUP SUMMARY BY METHOD

WORKGROUP SUMMARY BY METHOD

00061280

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG221164

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-08	TRIP BLANK			08/30/06 18:05	01	HPMS10	MES

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG221164

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-08	TRIP BLANK				221164	HPMS10	MES

Analysis:Explosives

Extraction Method:METH0D

Workgroup:WG221209

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-01	06SB01-01		08/31/06 08:00			SONICATION	CEB
L0608643-02	06SB01-02		08/31/06 08:00			SONICATION	CEB
L0608643-03	06SB02-01		08/31/06 08:00			SONICATION	CEB
L0608643-04	06SB02-02		08/31/06 08:00			SONICATION	CEB
L0608643-05	06SB03-01		08/31/06 08:00			SONICATION	CEB
L0608643-06	06SB03-02		08/31/06 08:00			SONICATION	CEB
L0608643-07	06SB01-01-QC		08/31/06 08:00			SONICATION	CEB
L0608643-09	06SB01-01		08/31/06 08:00			SONICATION	CEB
L0608643-10	06SB01-01		08/31/06 08:00			SONICATION	CEB

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG221254

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-01	06SB01-01			08/31/06 16:00	01	HPMS11	MES
L0608643-07	06SB01-01-QC			08/31/06 17:30	01	HPMS11	MES
L0608643-09	06SB01-01			08/31/06 16:30	01	HPMS11	MES
L0608643-10	06SB01-01			08/31/06 17:00	01	HPMS11	MES

WORKGROUP SUMMARY BY METHOD

00061281

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG221254

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-01	06SB01-01				221254	HPMS11	CMS
L0608643-07	06SB01-01-QC				221254	HPMS11	CMS
L0608643-09	06SB01-01				221254	HPMS11	CMS
L0608643-10	06SB01-01				221254	HPMS11	CMS

Analysis:Semivolatile Compounds

Extraction Method:3545

Workgroup:WG221298

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-01	06SB01-01		09/01/06 08:30			ASE	CPD
L0608643-02	06SB01-02		09/01/06 08:30			ASE	CPD
L0608643-03	06SB02-01		09/01/06 08:30			ASE	CPD
L0608643-04	06SB02-02		09/01/06 08:30			ASE	CPD
L0608643-05	06SB03-01		09/01/06 08:30			ASE	CPD
L0608643-06	06SB03-02		09/01/06 08:30			ASE	CPD
L0608643-07	06SB01-01-QC		09/01/06 08:30			ASE	CPD
L0608643-09	06SB01-01		09/01/06 08:30			ASE	CPD
L0608643-10	06SB01-01		09/01/06 08:30			ASE	CPD

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG221361

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-02	06SB01-02			09/01/06 17:15	01	HPMS11	MES
L0608643-03	06SB02-01			09/01/06 17:45	01	HPMS11	MES
L0608643-04	06SB02-02			09/01/06 18:15	01	HPMS11	MES
L0608643-05	06SB03-01			09/01/06 18:46	01	HPMS11	MES
L0608643-06	06SB03-02			09/01/06 19:15	01	HPMS11	MES

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG221361

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-02	06SB01-02				221361	HPMS11	CMS
L0608643-03	06SB02-01				221361	HPMS11	CMS
L0608643-04	06SB02-02				221361	HPMS11	CMS
L0608643-05	06SB03-01				221361	HPMS11	CMS
L0608643-06	06SB03-02				221361	HPMS11	CMS

WORKGROUP SUMMARY BY METHOD

00061282

Analysis:Percent Solids

Analytical Method:D2216-90

Workgroup:WG221485

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-01	06SB01-01			09/05/06 09:40		OVEN	TMM
L0608643-02	06SB01-02			09/05/06 09:40		OVEN	TMM
L0608643-03	06SB02-01			09/05/06 09:40		OVEN	TMM
L0608643-04	06SB02-02			09/05/06 09:40		OVEN	TMM
L0608643-05	06SB03-01			09/05/06 09:40		OVEN	TMM
L0608643-06	06SB03-02			09/05/06 09:40		OVEN	TMM
L0608643-07	06SB01-01-QC			09/05/06 09:40		OVEN	TMM
L0608643-09	06SB01-01			09/05/06 09:40		OVEN	TMM
L0608643-10	06SB01-01			09/05/06 09:40		OVEN	TMM

Analysis:TPH - Texas Method 1005

Extraction Method:METHOD

Workgroup:WG221521

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-01	06SB01-01		09/05/06 12:00			HP14	HAV
L0608643-02	06SB01-02		09/05/06 12:00			HP14	HAV
L0608643-03	06SB02-01		09/05/06 12:00			HP14	HAV
L0608643-04	06SB02-02		09/05/06 12:00			HP14	HAV
L0608643-05	06SB03-01		09/05/06 12:00			HP14	HAV
L0608643-06	06SB03-02		09/05/06 12:00			HP14	HAV
L0608643-07	06SB01-01-QC		09/05/06 12:00			HP14	HAV
L0608643-09	06SB01-01		09/05/06 12:00			HP14	HAV
L0608643-10	06SB01-01		09/05/06 12:00			HP14	HAV

Analysis:TPH - Texas Method 1005

Analytical Method:T1005

Workgroup:WG221525

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-01	06SB01-01		09/05/06 12:00	09/11/06 23:13	01	HP14	HAV
L0608643-02	06SB01-02		09/05/06 12:00	09/11/06 23:54	01	HP14	HAV
L0608643-03	06SB02-01		09/05/06 12:00	09/12/06 00:34	01	HP14	HAV
L0608643-04	06SB02-02		09/05/06 12:00	09/12/06 01:15	01	HP14	HAV
L0608643-05	06SB03-01		09/05/06 12:00	09/12/06 01:55	01	HP14	HAV
L0608643-06	06SB03-02		09/05/06 12:00	09/12/06 02:36	01	HP14	HAV
L0608643-07	06SB01-01-QC		09/05/06 12:00	09/12/06 03:16	01	HP14	HAV
L0608643-09	06SB01-01		09/05/06 12:00	09/12/06 03:57	01	HP14	HAV
L0608643-10	06SB01-01		09/05/06 12:00	09/12/06 09:21	01	HP14	HAV

WORKGROUP SUMMARY BY METHOD

00061283

Analysis:Explosives

Analytical Method:8330

Workgroup:WG221609

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-01	06SB01-01		08/31/06 08:00	09/06/06 14:32	01	HPLC4	JLS
L0608643-02	06SB01-02		08/31/06 08:00	09/06/06 15:09	01	HPLC4	JLS
L0608643-03	06SB02-01		08/31/06 08:00	09/06/06 15:47	01	HPLC4	JLS
L0608643-04	06SB02-02		08/31/06 08:00	09/06/06 16:24	01	HPLC4	JLS
L0608643-05	06SB03-01		08/31/06 08:00	09/06/06 17:01	01	HPLC4	JLS
L0608643-06	06SB03-02		08/31/06 08:00	09/06/06 17:38	01	HPLC4	JLS
L0608643-07	06SB01-01-QC		08/31/06 08:00	09/06/06 18:15	01	HPLC4	JLS
L0608643-09	06SB01-01		08/31/06 08:00	09/08/06 14:43	01	HPLC4	JLS
L0608643-10	06SB01-01		08/31/06 08:00	09/08/06 15:20	01	HPLC4	JLS

Analysis:Semivolatile Compounds

Analytical Method:8270C

Workgroup:WG221796

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0608643-01	06SB01-01		09/01/06 08:30	09/07/06 21:43	01	HPMS5	ALT
L0608643-02	06SB01-02		09/01/06 08:30	09/08/06 19:09	DL01	HPMS5	ALT
L0608643-03	06SB02-01		09/01/06 08:30	09/07/06 23:23	01	HPMS5	ALT
L0608643-04	06SB02-02		09/01/06 08:30	09/07/06 18:59	01	HPMS5	ALT
L0608643-05	06SB03-01		09/01/06 08:30	09/08/06 00:30	DL01	HPMS5	ALT
L0608643-06	06SB03-02		09/01/06 08:30	09/07/06 19:31	01	HPMS5	ALT
L0608643-07	06SB01-01-QC		09/01/06 08:30	09/07/06 23:56	01	HPMS5	ALT
L0608643-09	06SB01-01		09/01/06 08:30	09/07/06 22:16	01	HPMS5	ALT
L0608643-10	06SB01-01		09/01/06 08:30	09/07/06 22:49	01	HPMS5	ALT

Kemron Environmental Services
Analyst Listing
September 21, 2006

00061284

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
ARA - ADRIAN R. ACHTERMANN	BRG - BRENDA R. GREGORY	CAA - CASSIE A. AUGENSTEIN
CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH	CEB - CHAD E. BARNES
CFB - CHAD F. BOOK	CLC - CHRYS L. CRAWFORD	CLS - CARA L. STRICKLER
CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN	CMS - CRYSTAL M. STEPHENS
CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN	CSA - LUCINDA S. ARNOLD
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DR - DEANNA ROBERTS
DRP - DAVE R. PITZER	DSM - DAVID S. MOSSOR	DST - DENNIS S. TEPE
ECL - ERIC C. LAWSON	ED - EMILY E. DECKER	FJB - FRANCES J. BOLDEN
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JKT - JANE K. THOMPSON
JLS - JANICE L. SCHIMMEL	JNB - JOSHUA N. BOOTH	JS - JENNIFER L. SOUTHALL
JWR - JOHN W. RICHARDS	JWS - JACK W. SHEAVES	JYH - JI Y. HU
KCZ - KEVIN C. ZUMBRO	KEB - KATHRYN E. BARNES	KHR - KIM H. RHODES
KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF	LSB - LESLIE S. BUCINA
MDA - MIKE D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
PAS - PATRICK A. STREET	PJM - PAUL J. MILLER	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RNP - RICK N. PETTY
RWC - RODNEY W. CAMPBELL	SCM - SUSAN C. MOELLENDICK	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	SRM - SAMUEL R. MCFEE
TMB - TIFFANY M. BAILEY	TMM - TAMMY M. MORRIS	VC - VICKI COLLIER
WFM - WALTER F. MARTIN		

Qualkey: STD

<u>Qualifier</u>	<u>Description</u>
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	Analyte present in method blank
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
FL	Free Liquid
I	Semiquantitative result (out of instrument calibration range)
J	The analyte was positively identified, but the quantitation was below the RL
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	ESTIMATE & COLUMNS DON'T AGREE TO WITHIN 40%
L	Sample reporting limits elevated due to matrix interference
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Tentatively identified compound(TIC)
NA	Not applicable
ND	Not detected at or above the reporting limit
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria fail. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Undetected; the concentration is below the reported MDL.
UJ	Undetected; the MDL and RL are estimated due to quality control discrepancies.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

Organic QA/QC

KEMRON Environmental Services Data Checklist

00061287

Date: 23 - AUG - 2006
 Analyst: MES
 Analyst: NA
 Method: 8260/624
 Instrument: HPMS10
 Curve Workgroup: NA
 Runlog ID: 11907
 Analytical Workgroups: WG220547

System Performance Check	NA
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	NA
Project/Client Specific Requirements	NA
Special Standards	NA
Blanks	NA
TCL's	NA
Surrogates	NA
LCS (Laboratory Control Sample)	NA
Recoveries	NA
Surrogates	NA
MS/MSD/Duplicates	NA
Samples	NA
TCL Hits	NA
Spectra of TCL Hits	NA
Surrogates	NA
Internal Standards Criteria	NA
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	NA
Reruns	X
Manual Integrations	X
Case Narrative	NA
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	MES
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
24 - AUG - 2006



Secondary Reviewer:
28 - AUG - 2006



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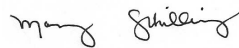
KEMRON Environmental Services Data Checklist

00061288

Date: 24-AUG-2006
 Analyst: MES
 Analyst: NA
 Method: 8260
 Instrument: HPMS10
 Curve Workgroup: NA
 Runlog ID: 11936
 Analytical Workgroups: WG220679

System Performance Check	NA
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	NA
Samples	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	X
Reruns	NA
Manual Integrations	X
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	MES
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
25-AUG-2006



Secondary Reviewer:
28-AUG-2006



Generated: AUG -28-2006 09:18:01

KEMRON Environmental Services Data Checklist

00061289

Date: 30 - AUG - 2006
 Analyst: MES
 Analyst: NA
 Method: 8260
 Instrument: HPMS10
 Curve Workgroup: NA
 Runlog ID: 12051
 Analytical Workgroups: WG221164

System Performance Check	NA
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	X
Reruns	X
Manual Integrations	X
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	MES
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
01 - SEP - 2006



Secondary Reviewer:
05 - SEP - 2006



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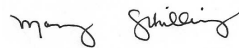
KEMRON Environmental Services Data Checklist

00061290

Date: 30 - AUG - 2006
 Analyst: CMS
 Analyst: MES
 Method: 8260
 Instrument: HPMS11
 Curve Workgroup: NA
 Runlog ID: 12035
 Analytical Workgroups: WG221175

System Performance Check	NA
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	NA
Project/Client Specific Requirements	NA
Special Standards	NA
Blanks	NA
TCL's	NA
Surrogates	NA
LCS (Laboratory Control Sample)	NA
Recoveries	NA
Surrogates	NA
MS/MSD/Duplicates	NA
Samples	NA
TCL Hits	NA
Spectra of TCL Hits	NA
Surrogates	NA
Internal Standards Criteria	NA
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	NA
Reruns	X
Manual Integrations	X
Case Narrative	NA
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	MES
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
31 - AUG - 2006



Secondary Reviewer:
31 - AUG - 2006



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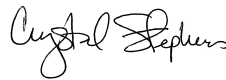
KEMRON Environmental Services Data Checklist

00061291

Date: 31 - AUG - 2006
 Analyst: MES
 Analyst: CMS
 Method: 8260B
 Instrument: HPMS11
 Curve Workgroup: NA
 Runlog ID: 12100
 Analytical Workgroups: WG221254

System Performance Check	X
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	X
Calculations & Correct Factors	X
Dilutions Run	NA
Reruns	X
Manual Integrations	X
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	CMS
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
06 - SEP - 2006



Secondary Reviewer:
06 - SEP - 2006



Generated: SEP -06 -2006 14:20:40

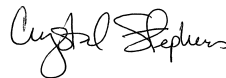
KEMRON Environmental Services Data Checklist

00061292

Date: 01-SEP-2006
 Analyst: MES
 Analyst: CMS
 Method: 8260B
 Instrument: HPMS11
 Curve Workgroup: NA
 Runlog ID: 12103
 Analytical Workgroups: WG221361

System Performance Check	X
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	NA
Reruns	X
Manual Integrations	NA
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	CMS
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
06-SEP-2006



Secondary Reviewer:
07-SEP-2006



Generated: SEP-07-2006 15:48:40

KEMRON Environmental Services

Instrument Run Log

00061293

Instrument: HPMS10 Dataset: 082306
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 624 SOP: MSV10 Rev: 9
 Method: 5030B SOP: PAT01 Rev: 10
 Maintenance Log ID: 15322

Internal Standard: STD14584 Surrogate Standard: STD14435
 CCV: STD14630 LCS: STD14634 MS/MSD: NA
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG220547

Comments: Files 10M48261 to 10M48269 are for tuning purposes only.

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	10M48261	WG220547-01 50NG BFB STD 8260	NA	1	1	STD14237	08/23/06 08:52
2	10M48262	WG220547-01 50NG BFB STD 8260	NA	1	1	STD14237	08/23/06 09:08
3	10M48263	WG220547-01 50NG BFB STD 8260	NA	1	1	STD14237	08/23/06 09:36
4	10M48265	WG220547-01 50NG BFB STD 8260	NA	1	1	STD14237	08/23/06 10:05
5	10M48266	WG220547-01 50NG BFB STD 8260	NA	1	1	STD14237	08/23/06 10:34
6	10M48267	WG220547-01 50NG BFB STD 8260	NA	1	1	STD14237	08/23/06 11:04
7	10M48268	WG220547-01 50NG BFB STD 8260	NA	1	1	STD14237	08/23/06 11:17
8	10M48269	WG220547-01 50NG BFB STD 8260	NA	1	1	STD14237	08/23/06 11:49
9	10M48270	WG220547-01 50NG BFB STD 8260	NA	1	1	STD14237	08/23/06 12:03
10	10M48271	WG220547-02 0.3 ug/L WATER STD 8260	NA	1	1	STD14456	08/23/06 12:30
11	10M48272	WG220547-03 0.4 ug/L WATER STD 8260	NA	1	1	STD14630	08/23/06 13:09
12	10M48273	WG220547-04 1 ug/L WATER STD 8260	NA	1	1	STD14630	08/23/06 13:40
13	10M48274	WG220547-03 0.4 ug/L WATER STD 8260	NA	1	1	STD14630	08/23/06 14:13
14	10M48275	WG220547-05 2 ug/L WATER STD 8260	NA	1	1	STD14630	08/23/06 14:44
15	10M48276	WG220547-03 0.4 ug/L WATER STD 8260	NA	1	1	STD14630	08/23/06 15:15
16	10M48277	WG220547-06 5 ug/L WATER STD 8260	NA	1	1	STD14630	08/23/06 15:45
17	10M48278	WG220547-03 0.4 ug/L WATER STD 8260	NA	1	1	STD14630	08/23/06 16:17
18	10M48279	WG220547-08 20 ug/L WATER STD 8260	NA	1	1	STD14630	08/23/06 16:48
19	10M48280	WG220547-07 10 ug/L WATER STD 8260	NA	1	1	STD14630	08/23/06 17:18
20	10M48281	WG220547-09 50 ug/L WATER STD 8260	NA	1	1	STD14630	08/23/06 17:48
21	10M48282	WG220547-10 100 ug/L WATER STD 8260	NA	1	1	STD14630	08/23/06 18:19
22	10M48283	WG220547-11 200 ug/L WATER STD 8260	NA	1	1	STD14630	08/23/06 18:49
23	10M48284	SYSTEM BLANK	NA	1	1		08/23/06 19:19
24	10M48285	SYSTEM BLANK	NA	1	1		08/23/06 19:50
25	10M48286	WG220547-12 20ug/L ALT SOURCE	NA	1	1	STD14611	08/23/06 20:20
26	10M48287	SYSTEM BLANK	NA	1	1		08/23/06 20:51
27	10M48288	SYSTEM BLANK	NA	1	1		08/23/06 21:21

Comments

Seq.	Rerun	Dil.	Reason	Analytes
1				

Approved: August 28, 2006

Page: 1 of 2



KEMRON Environmental Services

Instrument Run Log

00061294

Instrument: HPMS10 Dataset: 082306
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 624 SOP: MSV10 Rev: 9
 Method: 5030B SOP: PAT01 Rev: 10
 Maintenance Log ID: 15322

Internal Standard: STD14584 Surrogate Standard: STD14435
 CCV: STD14630 LCS: STD14634 MS/MSD: NA
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG220547

Comments

Seq.	Rerun	Dil.	Reason	Analytes
File ID: 10M48261				
Tuning.				
8				
File ID: 10M48269				
Tuning.				
11				
File ID: 10M48272				
Do not report.				
13				
File ID: 10M48274				
Do not report.				
15				
File ID: 10M48276				
Do not report.				
25				
File ID: 10M48286				
Do not report. RR-2-butanone is high.				

Approved: August 28, 2006

Page: 2 of 2



KEMRON Environmental Services

Instrument Run Log

00061295

Instrument: HPMS10 Dataset: 082406
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 10

Maintenance Log ID: 15340

Internal Standard: STD14584 Surrogate Standard: STD14435
 CCV: STD14630 LCS: STD14634 MS/MSD: NA
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG220679

Comments: Archon errored-sequence did not finish.

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	10M48290	WG220678-01 50NG BFB STD 8260	NA	1	1	STD14237	08/24/06 10:48
2	10M48291	WG220678-01 50NG BFB STD 8260	NA	1	1	STD14237	08/24/06 11:02
3	10M48292	WG220678-01 50NG BFB STD 8260	NA	1	1	STD14237	08/24/06 11:50
4	10M48293	WG220678-02 50 ug/L WATER STD 8260	NA	1	1	STD14630	08/24/06 12:22
5	10M48294	SYSTEM BLANK	NA	1	1		08/24/06 12:53
6	10M48295	WG220547-12 20ug/L ALT SOURCE 8260	NA	1	1	STD14634	08/24/06 13:23
7	10M48296	WG220679-01 VBLK0824 BLANK 8260	NA	1	1		08/24/06 13:55
8	10M48297	WG220679-02 20ug/L LCS 8260	NA	1	1	STD14634	08/24/06 14:26
9	10M48298	WG220679-03 20ug/L LCSDUP 8260	NA	1	1	STD14634	08/24/06 14:57
10	10M48299	L0608410-10 B D1 10X 826-LOW	<2	1	10		08/24/06 15:27
11	10M48300	L0608501-12 A 826-SPE	<2	1	1		08/24/06 15:57
12	10M48301	L0608501-02 A 826-SPE	<2	1	1		08/24/06 16:28
13	10M48302	L0608501-04 A 826-SPE	<2	1	1		08/24/06 16:58
14	10M48303	L0608501-05 A 826-SPE	<2	1	1		08/24/06 17:29
15	10M48304	L0608501-06 A 826-SPE	<2	1	1		08/24/06 18:00
16	10M48305	L0608501-07 A 826-SPE	<2	1	1		08/24/06 18:33
17	10M48306	L0608501-08 A 826-SPE	<2	1	1		08/24/06 19:03
18	10M48307	L0608501-15 A 826-SPE	<2	1	1		08/24/06 19:35

Comments

Seq.	Rerun	Dil.	Reason	Analytes
1				
File ID:10M48290				
RR-BFB failed.				
2				
File ID:10M48291				
RR-BFB failed. Baked out for 30 minutes.				

Approved: August 28, 2006

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KEMRON Environmental Services

Instrument Run Log

00061296

Instrument: HPMS10 Dataset: 083006
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 10

Maintenance Log ID: 15441

Internal Standard: STD14584 Surrogate Standard: STD14435
 CCV: STD14630 LCS: STD14634 MS/MSD: STD14634
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG221164

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	10M48423	WG221163-01 50NG BFB STD 8260	NA	1	1	STD14237	08/30/06 11:02
2	10M48424	WG221163-02 50 ug/L WATER STD 8260	NA	1	1	STD14630	08/30/06 11:23
3	10M48425	WG221164-01 VBLK0830 BLANK 8260	NA	1	1		08/30/06 11:55
4	10M48426	WG221164-02 20ug/L LCS 8260	NA	1	1	STD14634	08/30/06 12:25
5	10M48427	L0608603-05 B D1 10X 826-LOW	<2	1	10		08/30/06 12:56
6	10M48428	L0608603-10 B D1 10X 826-LOW	<2	1	10		08/30/06 13:26
7	10M48429	L0607001-01 8260	NA	1	1		08/30/06 13:57
8	10M48430	L0607002-01 8260	NA	1	1		08/30/06 14:28
9	10M48431	L0608603-06 A 826-LOW	<2	1	1		08/30/06 14:59
10	10M48432	L0608603-07 MS A 826-LOW	<2	1	1	STD14634	08/30/06 15:30
11	10M48433	L0608603-08 MSD A 826-LOW	<2	1	1	STD14634	08/30/06 16:01
12	10M48434	L0608588-01 A 50X 826-SPE	<2	1	50		08/30/06 16:32
13	10M48435	L0608603-11 B D1 10X 826-LOW	<2	1	10		08/30/06 17:03
14	10M48436	L0608603-12 B D1 10X 826-LOW	<2	1	10		08/30/06 17:34
15	10M48437	L0608643-08 A 826-LOW	<2	1	1		08/30/06 18:05
16	10M48438	L0608644-08 A 826-LOW	<2	1	1		08/30/06 18:36
17	10M48439	L0608645-08 A 826-LOW	<2	1	1		08/30/06 19:07
18	10M48440	L0608628-01 A 826-LOW	<2	1	1		08/30/06 19:38
19	10M48441	L0608628-05 A 826-LOW	<2	1	1		08/30/06 20:09
20	10M48442	L0608628-06 A 826-LOW	<2	1	1		08/30/06 20:39
21	10M48443	L0608628-07 A 826-LOW	<2	1	1		08/30/06 21:10
22	10M48444	L0608628-10 A 826-LOW	<2	1	1		08/30/06 21:41
23	10M48445	L0608628-12 A 826-LOW	<2	1	1		08/30/06 22:12
24	10M48446	L0608628-13 A 826-LOW	<2	1	1		08/30/06 22:44
25	10M48447	SYSTEM BLANK	NA	1	1		08/30/06 23:14
26	10M48448	NEW VIALS 8/30/06	NA	1	1		08/30/06 23:45
27	10M48449	NEW VIALS 8/30/06	NA	1	1		08/31/06 00:17

Comments

Seq.	Rerun	Dil.	Reason	Analytes
7				

Approved: September 05, 2006

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KEMRON Environmental Services

Instrument Run Log

00061297

Instrument: HPMS10 Dataset: 083006
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 10

Maintenance Log ID: 15441

Internal Standard: STD14584 Surrogate Standard: STD14435
 CCV: STD14630 LCS: STD14634 MS/MSD: STD14634
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG221164

Comments

Seq.	Rerun	Dil.	Reason	Analytes
File ID: 10M48429				
Do not report.				
8				
File ID: 10M48430				
Do not report.				
22	X	10	Over Calibration Range	TCE
File ID: 10M48444				

Approved: September 05, 2006

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KEMRON Environmental Services

Instrument Run Log

00061298

Instrument: HPMS11 Dataset: 083006
 Analyst1: CMS Analyst2: MES
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030/5035 SOP: PAT01 Rev: 10

Maintenance Log ID: 15427

Internal Standard: STD14453 Surrogate Standard: STD14270
 CCV: STD14744 LCS: STD14634 MS/MSD: NA
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG221175

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	11M35960	L0608588-01 C 10X SCREEN	NA	1	10		08/30/06 09:14
2	11M35961	SYSTEM BLANK	NA	1	1		08/30/06 10:07
3	11M35962	SYSTEM BLANK	NA	1	1		08/30/06 10:38
4	11M35963	SYSTEM BLANK	NA	1	1		08/30/06 11:09
5	11M35966	WG221176-01 50NG BFB STD 8260	NA	7	1	STD14237	08/30/06 14:05
6	11M35967	WG221176-02 50ug/Kg SOIL STD 8260	NA	7	1	STD14630	08/30/06 14:29
7	11M35968	WG221176-02 50ug/Kg SOIL STD 8260	NA	7	1	STD14630	08/30/06 15:03
8	11M35969	WG221177-01 VBLK0830 BLANK 8260	NA	7	1		08/30/06 15:35
9	11M35970	WG221175-01 50NG BFB STD 8260	NA	7	1	STD14237	08/30/06 16:11
10	11M35971	WG221175-02 0.5 ug/Kg SOIL STD 8260	NA	7	1	STD14630	08/30/06 16:37
11	11M35972	WG221175-03 2 ug/Kg SOIL STD 8260	NA	7	1	STD14744	08/30/06 17:07
12	11M35973	WG221175-04 5 ug/Kg SOIL STD 8260	NA	7	1	STD14744	08/30/06 17:36
13	11M35974	WG221175-05 10 ug/Kg SOIL STD 8260	NA	7	1	STD14744	08/30/06 18:06
14	11M35975	WG221175-06 20 ug/Kg SOIL STD 8260	NA	7	1	STD14744	08/30/06 18:36
15	11M35976	WG221175-07 50 ug/Kg SOIL STD 8260	NA	7	1	STD14744	08/30/06 19:06
16	11M35977	WG221175-08 100 ug/Kg SOIL STD 8260	NA	7	1	STD14744	08/30/06 19:35
17	11M35978	WG221175-09 200 ug/Kg SOIL STD 8260	NA	7	1	STD14744	08/30/06 20:05
18	11M35979	SYSTEM BLANK	NA	7	1		08/30/06 20:34
19	11M35980	WG221176-10 20ug/Kg ALT SOURCE 826	NA	7	1	STD14634	08/30/06 21:04

Comments

Seq.	Rerun	Dil.	Reason	Analytes
7				
File ID: 11M35968				
Failed-run a curve.				
19				
File ID: 11M35980				
RR-naphthalene is high.				

Approved: August 31, 2006

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KEMRON Environmental Services

Instrument Run Log

00061299

Instrument: HPMS11 Dataset: 083106
 Analyst1: MES Analyst2: CMS
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 10

Maintenance Log ID: 15487

Internal Standard: STD14453 Surrogate Standard: STD14270
 CCV: STD14744 LCS: STD14634 MS/MSD: STD14634
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG221254

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	11M35982	WG221253-01 50NG BFB STD 8260	NA	7	1	STD14237	08/31/06 12:00
2	11M35983	WG221253-01 50NG BFB STD 8260	NA	7	1	STD14237	08/31/06 12:12
3	11M35984	WG221253-01 50NG BFB STD 8260	NA	7	1	STD14237	08/31/06 13:09
4	11M35985	WG221253-02 50 ug/Kg SOIL STD 8260	NA	7	1	STD14744	08/31/06 13:32
5	11M35986	SYSTEM BLANK	NA	7	1		08/31/06 14:02
6	11M35987	WG221175-10 20ug/Kg ALT SOURCE 826	NA	7	1	STD14634	08/31/06 14:32
7	11M35988	WG221254-01 VBLK0831 BLANK 8260	NA	7	1		08/31/06 15:01
8	11M35989	WG221254-02 20ug/Kg LCS 8260	NA	7	1	STD14634	08/31/06 15:31
9	11M35990	WG221254-03 L0608643-01 A 0.9X 8260	NA	7	1		08/31/06 16:00
10	11M35991	WG221254-04 L0608643-09 MS A 1X 826	NA	7	1		08/31/06 16:30
11	11M35992	WG221254-05 L0608643-10 MSD A 0.9X 8	NA	7	1		08/31/06 17:00
12	11M35993	L0608643-07 A 0.9X 8260	NA	7	1		08/31/06 17:30
13	11M35994	L0608598-09 8260	NA	7	1		08/31/06 18:00
14	11M35995	L0608656-01 A 1X 826-SPE	NA	7	1		08/31/06 18:31
15	11M35996	L0608656-02 A 0.9X 826-SPE	NA	7	1		08/31/06 19:00
16	11M35997	L0608656-03 A 1X 826-SPE	NA	7	1		08/31/06 19:29
17	11M35998	L0608656-04 A 0.9X 826-SPE	NA	7	1		08/31/06 19:59
18	11M35999	L0608656-05 A 0.9X 826-SPE	NA	7	1		08/31/06 20:29
19	11M36000	L0608656-06 A 0.9X 826-SPE	NA	7	1		08/31/06 21:00
20	11M36001	L0608656-07 A 0.9X 826-SPE	NA	7	1		08/31/06 21:30
21	11M36002	L0608656-08 A 0.9X 826-SPE	NA	7	1		08/31/06 22:00
22	11M36003	L0608656-09 A 0.9X 826-SPE	NA	7	1		08/31/06 22:31
23	11M36004	L0608656-10 A 0.9X 826-SPE	NA	7	1		08/31/06 23:00
24	11M36005	L0608656-11 A 0.9X 826-SPE	NA	7	1		08/31/06 23:31
25	11M36006	L0608656-12 A 1X 826-SPE	NA	7	1		09/01/06 00:01
26	11M36007	L0608656-13 A 0.9X 826-SPE	NA	7	1		09/01/06 00:31
27	11M36008	SYSTEM BLANK	NA	7	1		09/01/06 01:01
28	11M36009	5035 BLANK A 8/30/06	NA	7	1		09/01/06 01:31

Comments

Seq.	Rerun	Dil.	Reason	Analytes

Approved: September 06, 2006

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KEMRON Environmental Services

Instrument Run Log

00061300

Instrument: HPMS11 Dataset: 083106
 Analyst1: MES Analyst2: CMS
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 10

Maintenance Log ID: 15487

Internal Standard: STD14453 Surrogate Standard: STD14270
 CCV: STD14744 LCS: STD14634 MS/MSD: STD14634
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG221254

Comments

Seq.	Rerun	Dil.	Reason	Analytes
1	X			
File ID: 11M35982				
Tune failed/DNR				
2	X			
File ID: 11M35983				
Tune failed/DNR-Replaced setpa after injection				
25	X	100	Over Calibration Range	o-Xyl.
File ID: 11M36006				

Approved: September 06, 2006

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KEMRON Environmental Services

Instrument Run Log

00061301

Instrument: HPMS11 Dataset: 090106
 Analyst1: MES Analyst2: CMS
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 10

Maintenance Log ID: 15490

Internal Standard: STD14453 Surrogate Standard: STD14270
 CCV: STD14744 LCS: STD14634 MS/MSD: STD14634
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG221361

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	11M36011	WG221360-01 50NG BFB STD 8260	NA	7	1	STD14237	09/01/06 12:21
2	11M36012	WG221360-02 50 ug/Kg SOIL STD 8260	NA	7	1	STD14744	09/01/06 12:45
3	11M36013	WG221360-02 50 ug/Kg SOIL STD 8260	NA	7	1	STD14744	09/01/06 13:16
4	11M36014	WG221361-01 VBLK0901 BLANK 8260	NA	7	1		09/01/06 13:46
5	11M36015	WG221361-02 20ug/Kg LCS 8260	NA	7	1	STD14634	09/01/06 14:16
6	11M36016	WG221361-01 VBLK0901 BLANK 8260	NA	7	1		09/01/06 14:46
7	11M36017	L0608656-14 A 0.9X 826-SPE	NA	7	1		09/01/06 15:15
8	11M36018	WG221361-03 L0608644-01 A 1.1X 8260	NA	7	1		09/01/06 15:45
9	11M36019	WG221361-04 L0608644-09 MS A 0.9X 826	NA	7	1		09/01/06 16:15
10	11M36020	WG221361-05 L0608644-10 MSD A 1X 826	NA	7	1		09/01/06 16:45
11	11M36021	L0608643-02 A 1X 8260	NA	7	1		09/01/06 17:15
12	11M36022	L0608643-03 A 0.9X 8260	NA	7	1		09/01/06 17:45
13	11M36023	L0608643-04 A 0.9X 8260	NA	7	1		09/01/06 18:15
14	11M36024	L0608643-05 A 0.8X 8260	NA	7	1		09/01/06 18:46
15	11M36025	L0608643-06 A 1.1X 8260	NA	7	1		09/01/06 19:15
16	11M36026	L0608644-02 A 0.9X 8260	NA	7	1		09/01/06 19:45
17	11M36027	L0608644-03 A 1X 8260	NA	7	1		09/01/06 20:15
18	11M36028	L0608644-04 A 1.1X 8260	NA	7	1		09/01/06 20:45
19	11M36029	L0608644-05 A 1X 8260	NA	7	1		09/01/06 21:16
20	11M36030	L0608644-06 A 0.8X 8260	NA	7	1		09/01/06 21:46
21	11M36031	L0608644-07 A 1.1X 8260	NA	7	1		09/01/06 22:16
22	11M36032	L0608645-02 A 0.9X 8260	NA	7	1		09/01/06 22:47
23	11M36033	L0608645-03 A 0.9X 8260	NA	7	1		09/01/06 23:17
24	11M36034	L0608645-04 A 1X 8260	NA	7	1		09/01/06 23:48
25	11M36035	L0608645-05 A 0.9X 8260	NA	7	1		09/02/06 00:18
26	11M36036	SYSTEM BLANK	NA	7	1		09/02/06 00:49
27	11M36037	L0608435-06 A 826-REF-BLK	NA	7	1		09/02/06 01:20
28	11M36038	L0608435-07 A 826-REF-BLK	NA	7	1		09/02/06 01:50
29	11M36039	L0608435-08 A 826-REF-BLK	NA	7	1		09/02/06 02:21

Comments

Approved: September 07, 2006

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KEMRON Environmental Services

Instrument Run Log

00061302

Instrument: HPMS11 Dataset: 090106
 Analyst1: MES Analyst2: CMS
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 10

Maintenance Log ID: 15490

Internal Standard: STD14453 Surrogate Standard: STD14270
 CCV: STD14744 LCS: STD14634 MS/MSD: STD14634
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG221361

Comments

Seq.	Rerun	Dil.	Reason	Analytes
2	X		Check Standard Failure	
File ID: 11M36012				
DNR				
4	X		Carry-over contamination	
File ID: 11M36014				
DNR				
20	X	100	Over Calibration Range	Acetone
File ID: 11M36030				
DNR				
21	X		Carry-over contamination	
File ID: 11M36031				
DNR				

Approved: September 07, 2006

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VOA Preservation and Extraction Log

Analyst: FOB/mog Date Preserved: 8-30-06 Method: 8260

Client	Sample #	Fraction ID	Date Collected	Time Collected	Time Preserved	Tare Wt. (g)	Total Wt. (g)	Sample Wt. (g)	Water Vol. (mL)	Methanol Vol. (mL)	Comments	Team Notified
Shaw Alliance 788 L0608643	-01	A	8-29-06	↓	14:02	NA	NA	5.76	5	NA	B	
	-01	B						6.14				
	-01	A		15:30	14:05			4.87				
	-02	B		↓				5.46				
	-03	A		15:40	14:08			5.68				
	-03	B		↓				5.03				
	-04	A		15:45	14:10			5.35				
	-04	B		↓				5.21				
	-05	A		15:50	14:13			6.07				
	-05	B		↓				5.94				
Shaw Alliance 788 L0608645	-06	A		16:00	14:15			4.62				
	-06	B		↓				4.42				
	-07	A		15:20	14:17			5.62				
	-07	B		↓				5.86				
	-09	A		15:20	14:20			5.19				
	-10	A		15:20	14:22			5.78				
	Blank	A	NA	NA	NA	NA	NA	5.00	5	NA		
		B		↓				5.00	↓			
		C		↓				5.00	NA	10		
		A	8-29-06	9:35	Before 1600	NA	NA	5.14	5	NA		
Shaw Alliance 788 L0608645	-01	B		↓				5.82	↓			
	-01	C		↓				6.14	NA	10		
	-02	A		10:00				5.71	5	NA		
	-02	B		↓				5.41	↓			

00061303

Comments:

- 1 = improperly sealed cap
- 2 = preserved out of hold (past 48 hours from time of collection)

3 = effervesced

4 = preserved with NaHSO₄ (sodium bisulfate)

5 = preserved by freezing

Methanol (Manufacturer, Lot #) B+J 60038

NaHSO₄ (Manufacturer, Lot #) NA

Reviewed by: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061304

Analytical Method: 8260B
Login Number: L0608643

AAB#: WG221164

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
TRIP BLANK	08/29/06	08/30/06	08/30/06	14	1.75	08/30/06	14	1.75	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061305

Analytical Method: 8260B
Login Number: L0608643

AAB#: WG221254

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
06SB01-01	08/29/06	08/30/06	08/31/06	14	2.03	08/31/06	14	2.03	
06SB01-01-QC	08/29/06	08/30/06	08/31/06	14	2.09	08/31/06	14	2.09	
06SB01-01	08/29/06	08/30/06	08/31/06	14	2.05	08/31/06	14	2.05	
06SB01-01	08/29/06	08/30/06	08/31/06	14	2.07	08/31/06	14	2.07	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061306

Analytical Method: 8260B
Login Number: L0608643

AAB#: WG221361

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
06SB01-02	08/29/06	08/30/06	09/01/06	14	3.07	09/01/06	14	3.07	
06SB02-01	08/29/06	08/30/06	09/01/06	14	3.09	09/01/06	14	3.09	
06SB02-02	08/29/06	08/30/06	09/01/06	14	3.10	09/01/06	14	3.10	
06SB03-01	08/29/06	08/30/06	09/01/06	14	3.12	09/01/06	14	3.12	
06SB03-02	08/29/06	08/30/06	09/01/06	14	3.14	09/01/06	14	3.14	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

00061307

Login Number: L0608643
Instrument Id: HPMS10
Workgroup (AAB#): WG221164

Method: 8260
CAL ID: HPMS10 - 23-AUG-06
Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4
L0608643-08	1.00	01	112	105	105	101
WG221164-01	1.00	01	105	105	101	102
WG221164-02	1.00	01	106	105	101	101

Surrogates		Surrogate Limits		
1	- 1,2-Dichloroethane-d4	80	-	120
2	- Dibromofluoromethane	86	-	118
3	- 4-Bromofluorobenzene	86	-	115
4	- Toluene-d8	88	-	110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

00061308

Login Number: L0608643
 Instrument Id: HPMS11
 Workgroup (AAB#): WG221254

Method: 8260
 CAL ID: HPMS11 - 30-AUG-06
 Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3	4
L0608643-01	1.00	01	91.2	93.9	104	102
L0608643-07	1.00	01	92.5	92.7	106	105
L0608643-09	1.00	01	89.6	91.4	104	91.9
L0608643-10	1.00	01	88.9	92.5	103	102
WG221254-01	1.00	01	91.4	95.1	106	95.4
WG221254-02	1.00	01	91.0	93.9	107	105

Surrogates	Surrogate Limits		
1 - 1,2-Dichloroethane-d4	80	-	120
2 - Dibromofluoromethane	80	-	120
3 - 4-Bromofluorobenzene	74	-	121
4 - Toluene-d8	81	-	117

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

00061309

Login Number: L0608643
 Instrument Id: HPMS11
 Workgroup (AAB#): WG221361

Method: 8260
 CAL ID: HPMS11 - 30-AUG-06
 Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3	4
L0608643-02	1.00	01	94.9	95.9	113	110
L0608643-03	1.00	01	95.9	95.1	104	105
L0608643-04	1.00	01	97.5	97.7	104	104
L0608643-05	1.00	01	97.6	96.6	105	91.8
L0608643-06	1.00	01	97.4	95.6	100	102
WG221361-01	1.00	01	93.5	94.8	104	105
WG221361-02	1.00	01	89.5	89.6	103	97.9

Surrogates	Surrogate Limits		
1 - 1,2-Dichloroethane-d4	80	-	120
2 - Dibromofluoromethane	80	-	120
3 - 4-Bromofluorobenzene	74	-	121
4 - Toluene-d8	81	-	117

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

METHOD BLANK SUMMARY

00061310

Login Number: L0608643
Blank File ID: 10M48425
Date Analyzed: 08/30/06
Time Analyzed: 11:55
Analyst: MES

Work Group: WG221164
Blank Sample ID: WG221164-01
Instrument ID: HPMS10
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG221164-02	10M48426	08/30/06 12:25	01
TRIP BLANK	L0608643-08	10M48437	08/30/06 18:05	01

METHOD BLANK SUMMARY

00061311

Login Number: L0608643
Blank File ID: 11M35988
Date Analyzed: 08/31/06
Time Analyzed: 15:01
Analyst: MES

Work Group: WG221254
Blank Sample ID: WG221254-01
Instrument ID: HPMS11
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG221254-02	11M35989	08/31/06 15:31	01
06SB01-01	L0608643-01	11M35990	08/31/06 16:00	01
06SB01-01	L0608643-09	11M35991	08/31/06 16:30	01
06SB01-01	L0608643-10	11M35992	08/31/06 17:00	01
06SB01-01-QC	L0608643-07	11M35993	08/31/06 17:30	01

METHOD BLANK SUMMARY

00061312

Login Number: L0608643
Blank File ID: 11M36016
Date Analyzed: 09/01/06
Time Analyzed: 14:46
Analyst: MES

Work Group: WG221361
Blank Sample ID: WG221361-01
Instrument ID: HPMS11
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG221361-02	11M36015	09/01/06 14:16	01
06SB01-02	L0608643-02	11M36021	09/01/06 17:15	01
06SB02-01	L0608643-03	11M36022	09/01/06 17:45	01
06SB02-02	L0608643-04	11M36023	09/01/06 18:15	01
06SB03-01	L0608643-05	11M36024	09/01/06 18:46	01
06SB03-02	L0608643-06	11M36025	09/01/06 19:15	01

METHOD BLANK REPORT

00061313

Login Number: L0608643 Run Date: 08/30/2006 Sample ID: WG221164-01
 Instrument ID: HPMS10 Run Time: 11:55 Prep Method: 5030B
 File ID: 10M48425 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG221164 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-AUG-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.500	1.00	0.500	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.200	1.00	0.200	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.664	1	J

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METHOD BLANK REPORT

00061314

Login Number: L0608643 Run Date: 08/30/2006 Sample ID: WG221164-01
 Instrument ID: HPMS10 Run Time: 11:55 Prep Method: 5030B
 File ID: 10M48425 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG221164 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-AUG-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.264	1	J
Naphthalene	0.200	1.00	0.249	1	J
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.338	1	J
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	105	86 - 118	PASS
1,2-Dichloroethane-d4	105	80 - 120	PASS
Toluene-d8	102	88 - 110	PASS
4-Bromofluorobenzene	101	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

METHOD BLANK REPORT

00061315

Login Number: L0608643 Run Date: 08/31/2006 Sample ID: WG221254-01
 Instrument ID: HPMS11 Run Time: 15:01 Prep Method: 5030B
 File ID: 11M35988 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG221254 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11 - 30-AUG-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Acetone	5.00	10.0	5.00	1	U
Benzene	0.500	5.00	0.500	1	U
Bromobenzene	0.500	5.00	0.500	1	U
Bromochloromethane	0.500	5.00	0.500	1	U
Bromodichloromethane	0.500	5.00	0.500	1	U
Bromoform	0.500	5.00	0.500	1	U
Bromomethane	1.00	10.0	1.00	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.500	5.00	0.500	1	U
sec-Butylbenzene	0.500	5.00	0.500	1	U
tert-Butylbenzene	0.500	5.00	0.500	1	U
Carbon disulfide	0.500	5.00	0.500	1	U
Carbon tetrachloride	0.500	5.00	0.500	1	U
Chlorobenzene	0.500	5.00	0.500	1	U
Chlorodibromomethane	0.500	5.00	0.500	1	U
Chloroethane	1.00	10.0	1.00	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.500	5.00	0.500	1	U
Chloromethane	2.00	10.0	2.00	1	U
2-Chlorotoluene	0.500	5.00	0.500	1	U
4-Chlorotoluene	0.500	5.00	0.500	1	U
1,2-Dibromo-3-chloropropane	2.00	5.00	2.00	1	U
1,2-Dibromoethane	0.500	5.00	0.500	1	U
Dibromomethane	0.500	5.00	0.500	1	U
1,2-Dichlorobenzene	0.500	5.00	0.500	1	U
1,3-Dichlorobenzene	0.500	5.00	0.500	1	U
1,4-Dichlorobenzene	0.500	5.00	0.500	1	U
Dichlorodifluoromethane	1.00	10.0	1.00	1	U
1,1-Dichloroethane	1.00	5.00	1.00	1	U
1,2-Dichloroethane	0.500	5.00	0.500	1	U
1,1-Dichloroethene	0.500	5.00	0.500	1	U
cis-1,2-Dichloroethene	0.500	5.00	0.500	1	U
trans-1,2-Dichloroethene	0.500	5.00	0.500	1	U
1,2-Dichloropropane	0.500	5.00	0.500	1	U
1,3-Dichloropropane	0.500	5.00	0.500	1	U
2,2-Dichloropropane	0.500	5.00	0.500	1	U
cis-1,3-Dichloropropene	0.500	5.00	0.500	1	U
trans-1,3-Dichloropropene	0.500	5.00	0.500	1	U
1,1-Dichloropropene	0.500	5.00	0.500	1	U
Ethylbenzene	0.500	5.00	0.500	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.500	5.00	0.500	1	U

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METHOD BLANK REPORT

00061316

Login Number: L0608643 Run Date: 08/31/2006 Sample ID: WG221254-01
 Instrument ID: HPMS11 Run Time: 15:01 Prep Method: 5030B
 File ID: 11M35988 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG221254 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11 - 30-AUG-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.500	5.00	0.500	1	U
p-Isopropyltoluene	0.500	5.00	0.500	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	1.00	5.00	1.00	1	U
Naphthalene	0.500	10.0	0.500	1	U
n-Propylbenzene	0.500	5.00	0.500	1	U
Styrene	0.500	5.00	0.500	1	U
1,1,1,2-Tetrachloroethane	0.500	5.00	0.500	1	U
1,1,2,2-Tetrachloroethane	0.500	5.00	0.500	1	U
Tetrachloroethene	0.500	5.00	0.500	1	U
Toluene	0.500	5.00	0.500	1	U
1,2,3-Trichlorobenzene	0.500	5.00	0.500	1	U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	1	U
1,1,1-Trichloroethane	0.500	5.00	0.500	1	U
1,1,2-Trichloroethane	0.500	5.00	0.500	1	U
Trichloroethene	0.500	5.00	0.500	1	U
Trichlorofluoromethane	1.00	10.0	1.00	1	U
1,2,3-Trichloropropane	1.00	5.00	1.00	1	U
1,2,4-Trimethylbenzene	0.500	5.00	0.500	1	U
1,3,5-Trimethylbenzene	0.500	5.00	0.500	1	U
Vinyl acetate	1.00	10.0	1.00	1	U
Vinyl chloride	1.00	10.0	1.00	1	U
o-Xylene	0.500	5.00	0.500	1	U
m-,p-Xylene	0.500	5.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	95.1	80 - 120	PASS
1,2-Dichloroethane-d4	91.4	80 - 120	PASS
Toluene-d8	95.4	81 - 117	PASS
4-Bromofluorobenzene	106	74 - 121	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

METHOD BLANK REPORT

00061317

Login Number: L0608643 Run Date: 09/01/2006 Sample ID: WG221361-01
 Instrument ID: HPMS11 Run Time: 14:46 Prep Method: 5030B
 File ID: 11M36016 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG221361 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11 - 30-AUG-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Acetone	5.00	10.0	5.00	1	U
Benzene	0.500	5.00	0.500	1	U
Bromobenzene	0.500	5.00	0.500	1	U
Bromochloromethane	0.500	5.00	0.500	1	U
Bromodichloromethane	0.500	5.00	0.500	1	U
Bromoform	0.500	5.00	0.500	1	U
Bromomethane	1.00	10.0	1.00	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.500	5.00	0.500	1	U
sec-Butylbenzene	0.500	5.00	0.500	1	U
tert-Butylbenzene	0.500	5.00	0.500	1	U
Carbon disulfide	0.500	5.00	0.500	1	U
Carbon tetrachloride	0.500	5.00	0.500	1	U
Chlorobenzene	0.500	5.00	0.500	1	U
Chlorodibromomethane	0.500	5.00	0.500	1	U
Chloroethane	1.00	10.0	1.00	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.500	5.00	0.500	1	U
Chloromethane	2.00	10.0	2.00	1	U
2-Chlorotoluene	0.500	5.00	0.500	1	U
4-Chlorotoluene	0.500	5.00	0.500	1	U
1,2-Dibromo-3-chloropropane	2.00	5.00	2.00	1	U
1,2-Dibromoethane	0.500	5.00	0.500	1	U
Dibromomethane	0.500	5.00	0.500	1	U
1,2-Dichlorobenzene	0.500	5.00	0.500	1	U
1,3-Dichlorobenzene	0.500	5.00	0.500	1	U
1,4-Dichlorobenzene	0.500	5.00	0.500	1	U
Dichlorodifluoromethane	1.00	10.0	1.00	1	U
1,1-Dichloroethane	1.00	5.00	1.00	1	U
1,2-Dichloroethane	0.500	5.00	0.500	1	U
1,1-Dichloroethene	0.500	5.00	0.500	1	U
cis-1,2-Dichloroethene	0.500	5.00	0.500	1	U
trans-1,2-Dichloroethene	0.500	5.00	0.500	1	U
1,2-Dichloropropane	0.500	5.00	0.500	1	U
1,3-Dichloropropane	0.500	5.00	0.500	1	U
2,2-Dichloropropane	0.500	5.00	0.500	1	U
cis-1,3-Dichloropropene	0.500	5.00	0.500	1	U
trans-1,3-Dichloropropene	0.500	5.00	0.500	1	U
1,1-Dichloropropene	0.500	5.00	0.500	1	U
Ethylbenzene	0.500	5.00	0.500	1	U
2-Hexanone	2.50	10.0	3.02	1	J
Hexachlorobutadiene	0.500	5.00	0.500	1	U

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METHOD BLANK REPORT

00061318

Login Number: L0608643 Run Date: 09/01/2006 Sample ID: WG221361-01
 Instrument ID: HPMS11 Run Time: 14:46 Prep Method: 5030B
 File ID: 11M36016 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG221361 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11 - 30-AUG-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.500	5.00	0.500	1	U
p-Isopropyltoluene	0.500	5.00	0.500	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	1.00	5.00	1.00	1	U
Naphthalene	0.500	10.0	0.927	1	J
n-Propylbenzene	0.500	5.00	0.500	1	U
Styrene	0.500	5.00	0.500	1	U
1,1,1,2-Tetrachloroethane	0.500	5.00	0.500	1	U
1,1,2,2-Tetrachloroethane	0.500	5.00	0.500	1	U
Tetrachloroethene	0.500	5.00	0.500	1	U
Toluene	0.500	5.00	0.500	1	U
1,2,3-Trichlorobenzene	0.500	5.00	0.500	1	U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	1	U
1,1,1-Trichloroethane	0.500	5.00	0.500	1	U
1,1,2-Trichloroethane	0.500	5.00	0.500	1	U
Trichloroethene	0.500	5.00	0.500	1	U
Trichlorofluoromethane	1.00	10.0	1.00	1	U
1,2,3-Trichloropropane	1.00	5.00	1.00	1	U
1,2,4-Trimethylbenzene	0.500	5.00	0.500	1	U
1,3,5-Trimethylbenzene	0.500	5.00	0.500	1	U
Vinyl acetate	1.00	10.0	1.00	1	U
Vinyl chloride	1.00	10.0	1.00	1	U
o-Xylene	0.500	5.00	0.500	1	U
m-,p-Xylene	0.500	5.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	94.8	80 - 120	PASS
1,2-Dichloroethane-d4	93.5	80 - 120	PASS
Toluene-d8	105	81 - 117	PASS
4-Bromofluorobenzene	104	74 - 121	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

LABORATORY CONTROL SAMPLE (LCS)

00061319

Login Number: L0608643 Run Date: 08/30/2006 Sample ID: WG221164-02
 Instrument ID: HPMS10 Run Time: 12:25 Prep Method: 5030B
 File ID: 10M48426 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG221164 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-AUG-06

Analytes	Expected	Found	% Rec	LCS Limits			Q
Acetone	20.0	21.2	106	40	-	142	
Benzene	20.0	21.6	108	80	-	121	
Bromobenzene	20.0	21.7	108	80	-	120	
Bromochloromethane	20.0	20.7	103	65	-	130	
Bromodichloromethane	20.0	23.6	118	80	-	131	
Bromoform	20.0	20.7	103	70	-	130	
Bromomethane	20.0	21.2	106	30	-	145	
2-Butanone	20.0	22.0	110	30	-	150	
n-Butylbenzene	20.0	23.3	116	80	-	131	
sec-Butylbenzene	20.0	22.4	112	80	-	127	
tert-Butylbenzene	20.0	22.1	111	80	-	126	
Carbon disulfide	20.0	20.3	101	58	-	138	
Carbon tetrachloride	20.0	21.2	106	65	-	140	
Chlorobenzene	20.0	21.0	105	80	-	120	
Chlorodibromomethane	20.0	20.2	101	60	-	135	
Chloroethane	20.0	20.6	103	60	-	135	
2-Chloroethyl vinyl ether	20.0	22.1	111	58	-	151	
Chloroform	20.0	21.8	109	80	-	125	
Chloromethane	20.0	21.3	107	40	-	125	
2-Chlorotoluene	20.0	20.7	103	80	-	127	
4-Chlorotoluene	20.0	21.5	107	80	-	126	
1,2-Dibromo-3-chloropropane	20.0	19.1	95.3	50	-	130	
1,2-Dibromoethane	20.0	23.2	116	80	-	125	
Dibromomethane	20.0	22.5	113	75	-	125	
1,2-Dichlorobenzene	20.0	21.0	105	80	-	125	
1,3-Dichlorobenzene	20.0	21.1	105	80	-	120	
1,4-Dichlorobenzene	20.0	20.7	103	80	-	120	
Dichlorodifluoromethane	20.0	19.5	97.6	50	-	133	
1,1-Dichloroethane	20.0	21.7	109	80	-	125	
1,2-Dichloroethane	20.0	22.9	115	80	-	129	
1,1-Dichloroethene	20.0	20.7	103	80	-	132	
cis-1,2-Dichloroethene	20.0	22.2	111	70	-	125	
trans-1,2-Dichloroethene	20.0	21.2	106	80	-	127	
1,2-Dichloropropane	20.0	22.5	113	80	-	120	
1,3-Dichloropropane	20.0	22.8	114	80	-	120	
2,2-Dichloropropane	20.0	22.0	110	80	-	133	
cis-1,3-Dichloropropene	20.0	23.2	116	70	-	130	
trans-1,3-Dichloropropene	20.0	21.3	106	80	-	130	
1,1-Dichloropropene	20.0	21.6	108	75	-	130	
Ethylbenzene	20.0	21.8	109	80	-	122	
2-Hexanone	20.0	20.9	104	55	-	130	

LABORATORY CONTROL SAMPLE (LCS)

00061320

Login Number: L0608643	Run Date: 08/30/2006	Sample ID: WG221164-02
Instrument ID: HPMS10	Run Time: 12:25	Prep Method: 5030B
File ID: 10M48426	Analyst: MES	Method: 8260B
Workgroup (AAB#): WG221164	Matrix: Water	Units: ug/L
Contract #: DACA56-94-D-0020	Cal ID: HPMS10 - 23-AUG-06	

Analytes	Expected	Found	% Rec	LCS Limits	Q
Hexachlorobutadiene	20.0	24.9	124	72 - 132	
Isopropylbenzene	20.0	19.9	99.5	80 - 122	
p-Isopropyltoluene	20.0	22.1	111	80 - 122	
4-Methyl-2-pentanone	20.0	23.2	116	64 - 140	
Methylene chloride	20.0	21.1	105	80 - 123	
Naphthalene	20.0	20.9	104	59 - 149	
n-Propylbenzene	20.0	21.7	108	80 - 129	
Styrene	20.0	20.0	99.9	80 - 123	
1,1,1,2-Tetrachloroethane	20.0	22.3	112	80 - 130	
1,1,2,2-Tetrachloroethane	20.0	20.5	102	79 - 125	
Tetrachloroethene	20.0	21.6	108	80 - 124	
Toluene	20.0	20.8	104	80 - 124	
1,2,3-Trichlorobenzene	20.0	20.9	104	55 - 140	
1,2,4-Trichlorobenzene	20.0	21.7	109	65 - 135	
1,1,1-Trichloroethane	20.0	23.1	116	80 - 134	
1,1,2-Trichloroethane	20.0	23.2	116	80 - 125	
Trichloroethene	20.0	22.7	113	80 - 122	
Trichlorofluoromethane	20.0	18.6	93.1	62 - 151	
1,2,3-Trichloropropane	20.0	21.2	106	75 - 125	
1,2,4-Trimethylbenzene	20.0	21.7	108	80 - 125	
1,3,5-Trimethylbenzene	20.0	22.4	112	80 - 127	
Vinyl acetate	20.0	16.1	80.7	10 - 150	
Vinyl chloride	20.0	20.5	103	65 - 140	
o-Xylene	20.0	21.8	109	80 - 122	
m-, p-Xylene	40.0	43.6	109	80 - 122	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	105	86 - 118	PASS
1,2-Dichloroethane-d4	106	80 - 120	PASS
Toluene-d8	101	88 - 110	PASS
4-Bromofluorobenzene	101	86 - 115	PASS

* FAILS %REC LIMIT

Login Number: L0608643 Run Date: 08/31/2006 Sample ID: WG221254-02
 Instrument ID: HPMS11 Run Time: 15:31 Prep Method: 5030B
 File ID: 11M35989 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG221254 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11 - 30-AUG-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Acetone	20.0	17.9	89.6	20 - 160	
Benzene	20.0	21.6	108	70 - 139	
Bromobenzene	20.0	22.0	110	72 - 131	
Bromochloromethane	20.0	20.3	102	70 - 130	
Bromodichloromethane	20.0	21.3	106	72 - 137	
Bromoform	20.0	19.0	95.2	49 - 136	
Bromomethane	20.0	18.0	89.8	37 - 143	
2-Butanone	20.0	19.8	99.2	37 - 172	
n-Butylbenzene	20.0	22.7	114	70 - 136	
sec-Butylbenzene	20.0	22.5	112	71 - 132	
tert-Butylbenzene	20.0	22.1	110	72 - 130	
Carbon disulfide	20.0	21.9	110	39 - 139	
Carbon tetrachloride	20.0	21.1	106	59 - 136	
Chlorobenzene	20.0	21.4	107	70 - 130	
Chlorodibromomethane	20.0	21.3	107	59 - 136	
Chloroethane	20.0	16.7	83.4	52 - 135	
2-Chloroethyl vinyl ether	20.0	18.8	93.9	35 - 154	
Chloroform	20.0	20.5	102	74 - 129	
Chloromethane	20.0	18.3	91.6	30 - 131	
2-Chlorotoluene	20.0	20.3	102	63 - 147	
4-Chlorotoluene	20.0	21.1	105	70 - 138	
1,2-Dibromo-3-chloropropane	20.0	20.4	102	40 - 135	
1,2-Dibromoethane	20.0	21.6	108	69 - 130	
Dibromomethane	20.0	20.5	103	59 - 137	
1,2-Dichlorobenzene	20.0	22.0	110	70 - 130	
1,3-Dichlorobenzene	20.0	21.0	105	70 - 130	
1,4-Dichlorobenzene	20.0	21.0	105	70 - 130	
Dichlorodifluoromethane	20.0	16.3	81.4	25 - 130	
1,1-Dichloroethane	20.0	19.7	98.4	75 - 125	
1,2-Dichloroethane	20.0	20.1	101	63 - 133	
1,1-Dichloroethene	20.0	20.8	104	65 - 135	
cis-1,2-Dichloroethene	20.0	20.5	102	65 - 135	
trans-1,2-Dichloroethene	20.0	20.6	103	65 - 139	
1,2-Dichloropropane	20.0	20.9	105	70 - 130	
1,3-Dichloropropane	20.0	22.3	112	65 - 128	
2,2-Dichloropropane	20.0	22.2	111	66 - 135	
cis-1,3-Dichloropropene	20.0	20.0	100	70 - 142	
trans-1,3-Dichloropropene	20.0	20.0	100	56 - 135	
1,1-Dichloropropene	20.0	22.2	111	57 - 138	
Ethylbenzene	20.0	22.3	112	70 - 130	
2-Hexanone	20.0	20.3	101	45 - 145	

LABORATORY CONTROL SAMPLE (LCS)

00061322

Login Number: L0608643	Run Date: 08/31/2006	Sample ID: WG221254-02
Instrument ID: HPMS11	Run Time: 15:31	Prep Method: 5030B
File ID: 11M35989	Analyst: MES	Method: 8260B
Workgroup (AAB#): WG221254	Matrix: Solid	Units: ug/kg
Contract #: DACA56-94-D-0020	Cal ID: HPMS11 - 30-AUG-06	

Analytes	Expected	Found	% Rec	LCS Limits			Q
Hexachlorobutadiene	20.0	24.5	123	65	-	135	
Isopropylbenzene	20.0	20.7	103	68	-	129	
p-Isopropyltoluene	20.0	22.0	110	72	-	128	
4-Methyl-2-pentanone	20.0	19.0	95.1	47	-	146	
Methylene chloride	20.0	18.3	91.4	74	-	128	
Naphthalene	20.0	22.3	112	50	-	146	
n-Propylbenzene	20.0	22.1	110	72	-	136	
Styrene	20.0	22.2	111	74	-	130	
1,1,1,2-Tetrachloroethane	20.0	21.7	108	71	-	137	
1,1,2,2-Tetrachloroethane	20.0	21.2	106	55	-	130	
Tetrachloroethene	20.0	22.7	114	72	-	130	
Toluene	20.0	20.5	102	77	-	126	
1,2,3-Trichlorobenzene	20.0	21.5	107	60	-	135	
1,2,4-Trichlorobenzene	20.0	22.4	112	65	-	130	
1,1,1-Trichloroethane	20.0	21.3	107	70	-	135	
1,1,2-Trichloroethane	20.0	22.1	111	60	-	125	
Trichloroethene	20.0	21.5	107	72	-	126	
Trichlorofluoromethane	20.0	16.3	81.3	48	-	154	
1,2,3-Trichloropropane	20.0	21.7	108	65	-	130	
1,2,4-Trimethylbenzene	20.0	21.7	109	75	-	132	
1,3,5-Trimethylbenzene	20.0	22.9	115	74	-	133	
Vinyl acetate	20.0	11.4	56.9	10	-	150	
Vinyl chloride	20.0	17.5	87.6	25	-	130	
o-Xylene	20.0	22.7	113	70	-	130	
m-, p-Xylene	40.0	44.6	111	70	-	130	

Surrogates	% Recovery	Surrogate Limits			Qualifier
Dibromofluoromethane	93.9	80	-	120	PASS
1,2-Dichloroethane-d4	91.0	80	-	120	PASS
Toluene-d8	105	81	-	117	PASS
4-Bromofluorobenzene	107	74	-	121	PASS

* FAILS %REC LIMIT

LABORATORY CONTROL SAMPLE (LCS)

00061323

Login Number: L0608643 Run Date: 09/01/2006 Sample ID: WG221361-02
 Instrument ID: HPMS11 Run Time: 14:16 Prep Method: 5030B
 File ID: 11M36015 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG221361 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11 - 30-AUG-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Acetone	20.0	21.9	109	20 - 160	
Benzene	20.0	21.0	105	70 - 139	
Bromobenzene	20.0	21.3	106	72 - 131	
Bromochloromethane	20.0	21.4	107	70 - 130	
Bromodichloromethane	20.0	20.6	103	72 - 137	
Bromoform	20.0	18.9	94.7	49 - 136	
Bromomethane	20.0	17.5	87.5	37 - 143	
2-Butanone	20.0	20.6	103	37 - 172	
n-Butylbenzene	20.0	21.4	107	70 - 136	
sec-Butylbenzene	20.0	21.4	107	71 - 132	
tert-Butylbenzene	20.0	21.4	107	72 - 130	
Carbon disulfide	20.0	22.0	110	39 - 139	
Carbon tetrachloride	20.0	20.4	102	59 - 136	
Chlorobenzene	20.0	20.9	104	70 - 130	
Chlorodibromomethane	20.0	20.6	103	59 - 136	
Chloroethane	20.0	17.4	86.9	52 - 135	
2-Chloroethyl vinyl ether	20.0	18.8	93.9	35 - 154	
Chloroform	20.0	19.6	98.0	74 - 129	
Chloromethane	20.0	18.2	91.0	30 - 131	
2-Chlorotoluene	20.0	21.2	106	63 - 147	
4-Chlorotoluene	20.0	20.6	103	70 - 138	
1,2-Dibromo-3-chloropropane	20.0	21.6	108	40 - 135	
1,2-Dibromoethane	20.0	21.0	105	69 - 130	
Dibromomethane	20.0	21.1	106	59 - 137	
1,2-Dichlorobenzene	20.0	20.7	103	70 - 130	
1,3-Dichlorobenzene	20.0	20.1	100	70 - 130	
1,4-Dichlorobenzene	20.0	20.0	99.8	70 - 130	
Dichlorodifluoromethane	20.0	16.7	83.4	25 - 130	
1,1-Dichloroethane	20.0	19.9	99.3	75 - 125	
1,2-Dichloroethane	20.0	20.3	102	63 - 133	
1,1-Dichloroethene	20.0	21.5	107	65 - 135	
cis-1,2-Dichloroethene	20.0	20.3	101	65 - 135	
trans-1,2-Dichloroethene	20.0	20.0	100	65 - 139	
1,2-Dichloropropane	20.0	20.1	101	70 - 130	
1,3-Dichloropropane	20.0	20.7	103	65 - 128	
2,2-Dichloropropane	20.0	20.8	104	66 - 135	
cis-1,3-Dichloropropene	20.0	19.1	95.6	70 - 142	
trans-1,3-Dichloropropene	20.0	18.5	92.3	56 - 135	
1,1-Dichloropropene	20.0	21.7	109	57 - 138	
Ethylbenzene	20.0	21.7	109	70 - 130	
2-Hexanone	20.0	19.9	99.3	45 - 145	

LABORATORY CONTROL SAMPLE (LCS)

00061324

Login Number: L0608643 Run Date: 09/01/2006 Sample ID: WG221361-02
 Instrument ID: HPMS11 Run Time: 14:16 Prep Method: 5030B
 File ID: 11M36015 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG221361 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11 - 30-AUG-06

Analytes	Expected	Found	% Rec	LCS Limits			Q
Hexachlorobutadiene	20.0	21.5	107	65	-	135	
Isopropylbenzene	20.0	20.2	101	68	-	129	
p-Isopropyltoluene	20.0	20.8	104	72	-	128	
4-Methyl-2-pentanone	20.0	20.8	104	47	-	146	
Methylene chloride	20.0	19.3	96.7	74	-	128	
Naphthalene	20.0	22.0	110	50	-	146	
n-Propylbenzene	20.0	21.0	105	72	-	136	
Styrene	20.0	21.6	108	74	-	130	
1,1,1,2-Tetrachloroethane	20.0	20.8	104	71	-	137	
1,1,2,2-Tetrachloroethane	20.0	21.5	108	55	-	130	
Tetrachloroethene	20.0	21.2	106	72	-	130	
Toluene	20.0	19.4	97.2	77	-	126	
1,2,3-Trichlorobenzene	20.0	21.1	106	60	-	135	
1,2,4-Trichlorobenzene	20.0	20.8	104	65	-	130	
1,1,1-Trichloroethane	20.0	20.7	104	70	-	135	
1,1,2-Trichloroethane	20.0	20.8	104	60	-	125	
Trichloroethene	20.0	21.0	105	72	-	126	
Trichlorofluoromethane	20.0	17.7	88.6	48	-	154	
1,2,3-Trichloropropane	20.0	21.6	108	65	-	130	
1,2,4-Trimethylbenzene	20.0	20.9	104	75	-	132	
1,3,5-Trimethylbenzene	20.0	21.6	108	74	-	133	
Vinyl acetate	20.0	11.1	55.3	10	-	150	
Vinyl chloride	20.0	18.0	89.8	25	-	130	
o-Xylene	20.0	21.8	109	70	-	130	
m-, p-Xylene	40.0	43.3	108	70	-	130	

Surrogates	% Recovery	Surrogate Limits			Qualifier
Dibromofluoromethane	89.6	80	-	120	PASS
1,2-Dichloroethane-d4	89.5	80	-	120	PASS
Toluene-d8	97.9	81	-	117	PASS
4-Bromofluorobenzene	103	74	-	121	PASS

* FAILS %REC LIMIT

MS/MSD REPORT

Loginnum: L0608643

Cal ID: HPMS11 - 30-AUG-06

00061325
WORKNUM: NC224204

Instrument ID: HPMS11

Contract #: DACA56-94-D-0020

Prep Method: 5030B

Parent ID: L0608643-01

File ID: 11M35990

Dil: 1

Method: 8260B

Sample ID: L0608643-09 MS

File ID: 11M35991

Dil: 1

Matrix: Soil

Sample ID: L0608643-10 MSD

File ID: 11M35992

Dil: 1

Units: ug/kg

Percent Solid: 91.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Acetone	ND	21.2	22.4	106	19.0	14.9	78.4	40.0	20 - 160	30	#
Benzene	ND	21.2	21.7	103	19.0	18.0	94.9	18.6	70 - 139	30	
Bromobenzene	ND	21.2	21.4	101	19.0	16.7	87.8	24.7	72 - 131	30	
Bromochloromethane	ND	21.2	22.6	107	19.0	17.5	92.2	25.2	70 - 130	30	
Bromodichloromethane	ND	21.2	21.3	101	19.0	17.6	92.7	19.0	72 - 137	30	
Bromoform	ND	21.2	20.5	96.7	19.0	15.0	78.8	30.9	49 - 136	30	#
Bromomethane	ND	21.2	17.1	80.6	19.0	14.4	75.7	17.1	37 - 143	30	
2-Butanone	ND	21.2	22.5	106	19.0	17.6	92.7	24.3	37 - 172	30	
n-Butylbenzene	ND	21.2	20.2	95.5	19.0	14.3	75.1	34.5	70 - 136	30	#
sec-Butylbenzene	ND	21.2	20.7	97.8	19.0	15.1	79.4	31.4	70 - 132	30	#
tert-Butylbenzene	ND	21.2	21.1	99.8	19.0	15.6	81.8	30.4	72 - 130	30	#
Carbon disulfide	ND	21.2	24.8	117	19.0	18.8	99.1	27.5	39 - 139	30	
Carbon tetrachloride	ND	21.2	20.0	94.3	19.0	17.1	89.9	15.6	59 - 136	30	
Chlorobenzene	ND	21.2	21.2	100	19.0	17.2	90.6	20.9	70 - 130	30	
Chlorodibromomethane	ND	21.2	20.5	96.6	19.0	17.5	92.2	15.5	59 - 136	30	
Chloroethane	ND	21.2	19.0	89.9	19.0	14.1	74.4	29.6	52 - 135	30	
2-Chloroethyl vinyl ether	ND	21.2	19.7	93.0	19.0	16.5	86.8	17.6	35 - 154	30	
Chloroform	ND	21.2	20.5	96.9	19.0	17.4	91.6	16.4	74 - 129	30	
Chloromethane	ND	21.2	18.3	86.7	19.0	13.7	72.2	28.8	30 - 131	30	
2-Chlorotoluene	ND	21.2	21.4	101	19.0	16.3	85.6	27.1	63 - 147	30	
4-Chlorotoluene	ND	21.2	20.7	97.6	19.0	15.6	81.9	28.1	70 - 138	30	
1,2-Dibromo-3-chloropropane	ND	21.2	22.0	104	19.0	15.9	83.6	32.5	40 - 135	30	#
1,2-Dibromoethane	ND	21.2	20.9	98.7	19.0	17.7	93.3	16.4	69 - 130	30	
Dibromomethane	ND	21.2	21.1	99.9	19.0	17.7	93.0	17.9	59 - 137	30	
1,2-Dichlorobenzene	ND	21.2	20.5	96.8	19.0	15.2	79.8	29.8	70 - 130	30	
1,3-Dichlorobenzene	ND	21.2	20.0	94.7	19.0	14.5	76.4	32.0	70 - 130	30	#
1,4-Dichlorobenzene	ND	21.2	20.1	94.8	19.0	14.9	78.4	29.6	70 - 130	30	
Dichlorodifluoromethane	ND	21.2	14.0	66.2	19.0	9.89	52.0	34.6	25 - 130	30	#
1,1-Dichloroethane	ND	21.2	20.4	96.3	19.0	16.9	89.2	18.5	75 - 125	30	
1,2-Dichloroethane	ND	21.2	20.3	95.9	19.0	17.1	89.8	17.3	63 - 130	30	
1,1-Dichloroethene	ND	21.2	23.0	108	19.0	17.3	91.1	28.1	65 - 135	30	
cis-1,2-Dichloroethene	ND	21.2	20.5	96.8	19.0	17.4	91.5	16.4	65 - 135	30	
trans-1,2-Dichloroethene	ND	21.2	20.6	97.4	19.0	17.0	89.6	19.1	65 - 139	30	
1,2-Dichloropropane	ND	21.2	20.7	97.9	19.0	17.9	94.3	14.6	70 - 130	30	
1,3-Dichloropropane	ND	21.2	19.8	93.4	19.0	18.4	96.7	7.23	65 - 138	30	
2,2-Dichloropropane	ND	21.2	21.5	101	19.0	18.5	97.2	15.0	66 - 135	30	
cis-1,3-Dichloropropene	ND	21.2	19.3	91.4	19.0	16.1	84.6	18.4	70 - 142	30	
trans-1,3-Dichloropropene	ND	21.2	17.4	82.3	19.0	15.8	83.2	9.56	56 - 135	30	
1,1-Dichloropropene	ND	21.2	21.5	102	19.0	18.4	96.9	15.7	57 - 138	30	
Ethylbenzene	ND	21.2	22.1	105	19.0	17.6	92.8	22.6	70 - 130	30	
2-Hexanone	ND	21.2	20.5	97.1	19.0	17.1	89.8	18.5	45 - 145	30	

KEMRON FORMS - Modified 07/13/2006
Version 1.5 PDF File ID: 558071
Report generated 09/08/2006 08:28

MS/MSD REPORT

Loginnum: L0608643

Cal ID: HPMS11 30-AUG-06

00061326
WORKNUM: NC224204

Instrument ID: HPMS11

Contract #: DACA56-94-D-0020

Prep Method: 5030B

Parent ID: L0608643-01

File ID: 11M35990

Dil: 1

Method: 8260B

Sample ID: L0608643-09 MS

File ID: 11M35991

Dil: 1

Matrix: Soil

Sample ID: L0608643-10 MSD

File ID: 11M35992

Dil: 1

Units: ug/kg

Percent Solid: 91.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Hexachlorobutadiene	ND	21.2	18.7	88.5	19.0	12.9	67.7	37.2	65 - 135	30	#
Isopropylbenzene	ND	21.2	20.8	98.5	19.0	15.4	81.3	29.7	68 - 129	30	
p-Isopropyltoluene	ND	21.2	20.3	96.0	19.0	14.7	77.2	32.3	72 - 128	30	#
4-Methyl-2-pentanone	ND	21.2	21.7	102	19.0	17.4	91.4	22.0	47 - 146	30	
Methylene chloride	ND	21.2	21.2	100	19.0	15.7	82.8	29.6	74 - 128	30	
Naphthalene	ND	21.2	20.0	94.6	19.0	14.1	74.1	34.9	50 - 146	30	#
n-Propylbenzene	ND	21.2	21.3	101	19.0	15.9	83.5	29.1	72 - 136	30	
Styrene	ND	21.2	23.0	109	19.0	17.1	90.0	29.4	74 - 130	30	
1,1,1,2-Tetrachloroethane	ND	21.2	21.3	100	19.0	17.6	92.3	19.1	71 - 137	30	
1,1,2,2-Tetrachloroethane	ND	21.2	22.0	104	19.0	17.0	89.4	25.7	55 - 130	30	
Tetrachloroethene	ND	21.2	20.3	95.7	19.0	17.9	94.0	12.5	72 - 130	30	
Toluene	ND	21.2	18.6	87.9	19.0	16.8	88.4	10.2	77 - 126	30	
1,2,3-Trichlorobenzene	ND	21.2	18.0	84.8	19.0	12.0	63.3	39.4	60 - 135	30	#
1,2,4-Trichlorobenzene	ND	21.2	19.0	89.6	19.0	12.9	67.8	38.3	65 - 130	30	#
1,1,1-Trichloroethane	ND	21.2	20.4	96.6	19.0	17.8	93.7	13.7	70 - 135	30	
1,1,2-Trichloroethane	ND	21.2	20.6	97.3	19.0	18.1	95.4	12.8	60 - 125	30	
Trichloroethene	ND	21.2	21.4	101	19.0	17.6	92.6	19.4	72 - 126	30	
Trichlorofluoromethane	ND	21.2	18.7	88.5	19.0	13.5	71.3	32.1	48 - 154	30	#
1,2,3-Trichloropropane	ND	21.2	22.5	106	19.0	18.0	94.6	22.3	65 - 130	30	
1,2,4-Trimethylbenzene	ND	21.2	20.9	98.5	19.0	15.5	81.7	29.3	75 - 132	30	
1,3,5-Trimethylbenzene	ND	21.2	21.6	102	19.0	16.2	85.0	28.9	74 - 133	30	
Vinyl acetate	ND	21.2	5.40	25.5	19.0	1.71	9.00	104	10 - 150	30	*#
Vinyl chloride	ND	21.2	18.5	87.6	19.0	13.9	73.2	28.5	25 - 130	30	
o-Xylene	ND	21.2	23.5	111	19.0	17.4	91.4	29.8	70 - 130	30	
m-,p-Xylene	ND	42.3	45.9	108	38.0	34.6	91.0	28.1	70 - 130	30	

* FAILS %REC LIMIT

FAILS RPD LIMIT

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061327

BFB

Login Number: L0608643	Tune ID: WG220547-01
Instrument: HPMS10	Run Date: 08/23/2006
Analyst: MES	Run Time: 12:03
Workgroup: WG220547	File ID: 10M48270
Cal ID: HPMS10 - 23-AUG-06	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	19.2	3821	PASS
75.0	95.0	30.0	60.0	42.2	8387	PASS
95.0	95.0	100	100	100	19856	PASS
96.0	95.0	5.00	9.00	6.76	1342	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	80.4	15969	PASS
175	174	5.00	9.00	8.54	1363	PASS
176	174	95.0	101	98.3	15705	PASS
177	176	5.00	9.00	6.41	1007	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG220547-11	STD	01	08/23/2006 18:49	
WG220547-10	STD	01	08/23/2006 18:19	
WG220547-09	STD-CCV	01	08/23/2006 17:48	
WG220547-08	STD	01	08/23/2006 16:48	
WG220547-06	STD	01	08/23/2006 15:45	
WG220547-04	STD	01	08/23/2006 13:40	
WG220547-02	STD	01	08/23/2006 12:30	
WG220547-05	STD	01	08/23/2006 14:44	
WG220547-03	STD	01	08/23/2006 16:17	
WG220547-07	STD	01	08/23/2006 17:18	

* Sample past 12 hour tune limit

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

00061328

BFB

Login Number: L0608643 _____ Tune ID: WG220678-01 _____
Instrument: HPMS10 _____ Run Date: 08/24/2006 _____
Analyst: MES _____ Run Time: 11:50 _____
Workgroup: WG220678 _____ File ID: 10M48292 _____
Cal ID: HPMS10 - 23-AUG-06 _____

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	19.7	4497	PASS
75.0	95.0	30.0	60.0	45.0	10258	PASS
95.0	95.0	100	100	100	22792	PASS
96.0	95.0	5.00	9.00	6.84	1560	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	82.8	18880	PASS
175	174	5.00	9.00	6.08	1147	PASS
176	174	95.0	101	97.2	18344	PASS
177	176	5.00	9.00	6.99	1282	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG220547-12	SSCV	01	08/24/2006 13:23	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061329

BFB

Login Number: L0608643	Tune ID: WG221175-01
Instrument: HPMS11	Run Date: 08/30/2006
Analyst: CMS	Run Time: 16:11
Workgroup: WG221175	File ID: 11M35970
	Cal ID: HPMS11-30-AUG-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	27.2	23938	PASS
75.0	95.0	30.0	60.0	50.8	44634	PASS
95.0	95.0	100	100	100	87893	PASS
96.0	95.0	5.00	9.00	7.19	6323	PASS
173	174	0	2.00	0.768	514	PASS
174	95.0	50.0	100	76.1	66928	PASS
175	174	5.00	9.00	8.03	5374	PASS
176	174	95.0	101	96.1	64325	PASS
177	176	5.00	9.00	6.77	4358	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG221175-09	STD-S	01	08/30/2006 20:05	
WG221175-08	STD-S	01	08/30/2006 19:35	
WG221175-07	STD-CCV-S	01	08/30/2006 19:06	
WG221175-05	STD-S	01	08/30/2006 18:06	
WG221175-03	STD-S	01	08/30/2006 17:07	
WG221175-02	STD-S	01	08/30/2006 16:37	
WG221175-04	STD-S	01	08/30/2006 17:36	
WG221175-06	STD-S	01	08/30/2006 18:36	

* Sample past 12 hour tune limit

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

00061330

BFB

Login Number: L0608643 _____ Tune ID: WG221253-01 _____
Instrument: HPMS11 _____ Run Date: 08/31/2006 _____
Analyst: MES _____ Run Time: 13:09 _____
Workgroup: WG221253 _____ File ID: 11M35984 _____
Cal ID: HPMS11-30-AUG-06 _____

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	24.3	29987	PASS
75.0	95.0	30.0	60.0	47.2	58144	PASS
95.0	95.0	100	100	100	123296	PASS
96.0	95.0	5.00	9.00	6.91	8523	PASS
173	174	0	2.00	0.511	516	PASS
174	95.0	50.0	100	81.9	100930	PASS
175	174	5.00	9.00	7.38	7453	PASS
176	174	95.0	101	96.2	97117	PASS
177	176	5.00	9.00	6.90	6698	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG221175-10	SSCV-S	01	08/31/2006 14:32	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061331

BFB

Login Number: L0608643
Instrument: HPMS10
Analyst: MES
Workgroup: WG221163

Tune ID: WG221163-01
Run Date: 08/30/2006
Run Time: 11:02
File ID: 10M48423

Cal ID: HPMS10 -23-AUG-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	19.7	7598	PASS
75.0	95.0	30.0	60.0	44.1	17002	PASS
95.0	95.0	100	100	100	38552	PASS
96.0	95.0	5.00	9.00	7.25	2795	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	83.9	32354	PASS
175	174	5.00	9.00	8.26	2673	PASS
176	174	95.0	101	98.8	31968	PASS
177	176	5.00	9.00	6.68	2135	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG221163-02	CCV	08/30/2006 11:23

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG221164-01	BLANK	01	08/30/2006 11:55	
WG221164-02	LCS	01	08/30/2006 12:25	
L0608643-08	TRIP BLANK	01	08/30/2006 18:05	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061332

BFB

Login Number: L0608643
Instrument: HPMS11
Analyst: MES
Workgroup: WG221253

Tune ID: WG221253-01
Run Date: 08/31/2006
Run Time: 13:09
File ID: 11M35984

Cal ID: HPMS11 -30-AUG-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	24.3	29987	PASS
75.0	95.0	30.0	60.0	47.2	58144	PASS
95.0	95.0	100	100	100	123296	PASS
96.0	95.0	5.00	9.00	6.91	8523	PASS
173	174	0	2.00	0.511	516	PASS
174	95.0	50.0	100	81.9	100930	PASS
175	174	5.00	9.00	7.38	7453	PASS
176	174	95.0	101	96.2	97117	PASS
177	176	5.00	9.00	6.90	6698	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG221253-02	CCV	08/31/2006 13:32

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG221254-01	BLANK	01	08/31/2006 15:01	
WG221254-02	LCS	01	08/31/2006 15:31	
L0608643-01	06SB01-01	01	08/31/2006 16:00	
L0608643-09	06SB01-01	01	08/31/2006 16:30	
L0608643-10	06SB01-01	01	08/31/2006 17:00	
L0608643-07	06SB01-01-QC	01	08/31/2006 17:30	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061333

BFB

Login Number: L0608643
Instrument: HPMS11
Analyst: MES
Workgroup: WG221360

Tune ID: WG221360-01
Run Date: 09/01/2006
Run Time: 12:21
File ID: 11M36011

Cal ID: HPMS11 -30-AUG-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	24.6	24341	PASS
75.0	95.0	30.0	60.0	48.3	47704	PASS
95.0	95.0	100	100	100	98797	PASS
96.0	95.0	5.00	9.00	6.68	6603	PASS
173	174	0	2.00	0.954	726	PASS
174	95.0	50.0	100	77.1	76130	PASS
175	174	5.00	9.00	7.59	5781	PASS
176	174	95.0	101	97.8	74434	PASS
177	176	5.00	9.00	6.51	4844	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG221360-02	CCV	09/01/2006 13:16

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG221361-02	LCS	01	09/01/2006 14:16	
WG221361-01	BLANK	01	09/01/2006 14:46	
L0608643-02	06SB01-02	01	09/01/2006 17:15	
L0608643-03	06SB02-01	01	09/01/2006 17:45	
L0608643-04	06SB02-02	01	09/01/2006 18:15	
L0608643-05	06SB03-01	01	09/01/2006 18:46	
L0608643-06	06SB03-02	01	09/01/2006 19:15	

* Sample past 12 hour tune limit

INITIAL CALIBRATION SUMMARY

00061334

Login Number: L0608643
 Analytical Method: 8260B
 ICAL Workgroup: WG220547

Instrument ID: HPMS10
 Initial Calibration Date: 23-AUG-06 18:49
 Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
1,1-Dichloroethene	CCC	0.2466	4.03		
1,2-Dichloropropane	CCC	0.2316	6.04		
Chloroform	CCC	0.4536	5.92		
Ethylbenzene	CCC	0.4960	9.92		
Toluene	CCC	1.425	7.60		
Vinyl Chloride	CCC	0.1410	14.7		
1,1,2,2-Tetrachloroethane	SPCC	0.3424	19.9		1.00
1,1-Dichloroethane	SPCC	0.4707	6.04		
Bromoform	SPCC	0.1272	17.3	0.999	
Chlorobenzene	SPCC	0.9424	5.65		
Chloromethane	SPCC	0.1851	8.37		
1,1,1,2-Tetrachloroethane		0.3151	9.50		
1,1,1-Trichloroethane		0.4082	13.4		
1,1,2-Trichloroethane		0.1999	8.53		
1,1-Dichloropropene		0.3577	3.91		
1,2,3-Trichlorobenzene		0.6411	12.4		
1,2,3-Trichloropropane		0.1162	16.1		1.00
1,2,4-Trichlorobenzene		0.8153	5.72		
1,2,4-Trimethylbenzene		2.453	9.89		
1,2-Dibromo-3-Chloropropane		0.06104	27.8	0.999	
1,2-Dibromoethane		0.2022	12.9		
1,2-Dichlorobenzene		1.238	7.91		
1,2-Dichloroethane		0.2919	6.23		
1,3,5-Trimethylbenzene		2.316	11.2		
1,3-Dichlorobenzene		1.435	4.67		
1,3-Dichloropropane		0.3566	8.50		
1,4-Dichlorobenzene		1.467	6.53		
2,2-Dichloropropane		0.4129	4.54		
2-Butanone		0.04258	5.66		
2-Chloroethyl Vinyl Ether		0.08790	9.70		
2-Chlorotoluene		2.385	7.51		
2-Hexanone		0.08912	6.68		
4-Chlorotoluene		2.104	4.73		
4-Methyl-2-Pentanone		0.03977	9.08		
Acetone		0.03603	10.7		
Benzene		0.9620	7.20		
Bromobenzene		0.7282	8.25		
Bromochloromethane		0.1124	16.9		1.00
Bromodichloromethane		0.2827	11.6		
Bromomethane		0.1012	6.54		
Carbon Disulfide		0.7579	4.35		
Carbon Tetrachloride		0.3633	19.3		1.00
Chloroethane		0.1810	4.75		
Dibromochloromethane		0.2412	18.1		1.00
Dibromomethane		0.1131	5.19		

KEMRON FORMS - Modified 08/31/2006
 Version 1.5 PDF File ID: 560122
 Report generated 09/08/2006 08:28

INITIAL CALIBRATION SUMMARY

00061335

Login Number: L0608643
 Analytical Method: 8260B
 ICAL Workgroup: WG220547

Instrument ID: HPMS10
 Initial Calibration Date: 23-AUG-06 18:49
 Column ID: F

Analyte	AVG RF	% RSD	LINEAR	QUAD
Dichlorodifluoromethane	0.2265	5.10		
Hexachlorobutadiene	0.3058	4.10		
Isopropylbenzene	1.432	10.7		
Methylene Chloride	0.2467	6.73		
Naphthalene	1.185	8.19		
Styrene	0.8986	15.4		1.00
Tetrachloroethene	0.3065	12.1		
Trichloroethene	0.2783	10.6		
Trichlorofluoromethane	0.4522	19.0		1.00
Vinyl Acetate	0.2204	6.85		
cis-1,2-Dichloroethene	0.2733	7.78		
cis-1,3-Dichloropropene	0.3407	11.3		
m-,p-Xylene	0.6012	9.33		
n-Butylbenzene	2.082	11.4		
n-Propylbenzene	3.278	11.5		
o-Xylene	0.5718	11.9		
p-Isopropyltoluene	2.463	12.9		
sec-Butylbenzene	2.855	11.6		
tert-Butylbenzene	0.5075	13.6		
trans-1,2-Dichloroethene	0.2678	8.26		
trans-1,3-Dichloropropene	0.3914	11.1		

INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS10

Analytical Method: 8260B

Initial Calibration Date: 23-AUG-06 18:49

Column ID: F

00061336

Analyte	WG220547-02			WG220547-03			WG220547-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	1.00	5874.00000	0.2339
1,2-Dichloropropane	NA	NA	NA	0.400	1993.00000	0.2024	1.00	5891.00000	0.2346
Chloroform	0.300	3446.00000	0.4564	0.400	3821.00000	0.3880	1.00	11790.0000	0.4694
Ethylbenzene	NA	NA	NA	0.400	2666.00000	0.3817	1.00	9157.00000	0.5150
Toluene	NA	NA	NA	0.400	8233.00000	1.179	1.00	26816.0000	1.508
Vinyl Chloride	NA	NA	NA	0.400	1158.00000	0.1176	1.00	4239.00000	0.1688
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.400	567.000000	0.1653	1.00	3141.00000	0.3547
1,1-Dichloroethane	NA	NA	NA	0.400	4003.00000	0.4065	1.00	12109.0000	0.4821
Bromoform	NA	NA	NA	NA	NA	NA	1.00	1692.00000	0.09520
Chlorobenzene	NA	NA	NA	0.400	5950.00000	0.8520	1.00	17557.0000	0.9873
Chloromethane	NA	NA	NA	NA	NA	NA	1.00	5465.00000	0.2176
1,1,1,2-Tetrachloroethane	NA	NA	NA	0.400	1723.00000	0.2467	1.00	5749.00000	0.3233
1,1,1-Trichloroethane	NA	NA	NA	0.400	2669.00000	0.2710	1.00	10501.0000	0.4181
1,1,2-Trichloroethane	NA	NA	NA	0.400	1110.00000	0.1589	1.00	3778.00000	0.2125
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA	1.00	8797.00000	0.3503
1,2,3-Trichlorobenzene	0.300	2223.00000	0.8350	0.400	1826.00000	0.5322	1.00	5860.00000	0.6617
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA	1.00	637.000000	0.07190
1,2,4-Trichlorobenzene	NA	NA	NA	0.400	2505.00000	0.7301	1.00	7691.00000	0.8684
1,2,4-Trimethylbenzene	NA	NA	NA	0.400	6438.00000	1.877	1.00	20948.0000	2.365
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	0.400	961.000000	0.1376	1.00	3692.00000	0.2076
1,2-Dichlorobenzene	0.300	3879.00000	1.457	0.400	3704.00000	1.080	1.00	11061.0000	1.249
1,2-Dichloroethane	NA	NA	NA	0.400	2593.00000	0.2633	1.00	7614.00000	0.3032
1,3,5-Trimethylbenzene	NA	NA	NA	0.400	5875.00000	1.712	1.00	19946.0000	2.252
1,3-Dichlorobenzene	NA	NA	NA	0.400	4545.00000	1.325	1.00	13083.0000	1.477
1,3-Dichloropropane	NA	NA	NA	0.400	1995.00000	0.2857	1.00	6395.00000	0.3596
1,4-Dichlorobenzene	0.300	4400.00000	1.653	0.400	4621.00000	1.347	1.00	13678.0000	1.545
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA	1.00	10553.0000	0.4202
2-Butanone	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl Vinyl Ether	NA	NA	NA	NA	NA	NA	1.00	1917.00000	0.07630
2-Chlorotoluene	NA	NA	NA	0.400	7025.00000	2.048	1.00	22299.0000	2.518
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	0.400	6565.00000	1.914	1.00	19178.0000	2.166
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	0.400	8201.00000	0.8327	1.00	26222.0000	1.044
Bromobenzene	0.300	1863.00000	0.6998	0.400	1997.00000	0.5821	1.00	6956.00000	0.7854
Bromochloromethane	NA	NA	NA	0.400	627.000000	0.06370	1.00	2837.00000	0.1130
Bromodichloromethane	NA	NA	NA	0.400	2047.00000	0.2078	1.00	6692.00000	0.2665
Bromomethane	NA	NA	NA	NA	NA	NA	1.00	2733.00000	0.1088
Carbon Disulfide	NA	NA	NA	NA	NA	NA	1.00	19344.0000	0.7702
Carbon Tetrachloride	NA	NA	NA	0.400	1809.00000	0.1837	1.00	9591.00000	0.3819

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Analytical Method: 8260B

Initial Calibration Date: 23-AUG-06 18:49

Column ID: F

00061337

Analyte	WG220547-05			WG220547-06			WG220547-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	2.00	11546.0000	0.2345	5.00	31113.0000	0.2485	10.0	63280.0000	0.2529
1,2-Dichloropropane	2.00	11001.0000	0.2234	5.00	28899.0000	0.2308	10.0	60946.0000	0.2436
Chloroform	2.00	22383.0000	0.4546	5.00	57632.0000	0.4604	10.0	117660.000	0.4703
Ethylbenzene	2.00	17575.0000	0.5020	5.00	45685.0000	0.5202	10.0	94192.0000	0.5308
Toluene	2.00	50150.0000	1.432	5.00	128254.000	1.460	10.0	267376.000	1.507
Vinyl Chloride	2.00	7736.00000	0.1571	5.00	20732.0000	0.1656	10.0	32385.0000	0.1294
1,1,2,2-Tetrachloroethane	2.00	6025.00000	0.3442	5.00	15329.0000	0.3467	10.0	33524.0000	0.3764
1,1-Dichloroethane	2.00	22692.0000	0.4609	5.00	59796.0000	0.4777	10.0	123435.000	0.4933
Bromoform	2.00	3414.00000	0.09750	5.00	10260.0000	0.1168	10.0	22505.0000	0.1268
Chlorobenzene	2.00	32685.0000	0.9335	5.00	84660.0000	0.9639	10.0	176676.000	0.9957
Chloromethane	2.00	9139.00000	0.1856	5.00	23649.0000	0.1889	10.0	44390.0000	0.1774
1,1,1,2-Tetrachloroethane	2.00	10871.0000	0.3105	5.00	28362.0000	0.3229	10.0	59703.0000	0.3365
1,1,1-Trichloroethane	2.00	19776.0000	0.4016	5.00	53666.0000	0.4287	10.0	110763.000	0.4427
1,1,2-Trichloroethane	2.00	6824.00000	0.1949	5.00	17716.0000	0.2017	10.0	36511.0000	0.2058
1,1-Dichloropropene	2.00	16736.0000	0.3399	5.00	45146.0000	0.3606	10.0	92938.0000	0.3715
1,2,3-Trichlorobenzene	2.00	10599.0000	0.6054	5.00	27449.0000	0.6208	10.0	58030.0000	0.6515
1,2,3-Trichloropropane	2.00	2008.00000	0.1147	5.00	5140.00000	0.1163	10.0	11455.0000	0.1286
1,2,4-Trichlorobenzene	2.00	14025.0000	0.8011	5.00	36930.0000	0.8353	10.0	75611.0000	0.8489
1,2,4-Trimethylbenzene	2.00	43328.0000	2.475	5.00	113581.000	2.569	10.0	236711.000	2.658
1,2-Dibromo-3-Chloropropane	2.00	480.000000	0.02740	5.00	2265.00000	0.05120	10.0	5454.00000	0.06120
1,2-Dibromoethane	2.00	6771.00000	0.1934	5.00	17511.0000	0.1994	10.0	38428.0000	0.2166
1,2-Dichlorobenzene	2.00	21308.0000	1.217	5.00	54686.0000	1.237	10.0	112430.000	1.262
1,2-Dichloroethane	2.00	14083.0000	0.2860	5.00	37205.0000	0.2972	10.0	77060.0000	0.3080
1,3,5-Trimethylbenzene	2.00	38540.0000	2.201	5.00	106490.000	2.409	10.0	224976.000	2.526
1,3-Dichlorobenzene	2.00	25152.0000	1.437	5.00	64726.0000	1.464	10.0	134123.000	1.506
1,3-Dichloropropane	2.00	12049.0000	0.3441	5.00	32477.0000	0.3698	10.0	67348.0000	0.3795
1,4-Dichlorobenzene	2.00	25264.0000	1.443	5.00	65162.0000	1.474	10.0	133291.000	1.497
2,2-Dichloropropane	2.00	18873.0000	0.3833	5.00	52613.0000	0.4203	10.0	104880.000	0.4192
2-Butanone	NA	NA	NA	5.00	4923.00000	0.03930	10.0	10237.0000	0.04090
2-Chloroethyl Vinyl Ether	2.00	3699.00000	0.07510	5.00	10563.0000	0.08440	10.0	22528.0000	0.09000
2-Chlorotoluene	2.00	41366.0000	2.363	5.00	111169.000	2.514	10.0	222626.000	2.500
2-Hexanone	NA	NA	NA	5.00	7067.00000	0.08050	10.0	15478.0000	0.08720
4-Chlorotoluene	2.00	37237.0000	2.127	5.00	94223.0000	2.131	10.0	196870.000	2.210
4-Methyl-2-Pentanone	NA	NA	NA	5.00	4214.00000	0.03370	10.0	9726.00000	0.03890
Acetone	NA	NA	NA	5.00	5233.00000	0.04180	10.0	9654.00000	0.03860
Benzene	2.00	48446.0000	0.9839	5.00	122915.000	0.9819	10.0	251443.000	1.005
Bromobenzene	2.00	12734.0000	0.7274	5.00	33662.0000	0.7613	10.0	68542.0000	0.7696
Bromochloromethane	2.00	5623.00000	0.1142	5.00	14800.0000	0.1182	10.0	30058.0000	0.1201
Bromodichloromethane	2.00	13389.0000	0.2719	5.00	36060.0000	0.2881	10.0	75346.0000	0.3011
Bromomethane	2.00	4342.00000	0.08820	5.00	12610.0000	0.1007	10.0	23945.0000	0.09570
Carbon Disulfide	2.00	37918.0000	0.7701	5.00	95150.0000	0.7601	10.0	195442.000	0.7811
Carbon Tetrachloride	2.00	17051.0000	0.3463	5.00	46555.0000	0.3719	10.0	98034.0000	0.3918

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Instrument ID: HPMS10

Analytical Method: 8260B

Initial Calibration Date: 23-AUG-06 18:49

Column ID: F

00061338

Analyte	WG220547-08			WG220547-09			WG220547-10		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	20.0	129953.000	0.2604	50.0	320700.000	0.2522	100	632740.000	0.2524
1,2-Dichloropropane	20.0	122979.000	0.2465	50.0	307677.000	0.2420	100	599695.000	0.2392
Chloroform	20.0	238554.000	0.4781	50.0	596872.000	0.4695	100	1156936.00	0.4615
Ethylbenzene	20.0	190025.000	0.5402	50.0	469664.000	0.5172	100	901143.000	0.5016
Toluene	20.0	533962.000	1.518	50.0	1323963.00	1.458	100	2561122.00	1.426
Vinyl Chloride	20.0	71795.0000	0.1439	50.0	159157.000	0.1252	100	301707.000	0.1204
1,1,2,2-Tetrachloroethane	20.0	67281.0000	0.3801	50.0	173698.000	0.3790	100	344940.000	0.3809
1,1-Dichloroethane	20.0	248620.000	0.4983	50.0	618636.000	0.4866	100	1205872.00	0.4810
Bromoform	20.0	50013.0000	0.1422	50.0	133591.000	0.1471	100	269678.000	0.1501
Chlorobenzene	20.0	349347.000	0.9931	50.0	868529.000	0.9565	100	1682608.00	0.9366
Chloromethane	20.0	94904.0000	0.1902	50.0	227915.000	0.1793	100	443231.000	0.1768
1,1,1,2-Tetrachloroethane	20.0	120671.000	0.3431	50.0	304498.000	0.3353	100	586672.000	0.3266
1,1,1-Trichloroethane	20.0	224229.000	0.4494	50.0	559221.000	0.4398	100	1076997.00	0.4296
1,1,2-Trichloroethane	20.0	75415.0000	0.2144	50.0	190766.000	0.2101	100	373598.000	0.2080
1,1-Dichloropropene	20.0	186466.000	0.3737	50.0	466045.000	0.3666	100	907446.000	0.3620
1,2,3-Trichlorobenzene	20.0	117454.000	0.6636	50.0	290550.000	0.6339	100	573795.000	0.6336
1,2,3-Trichloropropane	20.0	22096.0000	0.1248	50.0	58188.0000	0.1270	100	115268.000	0.1273
1,2,4-Trichlorobenzene	20.0	150393.000	0.8497	50.0	380379.000	0.8299	100	745783.000	0.8235
1,2,4-Trimethylbenzene	20.0	471309.000	2.663	50.0	1177950.00	2.570	100	2305571.00	2.546
1,2-Dibromo-3-Chloropropane	20.0	12017.0000	0.06790	50.0	32884.0000	0.07170	100	68268.0000	0.07540
1,2-Dibromoethane	20.0	77782.0000	0.2211	50.0	199875.000	0.2201	100	393014.000	0.2188
1,2-Dichlorobenzene	20.0	226276.000	1.279	50.0	565854.000	1.235	100	1108900.00	1.225
1,2-Dichloroethane	20.0	154724.000	0.3101	50.0	387076.000	0.3044	100	733155.000	0.2925
1,3,5-Trimethylbenzene	20.0	450564.000	2.546	50.0	1137485.00	2.482	100	2223057.00	2.455
1,3-Dichlorobenzene	20.0	266742.000	1.507	50.0	658534.000	1.437	100	1295892.00	1.431
1,3-Dichloropropane	20.0	135187.000	0.3843	50.0	340858.000	0.3754	100	661504.000	0.3682
1,4-Dichlorobenzene	20.0	268797.000	1.519	50.0	659767.000	1.440	100	1297731.00	1.433
2,2-Dichloropropane	20.0	218687.000	0.4383	50.0	536577.000	0.4220	100	1037306.00	0.4138
2-Butanone	20.0	21468.0000	0.04300	50.0	56408.0000	0.04440	100	115378.000	0.04600
2-Chloroethyl Vinyl Ether	20.0	46094.0000	0.09240	50.0	123388.000	0.09700	100	242832.000	0.09690
2-Chlorotoluene	20.0	452328.000	2.556	50.0	1116835.00	2.437	100	2173431.00	2.400
2-Hexanone	20.0	32785.0000	0.09320	50.0	86325.0000	0.09510	100	169148.000	0.09420
4-Chlorotoluene	20.0	391255.000	2.211	50.0	964342.000	2.104	100	1892392.00	2.090
4-Methyl-2-Pentanone	20.0	20849.0000	0.04180	50.0	54406.0000	0.04280	100	108172.000	0.04320
Acetone	20.0	18401.0000	0.03690	50.0	43989.0000	0.03460	100	82532.0000	0.03290
Benzene	20.0	503918.000	1.010	50.0	1251135.00	0.9841	100	2384476.00	0.9512
Bromobenzene	20.0	137064.000	0.7744	50.0	343061.000	0.7485	100	673443.000	0.7436
Bromochloromethane	20.0	62868.0000	0.1260	50.0	158226.000	0.1245	100	303795.000	0.1212
Bromodichloromethane	20.0	155203.000	0.3110	50.0	394063.000	0.3099	100	771728.000	0.3078
Bromomethane	20.0	50319.0000	0.1008	50.0	132805.000	0.1045	100	267296.000	0.1066
Carbon Disulfide	20.0	395595.000	0.7928	50.0	967202.000	0.7607	100	1862083.00	0.7428
Carbon Tetrachloride	20.0	203338.000	0.4075	50.0	514112.000	0.4044	100	1008545.00	0.4023

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Instrument ID: HPMS10

Initial Calibration Date: 23-AUG-06 18:49

Column ID: F

00061339

Analyte	WG220547-11		
	CONC	RESP	RF
1,1-Dichloroethene	200	1228071.00	0.2376
1,2-Dichloropropane	200	1144606.00	0.2215
Chloroform	200	2208337.00	0.4273
Ethylbenzene	200	1623420.00	0.4551
Toluene	200	4754851.00	1.333
Vinyl Chloride	NA	NA	NA
1,1,2,2-Tetrachloroethane	200	646361.000	0.3541
1,1-Dichloroethane	200	2326752.00	0.4502
Bromoform	200	506980.000	0.1421
Chlorobenzene	200	3077738.00	0.8628
Chloromethane	200	850821.000	0.1646
1,1,1,2-Tetrachloroethane	200	1038738.00	0.2912
1,1,1-Trichloroethane	200	2031811.00	0.3931
1,1,2-Trichloroethane	200	687487.000	0.1927
1,1-Dichloropropene	200	1739437.00	0.3366
1,2,3-Trichlorobenzene	200	1046516.00	0.5733
1,2,3-Trichloropropane	200	217563.000	0.1192
1,2,4-Trichlorobenzene	200	1371216.00	0.7511
1,2,4-Trimethylbenzene	200	4305762.00	2.359
1,2-Dibromo-3-Chloropropane	200	132403.000	0.07250
1,2-Dibromoethane	200	731591.000	0.2051
1,2-Dichlorobenzene	200	2076274.00	1.137
1,2-Dichloroethane	200	1354793.00	0.2621
1,3,5-Trimethylbenzene	200	4130462.00	2.263
1,3-Dichlorobenzene	200	2429247.00	1.331
1,3-Dichloropropane	200	1222949.00	0.3428
1,4-Dichlorobenzene	200	2410623.00	1.321
2,2-Dichloropropane	200	1996549.00	0.3863
2-Butanone	200	216719.000	0.04190
2-Chloroethyl Vinyl Ether	200	470889.000	0.09110
2-Chlorotoluene	200	3895723.00	2.134
2-Hexanone	200	301433.000	0.08450
4-Chlorotoluene	200	3618262.00	1.982
4-Methyl-2-Pentanone	200	197463.000	0.03820
Acetone	200	162254.000	0.03140
Benzene	200	4472174.00	0.8653
Bromobenzene	200	1259959.00	0.6902
Bromochloromethane	200	574210.000	0.1111
Bromodichloromethane	200	1450490.00	0.2806
Bromomethane	200	537841.000	0.1041
Carbon Disulfide	200	3541232.00	0.6852
Carbon Tetrachloride	200	1962325.00	0.3797

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Column ID: F

00061340

Analyte	WG220547-02			WG220547-03			WG220547-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	NA	NA	NA	NA	NA	NA	1.00	4897.00000	0.1950
Dibromochloromethane	NA	NA	NA	0.400	1025.00000	0.1468	1.00	3887.00000	0.2186
Dibromomethane	NA	NA	NA	NA	NA	NA	1.00	2778.00000	0.1106
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	1.00	5772.00000	0.2298
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	1.00	2617.00000	0.2955
Isopropylbenzene	NA	NA	NA	0.400	7339.00000	1.051	1.00	26104.0000	1.468
Methylene Chloride	NA	NA	NA	0.400	2161.00000	0.2194	1.00	6714.00000	0.2673
Naphthalene	NA	NA	NA	0.400	3433.00000	1.001	1.00	10356.0000	1.169
Styrene	NA	NA	NA	0.400	4158.00000	0.5954	1.00	14359.0000	0.8075
Tetrachloroethene	NA	NA	NA	0.400	1483.00000	0.2123	1.00	5801.00000	0.3262
Trichloroethene	NA	NA	NA	0.400	2011.00000	0.2042	1.00	7179.00000	0.2858
Trichlorofluoromethane	NA	NA	NA	0.400	2257.00000	0.2292	1.00	11953.0000	0.4759
Vinyl Acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	0.400	2184.00000	0.2218	1.00	6998.00000	0.2786
cis-1,3-Dichloropropene	NA	NA	NA	0.400	2464.00000	0.2502	1.00	8348.00000	0.3324
m-,p-Xylene	NA	NA	NA	0.800	6804.00000	0.4871	2.00	21665.0000	0.6092
n-Butylbenzene	NA	NA	NA	0.400	5097.00000	1.486	1.00	18660.0000	2.107
n-Propylbenzene	NA	NA	NA	0.400	8072.00000	2.353	1.00	29259.0000	3.304
o-Xylene	NA	NA	NA	0.400	2796.00000	0.4004	1.00	10396.0000	0.5846
p-Isopropyltoluene	NA	NA	NA	0.400	5773.00000	1.683	1.00	21224.0000	2.397
sec-Butylbenzene	NA	NA	NA	0.400	6909.00000	2.014	1.00	25848.0000	2.919
tert-Butylbenzene	NA	NA	NA	0.400	1133.00000	0.3302	1.00	4560.00000	0.5149
trans-1,2-Dichloroethene	NA	NA	NA	0.400	2104.00000	0.2136	1.00	6819.00000	0.2715
trans-1,3-Dichloropropene	NA	NA	NA	0.400	2036.00000	0.2915	1.00	6679.00000	0.3756

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Analytical Method: 8260B

Initial Calibration Date: 23-AUG-06 18:49

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00061341

Analyte	WG220547-05			WG220547-06			WG220547-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	2.00	8857.00000	0.1799	5.00	23157.0000	0.1850	10.0	43473.0000	0.1738
Dibromochloromethane	2.00	7487.00000	0.2138	5.00	20675.0000	0.2354	10.0	45097.0000	0.2541
Dibromomethane	2.00	5138.00000	0.1043	5.00	13996.0000	0.1118	10.0	28897.0000	0.1155
Dichlorodifluoromethane	2.00	10601.0000	0.2153	5.00	29835.0000	0.2383	10.0	55065.0000	0.2201
Hexachlorobutadiene	2.00	4920.00000	0.2810	5.00	13441.0000	0.3040	10.0	28190.0000	0.3165
Isopropylbenzene	2.00	49174.0000	1.404	5.00	130096.000	1.481	10.0	272622.000	1.536
Methylene Chloride	2.00	11872.0000	0.2411	5.00	32687.0000	0.2611	10.0	64782.0000	0.2589
Naphthalene	2.00	19364.0000	1.106	5.00	49604.0000	1.122	10.0	110640.000	1.242
Styrene	2.00	28788.0000	0.8222	5.00	80841.0000	0.9204	10.0	175912.000	0.9914
Tetrachloroethene	2.00	10752.0000	0.3071	5.00	28123.0000	0.3202	10.0	57824.0000	0.3259
Trichloroethene	2.00	13700.0000	0.2782	5.00	35917.0000	0.2869	10.0	74546.0000	0.2979
Trichlorofluoromethane	2.00	22436.0000	0.4557	5.00	62852.0000	0.5021	10.0	119415.000	0.4773
Vinyl Acetate	2.00	10239.0000	0.2079	5.00	27052.0000	0.2161	10.0	55798.0000	0.2230
cis-1,2-Dichloroethene	2.00	13936.0000	0.2830	5.00	33744.0000	0.2696	10.0	71142.0000	0.2843
cis-1,3-Dichloropropene	2.00	16013.0000	0.3252	5.00	43807.0000	0.3499	10.0	90673.0000	0.3624
m-,p-Xylene	4.00	42543.0000	0.6075	10.0	112422.000	0.6400	20.0	232092.000	0.6540
n-Butylbenzene	2.00	35408.0000	2.023	5.00	94773.0000	2.144	10.0	199190.000	2.236
n-Propylbenzene	2.00	57050.0000	3.259	5.00	151042.000	3.416	10.0	317360.000	3.563
o-Xylene	2.00	20044.0000	0.5725	5.00	52516.0000	0.5979	10.0	109120.000	0.6149
p-Isopropyltoluene	2.00	41668.0000	2.380	5.00	113572.000	2.569	10.0	237513.000	2.667
sec-Butylbenzene	2.00	49160.0000	2.808	5.00	130587.000	2.954	10.0	272717.000	3.062
tert-Butylbenzene	2.00	8925.00000	0.5098	5.00	23520.0000	0.5320	10.0	49641.0000	0.5573
trans-1,2-Dichloroethene	2.00	13446.0000	0.2731	5.00	34016.0000	0.2717	10.0	70720.0000	0.2827
trans-1,3-Dichloropropene	2.00	13118.0000	0.3747	5.00	34901.0000	0.3974	10.0	72971.0000	0.4112

INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS10

Analytical Method: 8260B

Initial Calibration Date: 23-AUG-06 18:49

Column ID: F

00061342

Analyte	WG220547-08			WG220547-09			WG220547-10		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	20.0	93989.0000	0.1884	50.0	229102.000	0.1802	100	448494.000	0.1789
Dibromochloromethane	20.0	94483.0000	0.2686	50.0	254090.000	0.2798	100	510308.000	0.2841
Dibromomethane	20.0	59590.0000	0.1194	50.0	153428.000	0.1207	100	290917.000	0.1160
Dichlorodifluoromethane	20.0	121259.000	0.2430	50.0	292985.000	0.2304	100	568032.000	0.2266
Hexachlorobutadiene	20.0	56368.0000	0.3185	50.0	141045.000	0.3077	100	285855.000	0.3157
Isopropylbenzene	20.0	549225.000	1.561	50.0	1362774.00	1.501	100	2684046.00	1.494
Methylene Chloride	20.0	128272.000	0.2571	50.0	316451.000	0.2489	100	609426.000	0.2431
Naphthalene	20.0	224315.000	1.267	50.0	585709.000	1.278	100	1173216.00	1.296
Styrene	20.0	362143.000	1.030	50.0	905999.000	0.9977	100	1788220.00	0.9954
Tetrachloroethene	20.0	117850.000	0.3350	50.0	290002.000	0.3194	100	564379.000	0.3142
Trichloroethene	20.0	149288.000	0.2992	50.0	375339.000	0.2952	100	724959.000	0.2892
Trichlorofluoromethane	20.0	252908.000	0.5069	50.0	624109.000	0.4909	100	1215883.00	0.4850
Vinyl Acetate	20.0	115383.000	0.2312	50.0	298840.000	0.2350	100	588381.000	0.2347
cis-1,2-Dichloroethene	20.0	145073.000	0.2907	50.0	366548.000	0.2883	100	704403.000	0.2810
cis-1,3-Dichloropropene	20.0	184064.000	0.3689	50.0	474484.000	0.3732	100	927062.000	0.3698
m-,p-Xylene	40.0	461822.000	0.6565	100	1125998.00	0.6200	200	2161461.00	0.6016
n-Butylbenzene	20.0	401713.000	2.270	50.0	1002363.00	2.187	100	1995885.00	2.204
n-Propylbenzene	20.0	639750.000	3.615	50.0	1576348.00	3.439	100	3094625.00	3.417
o-Xylene	20.0	220088.000	0.6257	50.0	545834.000	0.6011	100	1069719.00	0.5955
p-Isopropyltoluene	20.0	483950.000	2.734	50.0	1203727.00	2.626	100	2386894.00	2.636
sec-Butylbenzene	20.0	547871.000	3.096	50.0	1377611.00	3.006	100	2726974.00	3.011
tert-Butylbenzene	20.0	98247.0000	0.5551	50.0	244992.000	0.5345	100	482431.000	0.5327
trans-1,2-Dichloroethene	20.0	143158.000	0.2869	50.0	354143.000	0.2785	100	693270.000	0.2765
trans-1,3-Dichloropropene	20.0	152784.000	0.4343	50.0	390762.000	0.4303	100	756049.000	0.4208

INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS10

00061343

Analytical Method: 8260B

Initial Calibration Date: 23-AUG-06 18:49

Column ID: F

Analyte	WG220547-11		
	CONC	RESP	RF
Chloroethane	200	863544.000	0.1671
Dibromochloromethane	200	962335.000	0.2698
Dibromomethane	200	549865.000	0.1064
Dichlorodifluoromethane	200	1077125.00	0.2084
Hexachlorobutadiene	200	561277.000	0.3075
Isopropylbenzene	200	4954006.00	1.389
Methylene Chloride	200	1156525.00	0.2238
Naphthalene	200	2169075.00	1.188
Styrene	200	3308327.00	0.9275
Tetrachloroethene	200	1064778.00	0.2985
Trichloroethene	200	1386388.00	0.2682
Trichlorofluoromethane	200	2307688.00	0.4465
Vinyl Acetate	200	1007185.00	0.1949
cis-1,2-Dichloroethene	200	1357707.00	0.2627
cis-1,3-Dichloropropene	200	1727794.00	0.3343
m-,p-Xylene	400	3816959.00	0.5350
n-Butylbenzene	200	3802298.00	2.083
n-Propylbenzene	200	5722402.00	3.135
o-Xylene	200	1973983.00	0.5534
p-Isopropyltoluene	200	4527918.00	2.480
sec-Butylbenzene	200	5151933.00	2.822
tert-Butylbenzene	200	914630.000	0.5010
trans-1,2-Dichloroethene	200	1321511.00	0.2557
trans-1,3-Dichloropropene	200	1380573.00	0.3870

INITIAL CALIBRATION SUMMARY

00061344

Login Number: L0608643
 Analytical Method: 8260B
 ICAL Workgroup: WG221175

Instrument ID: HPMS11
 Initial Calibration Date: 30-AUG-06 20:05
 Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
1,1-Dichloroethene	CCC	0.2414	12.1		
1,2-Dichloropropane	CCC	0.2774	8.78		
Chloroform	CCC	0.4540	4.89		
Ethylbenzene	CCC	0.4927	4.66		
Toluene	CCC	1.251	9.99		
Vinyl Chloride	CCC	0.2795	6.98		
1,1,2,2-Tetrachloroethane	SPCC	0.6416	6.60		
1,1-Dichloroethane	SPCC	0.5075	10.5		
Bromoform	SPCC	0.2478	13.0		
Chlorobenzene	SPCC	0.9034	4.25		
Chloromethane	SPCC	0.4479	8.21		
1,1,1,2-Tetrachloroethane		0.3254	6.88		
1,1,1-Trichloroethane		0.4281	7.17		
1,1,2-Trichloroethane		0.2580	8.86		
1,1-Dichloropropene		0.3388	10.2		
1,2,3-Trichlorobenzene		0.8990	3.98		
1,2,3-Trichloropropane		0.2286	4.93		
1,2,4-Trichlorobenzene		0.9385	3.41		
1,2,4-Trimethylbenzene		2.503	6.85		
1,2-Dibromo-3-Chloropropane		0.1574	9.56		
1,2-Dibromoethane		0.2790	9.31		
1,2-Dichlorobenzene		1.256	5.34		
1,2-Dichloroethane		0.4581	3.56		
1,3,5-Trimethylbenzene		2.344	10.5		
1,3-Dichlorobenzene		1.366	4.02		
1,3-Dichloropropane		0.4547	10.1		
1,4-Dichlorobenzene		1.432	6.48		
2,2-Dichloropropane		0.3866	7.08		
2-Butanone		0.1382	20.2		0.996
2-Chloroethyl Vinyl Ether		0.1293	29.1	0.997	
2-Chlorotoluene		2.223	4.63		
2-Hexanone		0.2634	18.4		1.00
4-Chlorotoluene		2.081	5.28		
4-Methyl-2-Pentanone		0.1131	24.5	0.992	
Acetone		0.1308	13.1		
Benzene		0.9428	6.62		
Bromobenzene		0.6638	3.85		
Bromochloromethane		0.1736	7.93		
Bromodichloromethane		0.3738	12.7		
Bromomethane		0.1997	17.2		1.00
Carbon Disulfide		0.7079	7.28		
Carbon Tetrachloride		0.3812	7.38		
Chloroethane		0.2644	15.8	0.995	
Dibromochloromethane		0.3123	14.9		
Dibromomethane		0.1616	7.21		

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 Version 1.5 PDF File ID: 558072
 Report generated 09/08/2006 08:28

INITIAL CALIBRATION SUMMARY

00061345

Login Number: L0608643
 Analytical Method: 8260B
 ICAL Workgroup: WG221175

Instrument ID: HPMS11
 Initial Calibration Date: 30-AUG-06 20:05
 Column ID: F

Analyte	AVG RF	% RSD	LINEAR	QUAD
Dichlorodifluoromethane	0.4466	8.23		
Hexachlorobutadiene	0.5273	6.18		
Isopropylbenzene	1.547	12.8		
Methylene Chloride	0.3022	8.48		
Naphthalene	2.231	10.7		
Styrene	0.9788	13.5		
Tetrachloroethene	0.2551	6.83		
Trichloroethene	0.2637	6.96		
Trichlorofluoromethane	0.6557	7.11		
Vinyl Acetate	0.4260	14.5		
cis-1,2-Dichloroethene	0.2421	12.0		
cis-1,3-Dichloropropene	0.4206	18.2	0.999	
m-,p-Xylene	0.6172	6.23		
n-Butylbenzene	2.558	7.82		
n-Propylbenzene	3.411	8.73		
o-Xylene	1.267	10.3		
p-Isopropyltoluene	2.569	9.34		
sec-Butylbenzene	3.102	8.42		
tert-Butylbenzene	0.4847	8.71		
trans-1,2-Dichloroethene	0.2187	6.20		
trans-1,3-Dichloropropene	0.4732	14.9		

INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS11

Analytical Method: 8260B

Initial Calibration Date: 30-AUG-06 20:05

Column ID: F

00061346

Analyte	WG221175-02			WG221175-03			WG221175-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	2.00	5229.00000	0.1945	5.00	14627.0000	0.2183
1,2-Dichloropropane	NA	NA	NA	2.00	6834.00000	0.2543	5.00	16935.0000	0.2528
Chloroform	NA	NA	NA	2.00	11180.0000	0.4160	5.00	30480.0000	0.4550
Ethylbenzene	0.500	3239.00000	0.4973	2.00	12753.0000	0.4697	5.00	32795.0000	0.4779
Toluene	NA	NA	NA	2.00	40489.0000	1.491	5.00	79664.0000	1.161
Vinyl Chloride	NA	NA	NA	2.00	7825.00000	0.2911	5.00	18537.0000	0.2767
1,1,2,2-Tetrachloroethane	NA	NA	NA	2.00	9044.00000	0.5689	5.00	24097.0000	0.6019
1,1-Dichloroethane	NA	NA	NA	2.00	11606.0000	0.4318	5.00	31948.0000	0.4769
Bromoform	NA	NA	NA	NA	NA	NA	5.00	13519.0000	0.1970
Chlorobenzene	NA	NA	NA	2.00	24938.0000	0.9185	5.00	61594.0000	0.8975
Chloromethane	NA	NA	NA	NA	NA	NA	5.00	29123.0000	0.4347
1,1,1,2-Tetrachloroethane	NA	NA	NA	2.00	7774.00000	0.2863	5.00	21167.0000	0.3084
1,1,1-Trichloroethane	NA	NA	NA	2.00	10098.0000	0.3757	5.00	27795.0000	0.4149
1,1,2-Trichloroethane	NA	NA	NA	2.00	5959.00000	0.2195	5.00	16319.0000	0.2378
1,1-Dichloropropene	NA	NA	NA	2.00	7769.00000	0.2890	5.00	20071.0000	0.2996
1,2,3-Trichlorobenzene	NA	NA	NA	2.00	13648.0000	0.8585	5.00	35879.0000	0.8962
1,2,3-Trichloropropane	NA	NA	NA	2.00	3466.00000	0.2180	5.00	8642.00000	0.2159
1,2,4-Trichlorobenzene	NA	NA	NA	2.00	14708.0000	0.9252	5.00	38287.0000	0.9563
1,2,4-Trimethylbenzene	NA	NA	NA	2.00	35110.0000	2.209	5.00	96110.0000	2.401
1,2-Dibromo-3-Chloropropane	NA	NA	NA	2.00	2304.00000	0.1449	5.00	5455.00000	0.1363
1,2-Dibromoethane	NA	NA	NA	2.00	6355.00000	0.2341	5.00	17682.0000	0.2577
1,2-Dichlorobenzene	NA	NA	NA	2.00	17922.0000	1.127	5.00	50962.0000	1.273
1,2-Dichloroethane	NA	NA	NA	2.00	11777.0000	0.4382	5.00	30403.0000	0.4538
1,3,5-Trimethylbenzene	NA	NA	NA	2.00	29766.0000	1.872	5.00	87649.0000	2.189
1,3-Dichlorobenzene	NA	NA	NA	2.00	22411.0000	1.410	5.00	54464.0000	1.360
1,3-Dichloropropane	NA	NA	NA	2.00	10556.0000	0.3888	5.00	27432.0000	0.3997
1,4-Dichlorobenzene	NA	NA	NA	2.00	24822.0000	1.561	5.00	59829.0000	1.494
2,2-Dichloropropane	NA	NA	NA	2.00	9352.00000	0.3479	5.00	24495.0000	0.3656
2-Butanone	NA	NA	NA	NA	NA	NA	5.00	7106.00000	0.1061
2-Chloroethyl Vinyl Ether	NA	NA	NA	2.00	2245.00000	0.08350	5.00	5989.00000	0.08940
2-Chlorotoluene	NA	NA	NA	2.00	33566.0000	2.111	5.00	87008.0000	2.173
2-Hexanone	NA	NA	NA	NA	NA	NA	5.00	12972.0000	0.1890
4-Chlorotoluene	NA	NA	NA	2.00	30245.0000	1.903	5.00	80592.0000	2.013
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA	5.00	5193.00000	0.07750
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.500	7089.00000	1.019	2.00	22407.0000	0.8337	5.00	59071.0000	0.8817
Bromobenzene	NA	NA	NA	2.00	10042.0000	0.6317	5.00	25677.0000	0.6414
Bromochloromethane	NA	NA	NA	2.00	4347.00000	0.1617	5.00	10988.0000	0.1640
Bromodichloromethane	NA	NA	NA	2.00	8402.00000	0.3126	5.00	21903.0000	0.3269
Bromomethane	NA	NA	NA	NA	NA	NA	5.00	10190.0000	0.1521
Carbon Disulfide	NA	NA	NA	2.00	17215.0000	0.6405	5.00	45806.0000	0.6837
Carbon Tetrachloride	NA	NA	NA	2.00	9478.00000	0.3526	5.00	23058.0000	0.3442

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INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS11

Analytical Method: 8260B

Initial Calibration Date: 30-AUG-06 20:05

Column ID: F

00061347

Analyte	WG221175-05			WG221175-06			WG221175-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	10.0	38149.0000	0.2302	20.0	69000.0000	0.2462	50.0	208176.000	0.2668
1,2-Dichloropropane	10.0	44005.0000	0.2655	20.0	73439.0000	0.2620	50.0	228434.000	0.2928
Chloroform	10.0	77909.0000	0.4701	20.0	128192.000	0.4574	50.0	374445.000	0.4799
Ethylbenzene	10.0	74257.0000	0.5093	20.0	146266.000	0.5097	50.0	390071.000	0.5293
Toluene	10.0	188204.000	1.291	20.0	340948.000	1.188	50.0	960226.000	1.303
Vinyl Chloride	10.0	43095.0000	0.2601	20.0	84185.0000	0.3004	50.0	222941.000	0.2857
1,1,2,2-Tetrachloroethane	10.0	57137.0000	0.6837	20.0	109136.000	0.6435	50.0	284346.000	0.6498
1,1-Dichloroethane	10.0	80789.0000	0.4875	20.0	135855.000	0.4848	50.0	407193.000	0.5219
Bromoform	10.0	33414.0000	0.2292	20.0	69090.0000	0.2408	50.0	191511.000	0.2599
Chlorobenzene	10.0	136470.000	0.9361	20.0	263331.000	0.9177	50.0	695289.000	0.9435
Chloromethane	10.0	66877.0000	0.4036	20.0	125472.000	0.4477	50.0	345013.000	0.4422
1,1,1,2-Tetrachloroethane	10.0	49122.0000	0.3369	20.0	95823.0000	0.3339	50.0	261218.000	0.3545
1,1,1-Trichloroethane	10.0	73970.0000	0.4464	20.0	120992.000	0.4317	50.0	370078.000	0.4743
1,1,2-Trichloroethane	10.0	40803.0000	0.2799	20.0	72709.0000	0.2534	50.0	203007.000	0.2755
1,1-Dichloropropene	10.0	56396.0000	0.3403	20.0	95746.0000	0.3416	50.0	302346.000	0.3875
1,2,3-Trichlorobenzene	10.0	77153.0000	0.9233	20.0	148851.000	0.8776	50.0	418291.000	0.9558
1,2,3-Trichloropropane	10.0	20763.0000	0.2485	20.0	37730.0000	0.2225	50.0	103195.000	0.2358
1,2,4-Trichlorobenzene	10.0	80752.0000	0.9663	20.0	156161.000	0.9207	50.0	429816.000	0.9822
1,2,4-Trimethylbenzene	10.0	219842.000	2.631	20.0	442282.000	2.608	50.0	1190110.00	2.720
1,2-Dibromo-3-Chloropropane	10.0	12838.0000	0.1536	20.0	25855.0000	0.1524	50.0	71157.0000	0.1626
1,2-Dibromoethane	10.0	41677.0000	0.2859	20.0	78264.0000	0.2727	50.0	221914.000	0.3011
1,2-Dichlorobenzene	10.0	108447.000	1.298	20.0	218724.000	1.290	50.0	583044.000	1.332
1,2-Dichloroethane	10.0	80294.0000	0.4845	20.0	126303.000	0.4507	50.0	371660.000	0.4764
1,3,5-Trimethylbenzene	10.0	204643.000	2.449	20.0	419832.000	2.475	50.0	1149282.00	2.626
1,3-Dichlorobenzene	10.0	118282.000	1.416	20.0	232063.000	1.368	50.0	620787.000	1.419
1,3-Dichloropropane	10.0	69793.0000	0.4787	20.0	127044.000	0.4427	50.0	364884.000	0.4951
1,4-Dichlorobenzene	10.0	122569.000	1.467	20.0	239760.000	1.414	50.0	638326.000	1.459
2,2-Dichloropropane	10.0	67642.0000	0.4082	20.0	111299.000	0.3971	50.0	333925.000	0.4280
2-Butanone	10.0	20564.0000	0.1241	20.0	34521.0000	0.1232	50.0	102086.000	0.1308
2-Chloroethyl Vinyl Ether	10.0	18974.0000	0.1145	20.0	33825.0000	0.1207	50.0	115557.000	0.1481
2-Chlorotoluene	10.0	192561.000	2.304	20.0	386999.000	2.282	50.0	1039529.00	2.376
2-Hexanone	10.0	36545.0000	0.2507	20.0	68327.0000	0.2381	50.0	202489.000	0.2748
4-Chlorotoluene	10.0	181050.000	2.167	20.0	365395.000	2.154	50.0	973605.000	2.225
4-Methyl-2-Pentanone	10.0	16287.0000	0.09830	20.0	28455.0000	0.1015	50.0	86378.0000	0.1107
Acetone	10.0	25991.0000	0.1568	20.0	35635.0000	0.1272	50.0	89016.0000	0.1141
Benzene	10.0	155288.000	0.9371	20.0	264808.000	0.9449	50.0	793555.000	1.017
Bromobenzene	10.0	57100.0000	0.6833	20.0	113626.000	0.6699	50.0	309110.000	0.7064
Bromochloromethane	10.0	26456.0000	0.1596	20.0	49089.0000	0.1752	50.0	140054.000	0.1795
Bromodichloromethane	10.0	58436.0000	0.3526	20.0	102627.000	0.3662	50.0	309833.000	0.3971
Bromomethane	10.0	28197.0000	0.1702	20.0	54220.0000	0.1935	50.0	166076.000	0.2129
Carbon Disulfide	10.0	110573.000	0.6672	20.0	198933.000	0.7098	50.0	594248.000	0.7616
Carbon Tetrachloride	10.0	66147.0000	0.3992	20.0	108383.000	0.3867	50.0	332022.000	0.4255

KEMRON FORMS - Modified 09/06/2006
Version 1.6 PDF File ID: 558072
Report generated 09/08/2006 08:28

INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS11

Analytical Method: 8260B

Initial Calibration Date: 30-AUG-06 20:05

Column ID: F

00061348

Analyte	WG221175-08			WG221175-09		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	100	347455.000	0.2788	200	895745.000	0.2549
1,2-Dichloropropane	100	379469.000	0.3045	200	1089840.00	0.3101
Chloroform	100	540318.000	0.4336	200	1638420.00	0.4662
Ethylbenzene	100	721119.000	0.4868	200	1502402.00	0.4614
Toluene	100	1657738.00	1.119	200	3917387.00	1.203
Vinyl Chloride	100	368149.000	0.2954	200	869377.000	0.2474
1,1,2,2-Tetrachloroethane	100	623635.000	0.6609	200	1374427.00	0.6825
1,1-Dichloroethane	100	703833.000	0.5648	200	2055873.00	0.5850
Bromoform	100	414138.000	0.2796	200	912562.000	0.2803
Chlorobenzene	100	1300980.00	0.8783	200	2709758.00	0.8322
Chloromethane	100	642386.000	0.5155	200	1559623.00	0.4438
1,1,1,2-Tetrachloroethane	100	498625.000	0.3366	200	1045241.00	0.3210
1,1,1-Trichloroethane	100	518367.000	0.4159	200	1539140.00	0.4379
1,1,2-Trichloroethane	100	386629.000	0.2610	200	907743.000	0.2788
1,1-Dichloropropene	100	434084.000	0.3483	200	1283729.00	0.3653
1,2,3-Trichlorobenzene	100	867485.000	0.9193	200	1736455.00	0.8623
1,2,3-Trichloropropane	100	216960.000	0.2299	200	462578.000	0.2297
1,2,4-Trichlorobenzene	100	878993.000	0.9315	200	1787306.00	0.8875
1,2,4-Trimethylbenzene	100	2377757.00	2.520	200	4902491.00	2.434
1,2-Dibromo-3-Chloropropane	100	165464.000	0.1753	200	355613.000	0.1766
1,2-Dibromoethane	100	439448.000	0.2967	200	993532.000	0.3051
1,2-Dichlorobenzene	100	1182931.00	1.254	200	2452362.00	1.218
1,2-Dichloroethane	100	561134.000	0.4503	200	1590688.00	0.4526
1,3,5-Trimethylbenzene	100	2292908.00	2.430	200	4763249.00	2.365
1,3-Dichlorobenzene	100	1246985.00	1.321	200	2559924.00	1.271
1,3-Dichloropropane	100	699419.000	0.4722	200	1645805.00	0.5054
1,4-Dichlorobenzene	100	1264783.00	1.340	200	2596392.00	1.289
2,2-Dichloropropane	100	461630.000	0.3704	200	1368350.00	0.3893
2-Butanone	100	218718.000	0.1755	200	595395.000	0.1694
2-Chloroethyl Vinyl Ether	100	224274.000	0.1800	200	593896.000	0.1690
2-Chlorotoluene	100	2090192.00	2.215	200	4227366.00	2.099
2-Hexanone	100	450790.000	0.3043	200	1054115.00	0.3237
4-Chlorotoluene	100	1959729.00	2.077	200	4091151.00	2.032
4-Methyl-2-Pentanone	100	191570.000	0.1537	200	480240.000	0.1366
Acetone	100	171395.000	0.1375	200	415505.000	0.1182
Benzene	100	1189184.00	0.9542	200	3354399.00	0.9544
Bromobenzene	100	625443.000	0.6628	200	1311615.00	0.6513
Bromochloromethane	100	248509.000	0.1994	200	618111.000	0.1759
Bromodichloromethane	100	543443.000	0.4361	200	1494368.00	0.4252
Bromomethane	100	285943.000	0.2294	200	844117.000	0.2402
Carbon Disulfide	100	980602.000	0.7869	200	2479169.00	0.7054
Carbon Tetrachloride	100	460160.000	0.3692	200	1375310.00	0.3913

KEMRON FORMS - Modified 09/06/2006
Version 1.6 PDF File ID: 558072
Report generated 09/08/2006 08:28

INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS11

Analytical Method: 8260B

Initial Calibration Date: 30-AUG-06 20:05

Column ID: F

00061349

Analyte	WG221175-02			WG221175-03			WG221175-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	NA	NA	NA	NA	NA	NA	5.00	14436.0000	0.2155
Dibromochloromethane	NA	NA	NA	2.00	6301.00000	0.2321	5.00	18752.0000	0.2732
Dibromomethane	NA	NA	NA	2.00	3829.00000	0.1425	5.00	10153.0000	0.1515
Dichlorodifluoromethane	NA	NA	NA	2.00	11625.0000	0.4325	5.00	28113.0000	0.4196
Hexachlorobutadiene	NA	NA	NA	2.00	7470.00000	0.4699	5.00	20244.0000	0.5056
Isopropylbenzene	NA	NA	NA	2.00	32553.0000	1.199	5.00	94331.0000	1.375
Methylene Chloride	NA	NA	NA	2.00	8501.00000	0.3163	5.00	19495.0000	0.2910
Naphthalene	NA	NA	NA	2.00	29065.0000	1.828	5.00	80520.0000	2.011
Styrene	NA	NA	NA	2.00	20605.0000	0.7589	5.00	57831.0000	0.8427
Tetrachloroethene	NA	NA	NA	2.00	6511.00000	0.2398	5.00	16361.0000	0.2384
Trichloroethene	NA	NA	NA	2.00	6150.00000	0.2288	5.00	17415.0000	0.2599
Trichlorofluoromethane	NA	NA	NA	2.00	17940.0000	0.6675	5.00	41567.0000	0.6204
Vinyl Acetate	NA	NA	NA	NA	NA	NA	5.00	22855.0000	0.3411
cis-1,2-Dichloroethene	NA	NA	NA	2.00	5339.00000	0.1986	5.00	14492.0000	0.2163
cis-1,3-Dichloropropene	NA	NA	NA	2.00	8306.00000	0.3090	5.00	23813.0000	0.3554
m-,p-Xylene	1.00	8168.00000	0.6270	4.00	29428.0000	0.5419	10.0	81535.0000	0.5940
n-Butylbenzene	NA	NA	NA	2.00	35014.0000	2.203	5.00	96207.0000	2.403
n-Propylbenzene	NA	NA	NA	2.00	45498.0000	2.862	5.00	128668.000	3.214
o-Xylene	0.500	7615.00000	1.169	2.00	28907.0000	1.065	5.00	77533.0000	1.130
p-Isopropyltoluene	NA	NA	NA	2.00	33868.0000	2.130	5.00	95848.0000	2.394
sec-Butylbenzene	NA	NA	NA	2.00	41935.0000	2.638	5.00	115850.000	2.894
tert-Butylbenzene	NA	NA	NA	2.00	6482.00000	0.4077	5.00	18391.0000	0.4594
trans-1,2-Dichloroethene	NA	NA	NA	2.00	5698.00000	0.2120	5.00	13526.0000	0.2019
trans-1,3-Dichloropropene	NA	NA	NA	2.00	9700.00000	0.3573	5.00	27764.0000	0.4046

INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS11

Analytical Method: 8260B

Initial Calibration Date: 30-AUG-06 20:05

Column ID: F

00061350

Analyte	WG221175-05			WG221175-06			WG221175-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	10.0	36642.0000	0.2211	20.0	74007.0000	0.2641	50.0	211198.000	0.2707
Dibromochloromethane	10.0	45621.0000	0.3129	20.0	89056.0000	0.3104	50.0	256553.000	0.3481
Dibromomethane	10.0	27322.0000	0.1649	20.0	44081.0000	0.1573	50.0	132839.000	0.1703
Dichlorodifluoromethane	10.0	67702.0000	0.4085	20.0	135134.000	0.4822	50.0	351500.000	0.4505
Hexachlorobutadiene	10.0	46554.0000	0.5571	20.0	86999.0000	0.5129	50.0	243581.000	0.5566
Isopropylbenzene	10.0	222747.000	1.528	20.0	470299.000	1.639	50.0	1289447.00	1.750
Methylene Chloride	10.0	43956.0000	0.2652	20.0	80696.0000	0.2879	50.0	233995.000	0.2999
Naphthalene	10.0	189563.000	2.269	20.0	377058.000	2.223	50.0	1087854.00	2.486
Styrene	10.0	141062.000	0.9676	20.0	293526.000	1.023	50.0	811692.000	1.101
Tetrachloroethene	10.0	40247.0000	0.2761	20.0	72641.0000	0.2531	50.0	207514.000	0.2816
Trichloroethene	10.0	44416.0000	0.2680	20.0	71679.0000	0.2558	50.0	223606.000	0.2866
Trichlorofluoromethane	10.0	98911.0000	0.5969	20.0	193026.000	0.6888	50.0	519867.000	0.6663
Vinyl Acetate	10.0	66913.0000	0.4038	20.0	105459.000	0.3763	50.0	358203.000	0.4591
cis-1,2-Dichloroethene	10.0	39206.0000	0.2366	20.0	65847.0000	0.2350	50.0	203488.000	0.2608
cis-1,3-Dichloropropene	10.0	64123.0000	0.3869	20.0	115099.000	0.4107	50.0	366522.000	0.4698
m-,p-Xylene	20.0	185062.000	0.6347	40.0	368989.000	0.6429	100	981667.000	0.6660
n-Butylbenzene	10.0	220376.000	2.637	20.0	450588.000	2.657	50.0	1233658.00	2.819
n-Propylbenzene	10.0	297317.000	3.558	20.0	609558.000	3.594	50.0	1652426.00	3.776
o-Xylene	10.0	186743.000	1.281	20.0	386831.000	1.348	50.0	1049187.00	1.424
p-Isopropyltoluene	10.0	220659.000	2.641	20.0	460844.000	2.717	50.0	1253269.00	2.864
sec-Butylbenzene	10.0	269004.000	3.219	20.0	550692.000	3.247	50.0	1502333.00	3.433
tert-Butylbenzene	10.0	43411.0000	0.5195	20.0	86253.0000	0.5085	50.0	232969.000	0.5324
trans-1,2-Dichloroethene	10.0	39084.0000	0.2358	20.0	62444.0000	0.2228	50.0	178089.000	0.2283
trans-1,3-Dichloropropene	10.0	71422.0000	0.4899	20.0	133612.000	0.4656	50.0	399664.000	0.5423

INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS11

Analytical Method: 8260B

Initial Calibration Date: 30-AUG-06 20:05

Column ID: F

00061351

Analyte	WG221175-08			WG221175-09		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	100	406456.000	0.3261	200	1014481.00	0.2887
Dibromochloromethane	100	515146.000	0.3478	200	1177145.00	0.3615
Dibromomethane	100	217944.000	0.1749	200	596277.000	0.1697
Dichlorodifluoromethane	100	634635.000	0.5092	200	1488584.00	0.4235
Hexachlorobutadiene	100	519643.000	0.5507	200	1083414.00	0.5380
Isopropylbenzene	100	2528859.00	1.707	200	5317364.00	1.633
Methylene Chloride	100	432435.000	0.3470	200	1083631.00	0.3083
Naphthalene	100	2326008.00	2.465	200	4707565.00	2.338
Styrene	100	1630116.00	1.101	200	3444347.00	1.058
Tetrachloroethene	100	358896.000	0.2423	200	828564.000	0.2545
Trichloroethene	100	341574.000	0.2741	200	957962.000	0.2726
Trichlorofluoromethane	100	910673.000	0.7307	200	2175649.00	0.6190
Vinyl Acetate	100	594141.000	0.4768	200	1754085.00	0.4991
cis-1,2-Dichloroethene	100	331919.000	0.2663	200	987658.000	0.2810
cis-1,3-Dichloropropene	100	646382.000	0.5187	200	1734938.00	0.4936
m-,p-Xylene	200	1878681.00	0.6341	400	3886414.00	0.5968
n-Butylbenzene	100	2483810.00	2.632	200	5145471.00	2.555
n-Propylbenzene	100	3277127.00	3.473	200	6848341.00	3.401
o-Xylene	100	2053938.00	1.387	200	4345593.00	1.335
p-Isopropyltoluene	100	2509728.00	2.660	200	5188155.00	2.576
sec-Butylbenzene	100	3000820.00	3.180	200	6253554.00	3.105
tert-Butylbenzene	100	460536.000	0.4880	200	960983.000	0.4772
trans-1,2-Dichloroethene	100	251530.000	0.2018	200	801553.000	0.2281
trans-1,3-Dichloropropene	100	745400.000	0.5032	200	1789811.00	0.5497

ALTERNATE SOURCE CALIBRATION REPORT

00061352

Login Number: L0608643 Run Date: 08/24/2006 Sample ID: WG220547-12
 Instrument ID: HPMS10 Run Time: 13:23 Method: 8260B
 File ID: 10M48295 Analyst: MES
 ICal Workgroup: WG220547 Cal ID: HPMS10 - 23-AUG-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	20	21.6	0.489	7.9	ug/L	
1,1-Dichloroethene	CCC	20	20.7	0.255	3.5	ug/L	
1,2-Dichloropropane	CCC	20	22.3	0.258	11.3	ug/L	
Ethylbenzene	CCC	20	22.1	0.547	10.3	ug/L	
Toluene	CCC	20	21.1	1.51	5.7	ug/L	
Vinyl Chloride	CCC	20	19.8	0.139	1.2	ug/L	
Bromoform	SPCC	20	20.6	0.148	3.1	ug/L	
Chlorobenzene	SPCC	20	21.1	0.992	5.3	ug/L	
Chloromethane	SPCC	20	21.9	0.203	9.5	ug/L	
1,1-Dichloroethane	SPCC	20	21.4	0.504	7	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	20	20.6	0.400	3	ug/L	
Acetone		20	23.7	0.0427	18.5	ug/L	
Benzene		20	21.4	1.03	7.2	ug/L	
Bromobenzene		20	21.8	0.795	9.2	ug/L	
Bromochloromethane		20	20.8	0.131	3.8	ug/L	
Bromodichloromethane		20	23.5	0.333	17.6	ug/L	
Bromomethane		20	21.8	0.110	8.9	ug/L	
2-Butanone		20	25.2	0.0536	25.9	ug/L	*
n-Butylbenzene		20	21.5	2.24	7.6	ug/L	
sec-Butylbenzene		20	21.3	3.05	6.7	ug/L	
tert-Butylbenzene		20	21.5	0.546	7.5	ug/L	
Carbon Disulfide		20	20.0	0.758	0	ug/L	
Carbon Tetrachloride		20	20.6	0.423	3.1	ug/L	
Dibromochloromethane		20	20.3	0.286	1.6	ug/L	
Chloroethane		20	21.0	0.190	5	ug/L	
2-Chloroethyl Vinyl Ether		20	21.8	0.0960	9.2	ug/L	
2-Chlorotoluene		20	21.0	2.51	5.1	ug/L	
4-Chlorotoluene		20	21.2	2.23	5.9	ug/L	
1,2-Dibromo-3-Chloropropane		20	19.4	0.0673	3.2	ug/L	
1,2-Dibromoethane		20	22.8	0.230	13.8	ug/L	
Dibromomethane		20	21.9	0.124	9.3	ug/L	
1,2-Dichlorobenzene		20	21.0	1.30	4.9	ug/L	
1,3-Dichlorobenzene		20	20.9	1.50	4.4	ug/L	
1,4-Dichlorobenzene		20	20.6	1.51	3.2	ug/L	
Dichlorodifluoromethane		20	22.7	0.257	13.5	ug/L	
1,2-Dichloroethane		20	22.4	0.327	12.1	ug/L	
cis-1,2-Dichloroethene		20	21.7	0.296	8.4	ug/L	
trans-1,2-Dichloroethene		20	21.0	0.282	5.2	ug/L	
1,3-Dichloropropane		20	22.8	0.407	14	ug/L	
2,2-Dichloropropane		20	21.9	0.451	9.3	ug/L	
cis-1,3-Dichloropropene		20	23.0	0.391	14.8	ug/L	
trans-1,3-Dichloropropene		20	21.4	0.419	7	ug/L	

KEMRON FORMS - Modified 07/26/2006
 Version 1.5 PDF File ID: 560123
 Report generated 09/08/2006 08:28

ALTERNATE SOURCE CALIBRATION REPORT

00061353

Login Number: L0608643 Run Date: 08/24/2006 Sample ID: WG220547-12
 Instrument ID: HPMS10 Run Time: 13:23 Method: 8260B
 File ID: 10M48295 Analyst: MES
 ICal Workgroup: WG220547 Cal ID: HPMS10 - 23-AUG-06

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	20	21.4	0.383	7	ug/L	
2-Hexanone	20	21.0	0.0936	5	ug/L	
Hexachlorobutadiene	20	21.6	0.330	7.8	ug/L	
Isopropylbenzene	20	19.8	1.41	1.2	ug/L	
p-Isopropyltoluene	20	21.2	2.61	5.9	ug/L	
4-Methyl-2-Pentanone	20	22.1	0.0439	10.4	ug/L	
Methylene Chloride	20	20.8	0.257	4.2	ug/L	
Naphthalene	20	22.9	1.36	14.7	ug/L	
n-Propylbenzene	20	21.4	3.51	7.1	ug/L	
Styrene	20	20.0	1.02	0	ug/L	
1,1,1,2-Tetrachloroethane	20	22.7	0.358	13.7	ug/L	
Tetrachloroethene	20	21.4	0.329	7.2	ug/L	
1,2,3-Trichlorobenzene	20	21.5	0.689	7.5	ug/L	
1,2,4-Trichlorobenzene	20	21.5	0.877	7.5	ug/L	
1,1,1-Trichloroethane	20	22.7	0.464	13.7	ug/L	
1,1,2-Trichloroethane	20	22.6	0.226	13.1	ug/L	
Trichloroethene	20	22.5	0.313	12.6	ug/L	
Trichlorofluoromethane	20	18.6	0.469	7	ug/L	
1,2,3-Trichloropropane	20	21.1	0.136	5.4	ug/L	
1,2,4-Trimethylbenzene	20	21.6	2.65	8	ug/L	
1,3,5-Trimethylbenzene	20	22.1	2.56	10.5	ug/L	
Vinyl Acetate	20	21.0	0.231	4.9	ug/L	
o-Xylene	20	21.8	0.624	9.1	ug/L	
m-,p-Xylene	40	43.7	0.657	9.2	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

ALTERNATE SOURCE CALIBRATION REPORT

00061354

Login Number: L0608643 Run Date: 08/31/2006 Sample ID: WG221175-10
 Instrument ID: HPMS11 Run Time: 14:32 Method: 8260B
 File ID: 11M35987 Analyst: MES
 ICal Workgroup: WG221175 Cal ID: HPMS11 - 30-AUG-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	20	20.5	0.465	2.3	ug/kg	
1,1-Dichloroethene	CCC	20	22.4	0.270	12	ug/kg	
1,2-Dichloropropane	CCC	20	21.3	0.295	6.3	ug/kg	
Ethylbenzene	CCC	20	22.4	0.551	11.8	ug/kg	
Toluene	CCC	20	20.4	1.27	1.9	ug/kg	
Vinyl Chloride	CCC	20	18.2	0.254	9	ug/kg	
Bromoform	SPCC	20	19.5	0.242	2.3	ug/kg	
Chlorobenzene	SPCC	20	21.6	0.973	7.8	ug/kg	
Chloromethane	SPCC	20	19.1	0.429	4.3	ug/kg	
1,1-Dichloroethane	SPCC	20	20.0	0.507	.1	ug/kg	
1,1,2,2-Tetrachloroethane	SPCC	20	21.3	0.684	6.6	ug/kg	
Acetone		20	18.7	0.122	6.5	ug/kg	
Benzene		20	21.8	1.03	9	ug/kg	
Bromobenzene		20	22.2	0.737	11	ug/kg	
Bromochloromethane		20	21.9	0.190	9.5	ug/kg	
Bromodichloromethane		20	21.3	0.398	6.5	ug/kg	
Bromomethane		20	18.7	0.183	6.7	ug/kg	
2-Butanone		20	20.7	0.140	3.5	ug/kg	
n-Butylbenzene		20	23.1	2.96	15.5	ug/kg	
sec-Butylbenzene		20	22.6	3.51	13.1	ug/kg	
tert-Butylbenzene		20	22.8	0.553	14.1	ug/kg	
Carbon Disulfide		20	22.6	0.802	13.2	ug/kg	
Carbon Tetrachloride		20	21.4	0.409	7.2	ug/kg	
Dibromochloromethane		20	21.1	0.329	5.3	ug/kg	
Chloroethane		20	17.9	0.251	10.4	ug/kg	
2-Chloroethyl Vinyl Ether		20	18.4	0.133	7.9	ug/kg	
2-Chlorotoluene		20	22.5	2.50	12.3	ug/kg	
4-Chlorotoluene		20	21.6	2.24	7.8	ug/kg	
1,2-Dibromo-3-Chloropropane		20	20.6	0.162	2.8	ug/kg	
1,2-Dibromoethane		20	21.6	0.301	7.8	ug/kg	
Dibromomethane		20	20.5	0.166	2.6	ug/kg	
1,2-Dichlorobenzene		20	22.1	1.39	10.4	ug/kg	
1,3-Dichlorobenzene		20	21.6	1.48	8.1	ug/kg	
1,4-Dichlorobenzene		20	21.3	1.52	6.3	ug/kg	
Dichlorodifluoromethane		20	17.2	0.384	14	ug/kg	
1,2-Dichloroethane		20	20.1	0.460	.4	ug/kg	
cis-1,2-Dichloroethene		20	20.9	0.254	4.7	ug/kg	
trans-1,2-Dichloroethene		20	20.4	0.223	2.2	ug/kg	
1,3-Dichloropropane		20	21.5	0.488	7.4	ug/kg	
2,2-Dichloropropane		20	22.1	0.426	10.3	ug/kg	
cis-1,3-Dichloropropene		20	20.3	0.467	1.3	ug/kg	
trans-1,3-Dichloropropene		20	19.4	0.460	2.8	ug/kg	

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ALTERNATE SOURCE CALIBRATION REPORT

00061355

Login Number: L0608643 Run Date: 08/31/2006 Sample ID: WG221175-10
 Instrument ID: HPMS11 Run Time: 14:32 Method: 8260B
 File ID: 11M35987 Analyst: MES
 ICal Workgroup: WG221175 Cal ID: HPMS11 - 30-AUG-06

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	20	22.5	0.381	12.5	ug/kg	
2-Hexanone	20	18.6	0.236	7	ug/kg	
Hexachlorobutadiene	20	25.0	0.660	25.1	ug/kg	*
Isopropylbenzene	20	21.0	1.63	5.2	ug/kg	
p-Isopropyltoluene	20	22.3	2.87	11.6	ug/kg	
4-Methyl-2-Pentanone	20	19.1	0.110	4.7	ug/kg	
Methylene Chloride	20	19.8	0.299	1.1	ug/kg	
Naphthalene	20	23.2	2.59	16.2	ug/kg	
n-Propylbenzene	20	22.3	3.81	11.6	ug/kg	
Styrene	20	22.4	1.10	12	ug/kg	
1,1,1,2-Tetrachloroethane	20	22.0	0.358	10.1	ug/kg	
Tetrachloroethene	20	22.8	0.291	13.9	ug/kg	
1,2,3-Trichlorobenzene	20	23.0	1.03	15.1	ug/kg	
1,2,4-Trichlorobenzene	20	23.2	1.09	15.8	ug/kg	
1,1,1-Trichloroethane	20	21.3	0.457	6.7	ug/kg	
1,1,2-Trichloroethane	20	21.2	0.274	6.1	ug/kg	
Trichloroethene	20	21.9	0.288	9.3	ug/kg	
Trichlorofluoromethane	20	17.2	0.565	13.9	ug/kg	
1,2,3-Trichloropropane	20	20.9	0.238	4.3	ug/kg	
1,2,4-Trimethylbenzene	20	22.0	2.75	9.9	ug/kg	
1,3,5-Trimethylbenzene	20	23.1	2.71	15.7	ug/kg	
Vinyl Acetate	20	13.8	0.294	30.9	ug/kg	*
o-Xylene	20	23.0	1.45	14.8	ug/kg	
m-,p-Xylene	40	45.3	0.698	13.1	ug/kg	

* Exceeds %D Limit

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

CONTINUING CALIBRATION VERIFICATION (CCV)

00061356

Login Number: L0608643 Run Date: 08/30/2006 Sample ID: WG221163-02
 Instrument ID: HPMS10 Run Time: 11:23 Method: 8260B
 File ID: 10M48424 Analvst: MES
 Workgroup (AAB#): WG221164 Cal ID: HPMS10 - 23-AUG-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50.0	50.6	0.459	1.10	ug/L	
1,1-Dichloroethene	CCC	50.0	51.4	0.254	2.90	ug/L	
1,2-Dichloropropane	CCC	50.0	50.8	0.235	1.50	ug/L	
Ethylbenzene	CCC	50.0	50.6	0.502	1.20	ug/L	
Toluene	CCC	50.0	49.7	1.42	0.600	ug/L	
Vinyl Chloride	CCC	50.0	52.6	0.148	5.20	ug/L	
Bromoform	SPCC	50.0	48.4	0.139	3.30	ug/L	
Chlorobenzene	SPCC	50.0	49.2	0.927	1.70	ug/L	
Chloromethane	SPCC	50.0	56.3	0.208	12.6	ug/L	
1,1-Dichloroethane	SPCC	50.0	51.0	0.480	2.00	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50.0	45.8	0.355	8.40	ug/L	
Acetone		50.0	46.9	0.0338	6.10	ug/L	
Benzene		50.0	50.2	0.965	0.300	ug/L	
Bromobenzene		50.0	50.2	0.731	0.400	ug/L	
Bromochloromethane		50.0	48.0	0.120	3.90	ug/L	
Bromodichloromethane		50.0	52.9	0.299	5.70	ug/L	
Bromomethane		50.0	51.4	0.104	2.80	ug/L	
2-Butanone		50.0	50.9	0.0434	1.80	ug/L	
n-Butylbenzene		50.0	55.9	2.33	11.8	ug/L	
sec-Butylbenzene		50.0	54.3	3.10	8.60	ug/L	
tert-Butylbenzene		50.0	54.3	0.551	8.50	ug/L	
Carbon Disulfide		50.0	48.3	0.732	3.50	ug/L	
Carbon Tetrachloride		50.0	49.4	0.404	1.20	ug/L	
Dibromochloromethane		50.0	47.1	0.268	5.80	ug/L	
Chloroethane		50.0	55.1	0.199	10.1	ug/L	
2-Chloroethyl Vinyl Ether		50.0	54.9	0.0965	9.70	ug/L	
2-Chlorotoluene		50.0	51.3	2.45	2.50	ug/L	
4-Chlorotoluene		50.0	49.2	2.07	1.50	ug/L	
1,2-Dibromo-3-Chloropropane		50.0	44.3	0.0636	11.4	ug/L	
1,2-Dibromoethane		50.0	51.1	0.207	2.20	ug/L	
Dibromomethane		50.0	50.1	0.113	0.200	ug/L	
1,2-Dichlorobenzene		50.0	48.1	1.19	3.70	ug/L	
1,3-Dichlorobenzene		50.0	49.4	1.42	1.20	ug/L	
1,4-Dichlorobenzene		50.0	48.2	1.41	3.60	ug/L	
Dichlorodifluoromethane		50.0	75.2	0.341	50.5	ug/L	*
1,2-Dichloroethane		50.0	49.4	0.288	1.20	ug/L	
cis-1,2-Dichloroethene		50.0	51.8	0.283	3.60	ug/L	
trans-1,2-Dichloroethene		50.0	52.4	0.281	4.90	ug/L	
1,3-Dichloropropane		50.0	49.8	0.355	0.500	ug/L	
2,2-Dichloropropane		50.0	52.5	0.433	5.00	ug/L	
cis-1,3-Dichloropropene		50.0	53.0	0.361	6.00	ug/L	
trans-1,3-Dichloropropene		50.0	52.4	0.410	4.70	ug/L	

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CONTINUING CALIBRATION VERIFICATION (CCV)

00061357

Login Number: L0608643 Run Date: 08/30/2006 Sample ID: WG221163-02
 Instrument ID: HPMS10 Run Time: 11:23 Method: 8260B
 File ID: 10M48424 Analyst: MES
 Workgroup (AAB#): WG221164 Cal ID: HPMS10 - 23-AUG-06

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50.0	50.0	0.358	0	ug/L	
2-Hexanone	50.0	49.8	0.0887	0.500	ug/L	
Hexachlorobutadiene	50.0	57.6	0.353	15.3	ug/L	
Isopropylbenzene	50.0	51.3	1.47	2.60	ug/L	
p-Isopropyltoluene	50.0	55.0	2.71	10.0	ug/L	
4-Methyl-2-Pentanone	50.0	49.7	0.0395	0.700	ug/L	
Methylene Chloride	50.0	50.3	0.248	0.700	ug/L	
Naphthalene	50.0	47.2	1.12	5.50	ug/L	
n-Propylbenzene	50.0	53.1	3.48	6.10	ug/L	
Styrene	50.0	47.3	0.962	5.40	ug/L	
1,1,1,2-Tetrachloroethane	50.0	51.5	0.324	2.90	ug/L	
Tetrachloroethene	50.0	51.0	0.313	2.00	ug/L	
1,2,3-Trichlorobenzene	50.0	46.6	0.597	6.90	ug/L	
1,2,4-Trichlorobenzene	50.0	49.5	0.808	0.900	ug/L	
1,1,1-Trichloroethane	50.0	53.2	0.434	6.30	ug/L	
1,1,2-Trichloroethane	50.0	50.2	0.201	0.300	ug/L	
Trichloroethene	50.0	51.9	0.289	3.70	ug/L	
Trichlorofluoromethane	50.0	54.2	0.539	8.30	ug/L	
1,2,3-Trichloropropane	50.0	45.4	0.117	9.30	ug/L	
1,2,4-Trimethylbenzene	50.0	52.4	2.57	4.80	ug/L	
1,3,5-Trimethylbenzene	50.0	53.4	2.47	6.80	ug/L	
Vinyl Acetate	50.0	39.2	0.173	21.6	ug/L	
o-Xylene	50.0	51.2	0.586	2.40	ug/L	
m-, p-Xylene	100	100	0.604	0.400	ug/L	
Xylenes	150	152	0.595	1.10	ug/L	

* Exceeds %D Criteria

CCC Calibration Check Compounds
 SPCC System Performance Check Compounds

CONTINUING CALIBRATION VERIFICATION (CCV)

00061358

Login Number: L0608643 Run Date: 08/31/2006 Sample ID: WG221253-02
 Instrument ID: HPMS11 Run Time: 13:32 Method: 8260B
 File ID: 11M35985 Analvst: MES
 Workgroup (AAB#): WG221254 Cal ID: HPMS11 - 30-AUG-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50.0	49.4	0.449	1.10	ug/kg	
1,1-Dichloroethene	CCC	50.0	55.2	0.266	10.4	ug/kg	
1,2-Dichloropropane	CCC	50.0	54.4	0.302	8.90	ug/kg	
Ethylbenzene	CCC	50.0	54.4	0.536	8.70	ug/kg	
Toluene	CCC	50.0	52.0	1.30	4.10	ug/kg	
Vinyl Chloride	CCC	50.0	47.9	0.268	4.20	ug/kg	
Bromoform	SPCC	50.0	55.8	0.277	11.6	ug/kg	
Chlorobenzene	SPCC	50.0	52.1	0.942	4.20	ug/kg	
Chloromethane	SPCC	50.0	48.5	0.435	2.90	ug/kg	
1,1-Dichloroethane	SPCC	50.0	50.4	0.512	0.900	ug/kg	
1,1,2,2-Tetrachloroethane	SPCC	50.0	56.9	0.730	13.8	ug/kg	
Acetone		50.0	49.0	0.128	2.00	ug/kg	
Benzene		50.0	54.4	1.03	8.70	ug/kg	
Bromobenzene		50.0	53.9	0.716	7.80	ug/kg	
Bromochloromethane		50.0	52.6	0.183	5.20	ug/kg	
Bromodichloromethane		50.0	53.7	0.402	7.40	ug/kg	
Bromomethane		50.0	49.0	0.213	2.00	ug/kg	
2-Butanone		50.0	50.3	0.159	0.600	ug/kg	
n-Butylbenzene		50.0	54.8	2.81	9.70	ug/kg	
sec-Butylbenzene		50.0	55.2	3.43	10.4	ug/kg	
tert-Butylbenzene		50.0	55.8	0.541	11.7	ug/kg	
Carbon Disulfide		50.0	53.7	0.760	7.40	ug/kg	
Carbon Tetrachloride		50.0	52.7	0.402	5.50	ug/kg	
Dibromochloromethane		50.0	56.6	0.353	13.1	ug/kg	
Chloroethane		50.0	47.3	0.275	5.40	ug/kg	
2-Chloroethyl Vinyl Ether		50.0	50.5	0.165	1.10	ug/kg	
2-Chlorotoluene		50.0	52.1	2.31	4.10	ug/kg	
4-Chlorotoluene		50.0	54.5	2.27	8.90	ug/kg	
1,2-Dibromo-3-Chloropropane		50.0	61.3	0.193	22.5	ug/kg	
1,2-Dibromoethane		50.0	56.1	0.313	12.3	ug/kg	
Dibromomethane		50.0	52.6	0.170	5.30	ug/kg	
1,2-Dichlorobenzene		50.0	54.1	1.36	8.10	ug/kg	
1,3-Dichlorobenzene		50.0	52.5	1.44	5.10	ug/kg	
1,4-Dichlorobenzene		50.0	51.1	1.46	2.20	ug/kg	
Dichlorodifluoromethane		50.0	50.6	0.452	1.10	ug/kg	
1,2-Dichloroethane		50.0	49.5	0.454	1.00	ug/kg	
cis-1,2-Dichloroethene		50.0	51.5	0.250	3.10	ug/kg	
trans-1,2-Dichloroethene		50.0	50.2	0.220	0.500	ug/kg	
1,3-Dichloropropane		50.0	55.3	0.503	10.6	ug/kg	
2,2-Dichloropropane		50.0	54.3	0.420	8.60	ug/kg	
cis-1,3-Dichloropropene		50.0	50.3	0.488	0.500	ug/kg	
trans-1,3-Dichloropropene		50.0	57.7	0.546	15.4	ug/kg	

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CONTINUING CALIBRATION VERIFICATION (CCV)

00061359

Login Number: L0608643 Run Date: 08/31/2006 Sample ID: WG221253-02
 Instrument ID: HPMS11 Run Time: 13:32 Method: 8260B
 File ID: 11M35985 Analyst: MES
 Workgroup (AAB#): WG221254 Cal ID: HPMS11 - 30-AUG-06

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50.0	55.6	0.377	11.2	ug/kg	
2-Hexanone	50.0	56.8	0.326	13.7	ug/kg	
Hexachlorobutadiene	50.0	55.6	0.586	11.2	ug/kg	
Isopropylbenzene	50.0	55.6	1.72	11.1	ug/kg	
p-Isopropyltoluene	50.0	55.9	2.87	11.8	ug/kg	
4-Methyl-2-Pentanone	50.0	51.6	0.136	3.20	ug/kg	
Methylene Chloride	50.0	49.7	0.300	0.700	ug/kg	
Naphthalene	50.0	60.7	2.71	21.5	ug/kg	
n-Propylbenzene	50.0	55.3	3.77	10.5	ug/kg	
Styrene	50.0	56.0	1.10	12.0	ug/kg	
1,1,1,2-Tetrachloroethane	50.0	53.7	0.350	7.40	ug/kg	
Tetrachloroethene	50.0	56.4	0.288	12.8	ug/kg	
1,2,3-Trichlorobenzene	50.0	55.8	1.00	11.6	ug/kg	
1,2,4-Trichlorobenzene	50.0	54.8	1.03	9.70	ug/kg	
1,1,1-Trichloroethane	50.0	52.3	0.448	4.60	ug/kg	
1,1,2-Trichloroethane	50.0	55.3	0.286	10.7	ug/kg	
Trichloroethene	50.0	54.6	0.288	9.20	ug/kg	
Trichlorofluoromethane	50.0	48.8	0.640	2.40	ug/kg	
1,2,3-Trichloropropane	50.0	55.7	0.255	11.4	ug/kg	
1,2,4-Trimethylbenzene	50.0	53.9	2.70	7.70	ug/kg	
1,3,5-Trimethylbenzene	50.0	55.5	2.60	10.9	ug/kg	
Vinyl Acetate	50.0	56.6	0.482	13.1	ug/kg	
o-Xylene	50.0	55.4	1.40	10.7	ug/kg	
m-, p-Xylene	100	107	0.661	7.10	ug/kg	
Xylenes	150	162	1.03	8.30	ug/kg	

* Exceeds %D Criteria

CCC Calibration Check Compounds
 SPCC System Performance Check Compounds

CONTINUING CALIBRATION VERIFICATION (CCV)

00061360

Login Number: L0608643 Run Date: 09/01/2006 Sample ID: WG221360-02
 Instrument ID: HPMS11 Run Time: 13:16 Method: 8260B
 File ID: 11M36013 Analvst: MES
 Workgroup (AAB#): WG221361 Cal ID: HPMS11 - 30-AUG-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50.0	47.9	0.435	4.30	ug/kg	
1,1-Dichloroethene	CCC	50.0	59.5	0.287	19.0	ug/kg	
1,2-Dichloropropane	CCC	50.0	53.2	0.295	6.30	ug/kg	
Ethylbenzene	CCC	50.0	54.0	0.532	8.00	ug/kg	
Toluene	CCC	50.0	46.4	1.16	7.10	ug/kg	
Vinyl Chloride	CCC	50.0	54.4	0.304	8.90	ug/kg	
Bromoform	SPCC	50.0	57.6	0.285	15.1	ug/kg	
Chlorobenzene	SPCC	50.0	53.0	0.957	6.00	ug/kg	
Chloromethane	SPCC	50.0	54.6	0.489	9.30	ug/kg	
1,1-Dichloroethane	SPCC	50.0	49.7	0.505	0.600	ug/kg	
1,1,2,2-Tetrachloroethane	SPCC	50.0	54.6	0.700	9.20	ug/kg	
Acetone		50.0	53.2	0.139	6.30	ug/kg	
Benzene		50.0	53.5	1.01	7.00	ug/kg	
Bromobenzene		50.0	54.0	0.717	8.00	ug/kg	
Bromochloromethane		50.0	57.9	0.201	15.7	ug/kg	
Bromodichloromethane		50.0	54.3	0.406	8.60	ug/kg	
Bromomethane		50.0	49.7	0.216	0.500	ug/kg	
2-Butanone		50.0	49.9	0.157	0.200	ug/kg	
n-Butylbenzene		50.0	56.5	2.89	12.9	ug/kg	
sec-Butylbenzene		50.0	56.2	3.49	12.4	ug/kg	
tert-Butylbenzene		50.0	55.3	0.536	10.6	ug/kg	
Carbon Disulfide		50.0	59.0	0.835	18.0	ug/kg	
Carbon Tetrachloride		50.0	50.1	0.382	0.200	ug/kg	
Dibromochloromethane		50.0	54.2	0.338	8.40	ug/kg	
Chloroethane		50.0	53.0	0.308	5.90	ug/kg	
2-Chloroethyl Vinyl Ether		50.0	51.7	0.169	3.30	ug/kg	
2-Chlorotoluene		50.0	54.1	2.40	8.20	ug/kg	
4-Chlorotoluene		50.0	55.0	2.29	9.90	ug/kg	
1,2-Dibromo-3-Chloropropane		50.0	58.5	0.184	17.0	ug/kg	
1,2-Dibromoethane		50.0	52.2	0.291	4.30	ug/kg	
Dibromomethane		50.0	51.7	0.167	3.40	ug/kg	
1,2-Dichlorobenzene		50.0	54.4	1.37	8.90	ug/kg	
1,3-Dichlorobenzene		50.0	53.0	1.45	6.10	ug/kg	
1,4-Dichlorobenzene		50.0	51.9	1.49	3.80	ug/kg	
Dichlorodifluoromethane		50.0	55.8	0.498	11.6	ug/kg	
1,2-Dichloroethane		50.0	48.8	0.447	2.50	ug/kg	
cis-1,2-Dichloroethene		50.0	51.4	0.249	2.80	ug/kg	
trans-1,2-Dichloroethene		50.0	49.4	0.216	1.20	ug/kg	
1,3-Dichloropropane		50.0	49.6	0.451	0.800	ug/kg	
2,2-Dichloropropane		50.0	52.5	0.406	4.90	ug/kg	
cis-1,3-Dichloropropene		50.0	50.7	0.493	1.40	ug/kg	
trans-1,3-Dichloropropene		50.0	50.9	0.482	1.80	ug/kg	

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CONTINUING CALIBRATION VERIFICATION (CCV)

00061361

Login Number: L0608643 Run Date: 09/01/2006 Sample ID: WG221360-02
 Instrument ID: HPMS11 Run Time: 13:16 Method: 8260B
 File ID: 11M36013 Analyst: MES
 Workgroup (AAB#): WG221361 Cal ID: HPMS11 - 30-AUG-06

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50.0	54.1	0.367	8.20	ug/kg	
2-Hexanone	50.0	50.6	0.287	1.10	ug/kg	
Hexachlorobutadiene	50.0	56.4	0.595	12.9	ug/kg	
Isopropylbenzene	50.0	59.6	1.85	19.3	ug/kg	
p-Isopropyltoluene	50.0	56.8	2.92	13.6	ug/kg	
4-Methyl-2-Pentanone	50.0	53.5	0.142	7.00	ug/kg	
Methylene Chloride	50.0	57.3	0.347	14.7	ug/kg	
Naphthalene	50.0	60.5	2.70	20.9	ug/kg	
n-Propylbenzene	50.0	55.9	3.81	11.8	ug/kg	
Styrene	50.0	59.5	1.17	19.1	ug/kg	
1,1,1,2-Tetrachloroethane	50.0	53.5	0.348	7.00	ug/kg	
Tetrachloroethene	50.0	50.8	0.259	1.70	ug/kg	
1,2,3-Trichlorobenzene	50.0	56.4	1.01	12.8	ug/kg	
1,2,4-Trichlorobenzene	50.0	56.5	1.06	13.1	ug/kg	
1,1,1-Trichloroethane	50.0	50.6	0.433	1.20	ug/kg	
1,1,2-Trichloroethane	50.0	50.0	0.258	0.100	ug/kg	
Trichloroethene	50.0	53.5	0.282	7.00	ug/kg	
Trichlorofluoromethane	50.0	54.3	0.712	8.60	ug/kg	
1,2,3-Trichloropropane	50.0	52.9	0.242	5.70	ug/kg	
1,2,4-Trimethylbenzene	50.0	54.6	2.73	9.20	ug/kg	
1,3,5-Trimethylbenzene	50.0	56.7	2.66	13.3	ug/kg	
Vinyl Acetate	50.0	48.5	0.413	3.00	ug/kg	
o-Xylene	50.0	58.8	1.49	17.6	ug/kg	
m-, p-Xylene	100	112	0.692	12.1	ug/kg	
Xylenes	150	171	1.09	13.9	ug/kg	

* Exceeds %D Criteria

CCC Calibration Check Compounds
 SPCC System Performance Check Compounds

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061362

Login Number: L0608643
Instrument ID: HPMS10
Workgroup (AAB#): WG221164

CCV Number: WG221163-02
CAL ID: HPMS10 - 23-AUG-06
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG221163-02	NA	NA	282134	570818	800812
Upper Limit	NA	NA	564268	1141636	1601624
Lower Limit	NA	NA	141067	285409	400406
L0608643-08	1.00	01	235576	480090	659933
WG221164-01	1.00	01	268165	532650	727852
WG221164-02	1.00	01	267030	523091	714942

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061363

Login Number: L0608643
Instrument ID: HPMS11
Workgroup (AAB#): WG221254

CCV Number: WG221253-02
CAL ID: HPMS11 - 30-AUG-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG221253-02	NA	NA	530430	906564	944167
Upper Limit	NA	NA	1060860	1813128	1888334
Lower Limit	NA	NA	265215	453282	472084
L0608643-01	1.00	01	466504	834608	868747
L0608643-07	1.00	01	456269	829145	892224
L0608643-09	1.00	01	483733	776619	675191
L0608643-10	1.00	01	499815	852800	877745
WG221254-01	1.00	01	477485	781764	693173
WG221254-02	1.00	01	483634	830954	867374

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061364

Login Number: L0608643
Instrument ID: HPMS11
Workgroup (AAB#): WG221361

CCV Number: WG221360-02
CAL ID: HPMS11 - 30-AUG-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG221360-02	NA	NA	484332	772715	645518
Upper Limit	NA	NA	968664	1545430	1291036
Lower Limit	NA	NA	242166	386358	322759
L0608643-02	1.00	01	363916	741163	863573
L0608643-03	1.00	01	403690	740740	819086
L0608643-04	1.00	01	437022	757851	813254
L0608643-05	1.00	01	415746	701918	616836
L0608643-06	1.00	01	432893	739326	771522
WG221361-01	1.00	01	443309	798618	870795
WG221361-02	1.00	01	475639	799537	760263

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061365

Login Number: L0608643
Instrument ID: HPMS10
Workgroup (AAB#): WG221164

CCV Number: WG221163-02
CAL ID: HPMS10 - 23-AUG-06
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG221163-02	NA	NA	15.52	12.55	8.71
Upper Limit	NA	NA	16.02	13.05	9.21
Lower Limit	NA	NA	15.02	12.05	8.21
L0608643-08	1.00	01	15.52	12.55	8.71
WG221164-01	1.00	01	15.52	12.55	8.71
WG221164-02	1.00	01	15.52	12.55	8.71

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061366

Login Number: L0608643
Instrument ID: HPMS11
Workgroup (AAB#): WG221254

CCV Number: WG221253-02
CAL ID: HPMS11 - 30-AUG-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG221253-02	NA	NA	16.44	13.64	10.02
Upper Limit	NA	NA	16.94	14.14	10.52
Lower Limit	NA	NA	15.94	13.14	9.52
L0608643-01	1.00	01	16.443	13.639	10.019
L0608643-07	1.00	01	16.444	13.645	10.019
L0608643-09	1.00	01	16.443	13.639	10.019
L0608643-10	1.00	01	16.443	13.639	10.019
WG221254-01	1.00	01	16.444	13.639	10.019
WG221254-02	1.00	01	16.437	13.639	10.019

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061367

Login Number: L0608643
Instrument ID: HPMS11
Workgroup (AAB#): WG221361

CCV Number: WG221360-02
CAL ID: HPMS11 - 30-AUG-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG221360-02	NA	NA	16.44	13.64	10.02
Upper Limit	NA	NA	16.94	14.14	10.52
Lower Limit	NA	NA	15.94	13.14	9.52
L0608643-02	1.00	01	16.444	13.639	10.019
L0608643-03	1.00	01	16.443	13.645	10.019
L0608643-04	1.00	01	16.443	13.639	10.019
L0608643-05	1.00	01	16.443	13.639	10.019
L0608643-06	1.00	01	16.444	13.639	10.019
WG221361-01	1.00	01	16.444	13.639	10.019
WG221361-02	1.00	01	16.443	13.639	10.019

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

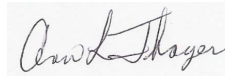
KEMRON Environmental Services Data Checklist

00061368

Date: 05-SEP-2006
 Analyst: ALT
 Analyst: NA
 Method: 8270
 Instrument: HPMS5
 Curve Workgroup: NA
 Runlog ID: 12093
 Analytical Workgroups: L0608688, L0609006, L0608602RE, L0608630RE, L0608702, L0607711

System Performance Check:	
DFTPP	X
Endrin/DDT Breakdown	X
Initial Calibration:	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards:	NA
Project/Client Specific Requirements	NA
Special Standards	NA
Blanks:	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample):	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	NA
Samples:	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	X
Reruns	NA
Manual Integrations	X
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	ALT
Secondary Reviewer	MDC
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X
Comments:	
L0608688-01 sent for re-extract	

Primary Reviewer:
07-SEP-2006



Secondary Reviewer:
07-SEP-2006



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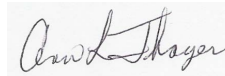
KEMRON Environmental Services
Data Checklist

00061369

Date: 07-SEP-2006
 Analyst: ALT
 Analyst: NA
 Method: 8270
 Instrument: HPMS5
 Curve Workgroup: NA
 Runlog ID: 12145
 Analytical Workgroups: L0608551RE, L0608643, L0609027, L0609035DL, L0609065

System Performance Check:	
DFTPP	X
Endrin/DDT Breakdown	X
Initial Calibration:	NA
Average RF	NA
Linear Reg or Higher Order Curve	NA
Second Source standard % Difference	NA
Continuing Calibration /Check Standards:	X
Project/Client Specific Requirements	X
Special Standards	X
Blanks:	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample):	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples:	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	X
Calculations & Correct Factors	NA
Dilutions Run	X
Reruns	NA
Manual Integrations	X
Case Narrative	NA
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	ALT
Secondary Reviewer	MDC
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	NA
Check the reasonableness of the results	X
Comments:	
L0609065 sent for re - extraction, needs rerun at a lesser dilution - PRELIM ONLY	

Primary Reviewer:
08-SEP-2006



Secondary Reviewer:
08-SEP-2006



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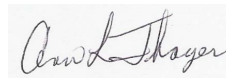
KEMRON Environmental Services Data Checklist

00061370

Date: 08-SEP-2006
 Analyst: ALT
 Analyst: NA
 Method: 8270
 Instrument: HPMS5
 Curve Workgroup: NA
 Runlog ID: 12174
 Analytical Workgroups: L0608643, L0608644, L0608688RE, L0608709, L0608714, L0608716, L0609044

System Performance Check:	
DFTPP	X
Endrin/DDT Breakdown	X
Initial Calibration:	X
Average RF	NA
Linear Reg or Higher Order Curve	NA
Second Source standard % Difference	NA
Continuing Calibration /Check Standards:	X
Project/Client Specific Requirements	X
Special Standards	X
Blanks:	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample):	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples:	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	NA
Dilutions Run	X
Reruns	NA
Manual Integrations	X
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	ALT
Secondary Reviewer	MDC
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X
Comments:	

Primary Reviewer:
11-SEP-2006



Secondary Reviewer:
11-SEP-2006



Generated: SEP-11-2006 14:22:48

KEMRON Environmental Services

Instrument Run Log

00061371

Instrument: HPMS5 Dataset: 090506
 Analyst1: ALT Analyst2: NA
 Method: 8270C SOP: MSS01 Rev: 14
 Method: 625 SOP: MSS02 Rev: 8

Maintenance Log ID: 15505

Column 1 ID: DB-5MS

Column 2 ID: NA

Workgroups: WG221591, WG221592

Internal STD: STD13351 Surrogate STD: NA Calibration STD

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	5M42068	WG221438-01 50PPM DFTPP STD	1	1	SOS78-44	09/05/06 08:28
2	5M42069	WG221438-02 50PPM BNA STD	1	1	STD12520	09/05/06 08:48
3	5M42070	WG221438-03 3PPM BNA STD	1	1	STD12520	09/05/06 09:21
4	5M42071	WG221438-04 15PPM BNA STD	1	1	STD12520	09/05/06 09:55
5	5M42072	WG221438-05 25PPM BNA STD	1	1	STD12520	09/05/06 10:28
6	5M42073	WG221438-06 80PPM BNA STD	1	1	STD12520	09/05/06 11:02
7	5M42074	WG221438-07 100PPM BNA STD	1	1	STD12520	09/05/06 11:35
8	5M42075	WG221438-08 120PPM BNA STD	1	1	STD12520	09/05/06 12:08
9	5M42076	WG221438-09 50PPM Alt Source BNA STD	1	1	STD14454	09/05/06 12:42
10	5M42077	50PPM TCL STD	1	1	STD12739	09/05/06 13:15
11	5M42078	WG221349-01 BLK 9/1 EP267P119	7	1	SOIL	09/05/06 13:48
12	5M42079	WG221349-02 LCS 9/1 EP267P119	7	1	SOIL	09/05/06 14:21
13	5M42080	WG221349-03 LCSDUP 9/1 EP267P119	7	1	SOIL	09/05/06 14:54
14	5M42081	LCS TEST 9/1 EP267P119	7	1	SOIL	09/05/06 15:27
15	5M42082	WG221305-01 BLK 9/1 EP266P61	1	1		09/05/06 16:01
16	5M42083	WG221305-02 LCS 9/1 EP266P61	1	1		09/05/06 16:33
17	5M42084	WG221305-03 LCSDUP 9/1 EP266P61	1	1		09/05/06 17:07
18	5M42085	L0608688-01	1	1		09/05/06 17:40
19	5M42086	L0609006-01	1	1		09/05/06 18:14
20	5M42087	L0609006-02	1	1		09/05/06 18:47
21	5M42088	L0608602-01 20X SOIL RE	7	20		09/05/06 19:19
22	5M42089	L0608630-05 50X SOIL RE	10	50		09/05/06 19:53
23	5M42090	BAKE OUT	1	1		09/05/06 20:26
24	5M42091	BAKE OUT	1	1		09/05/06 20:59
25	5M42092	BAKE OUT	1	1		09/05/06 21:33
26	5M42093	L0608702-01	2	1		09/05/06 22:07
27	5M42094	L0608711-01	2	1		09/05/06 22:40
28	5M42095	BAKE OUT	1	1		09/05/06 23:14

Comments

Seq.	Rerun	Dil.	Reason	Analytes
13				
			WG221349-03 LCSDUP - pentachlorophenol > UCL - DoD criteria only	
15				
			WG221305-01 BLK - 2-fluorobiphenyl low - DoD criteria only	

Page: 1 of 2

Approved: 07-SEP-06



KEMRON Environmental Services

Instrument Run Log

00061372

Instrument: HPMS5 Dataset: 090506
 Analyst1: ALT Analyst2: NA
 Method: 8270C SOP: MSS01 Rev: 14
 Method: 625 SOP: MSS02 Rev: 8

Maintenance Log ID: 15505

Column 1 ID: DB-5MS Column 2 ID: NA
 Workgroups: WG221591, WG221592
 Internal STD: STD13351 Surrogate STD: NA

Comments

Seq.	Rerun	Dil.	Reason	Analytes
17				
			WG221305-03 LCSDUP - 9 compounds and 2-fluorobiphenyl low, pentachlorophenol > UCL - DoD criteria only	
18				
			Re-extract: L0608688-01 - due to low failures in LCSDUP	
21				
			L0608602-01 20X SOIL RE - diluted due to extract viscosity - SS DL	
22				
			L0608630-05 50X SOIL RE - EFV = 4ml, SS DL; diluted due to extract viscosity	
26				
			L0608702-01 - SS1 low and SS 2 < 10% - SMI	



KEMRON Environmental Services

Instrument Run Log

00061373

Instrument: HPMS5 Dataset: 090706
 Analyst1: ALT Analyst2: NA
 Method: 8270C SOP: MSS01 Rev: 14
 Method: 625 SOP: MSS02 Rev: 8

Maintenance Log ID: 15534

Column 1 ID: DB-5MS Column 2 ID: NA
 Workgroups: WG221704, WG221708, WG221796, WG221798
 Internal STD: STD13351 Surrogate STD: NA Calibration STD:

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	5M42121	WG221739-01 50PPM DFTPP STD	1	1	SOS78-44	09/07/06 14:16
2	5M42122	WG221739-02 50PPM BNA STD	1	1	STD12520	09/07/06 14:34
3	5M42123	50PPM TCL STD	1	1	STD12739	09/07/06 15:08
4	5M42124	WG221489-02 BLK 9/5 EP266P71	1	1		09/07/06 15:40
5	5M42125	WG221489-03 LCS 9/5 EP266P71	1	1		09/07/06 16:13
6	5M42126	WG221298-03 BLK 9/1 EP267P113	7	1	SOIL	09/07/06 16:46
7	5M42127	WG221298-04 LCS 9/1 EP267P113	7	1	SOIL	09/07/06 17:20
8	5M42128	L0609027-03	1	1		09/07/06 17:53
9	5M42129	L0609027-01	1	1		09/07/06 18:26
10	5M42130	L0608643-04 SOIL	7	1	SOIL	09/07/06 18:59
11	5M42131	L0608643-06 SOIL	7	1	SOIL	09/07/06 19:31
12	5M42132	L0609027-02 2X	1	2		09/07/06 20:04
13	5M42133	L0609065-01 5X	1	5		09/07/06 20:37
14	5M42134	L0608551-03 RE SOIL	7	1		09/07/06 21:10
15	5M42135	WG221298-01 L0608643-01 SOIL	7	1	SOIL	09/07/06 21:43
16	5M42136	WG221298-05 L0608643-09 MS SOIL	7	1	SOIL	09/07/06 22:16
17	5M42137	WG221298-06 L0608643-10 MSD SOIL	7	1	SOIL	09/07/06 22:49
18	5M42138	L0608643-03 SOIL	7	1	SOIL	09/07/06 23:23
19	5M42139	L0608643-07 SOIL	7	1	SOIL	09/07/06 23:56
20	5M42140	L0608643-05 5X SOIL	7	5	SOIL	09/08/06 00:30
21	5M42141	L0609035-01 20X WASTE	11	20	SOIL	09/08/06 01:03
22	5M42142	L0608551-01 10X RE SOIL	7	10		09/08/06 01:36
23	5M42143	L0608551-02 10X RE SOIL	7	10		09/08/06 02:09
24	5M42144	BAKE OUT	1	1		09/08/06 02:42
25	5M42145	BAKE OUT	1	1		09/08/06 03:16
26	5M42146	BAKE OUT	1	1		09/08/06 03:49

Comments

Seq.	Rerun	Dil.	Reason	Analytes
2				
			WG221739-02 50PPM BNA STD - 2,4-dinitrophenol > 20% biased low, 2-nitroaniline > 20% biased high; benzoic acid > 40% biased low - Day one	
4				
			WG221489-02 BLK - SS 6 high, AFCEE criteria only	
8				
			L0609027-03 - SS 6 high	

Page: 1 of 2

Approved: 08-SEP-06



KEMRON Environmental Services

Instrument Run Log

00061374

Instrument: HPMS5	Dataset: 090706	
Analyst1: ALT	Analyst2: NA	
Method: 8270C	SOP: MSS01	Rev: 14
Method: 625	SOP: MSS02	Rev: 8

Maintenance Log ID: 15534

Column 1 ID: DB-5MS

Column 2 ID: NA

Workgroups: WG221704, WG221708, WG221796, WG221798

Internal STD: STD13351 Surrogate STD: NA

Comments

Seq.	Rerun	Dil.	Reason	Analytes
12				
			L0609027-02 2X - SS 2 high	
13	X	1	Analyzed too dilute	
			Re-extract: L0609065-01 5X - SS 1,2 and 5 low; pre-lim only - CCV does not pass for AFCEE, rerun sample and QC behind CCV that passes for AFCEE.	
16				
			WG221298-05 L0608643-09 MS SOIL - 2,4-dimethylphenol, 3,3'dichlorobenzidine and n-nitrosodiphenylamine < LCL	
17				
			WG221298-06 L0608643-10 MSD SOIL - 3,3'dichlorobenzidine and n-nitrosodiphenylamine < LCL	
22				
			L0608551-01 10X RE SOIL - diluted due to extract viscosity	
23				
			L0608551-02 10X RE SOIL - diluted due to extract viscosity	



KEMRON Environmental Services

Instrument Run Log

00061375

Instrument: HPMS5 Dataset: 090806
 Analyst1: ALT Analyst2: NA
 Method: 8270C SOP: MSS01 Rev: 14
 Method: 625 SOP: MSS02 Rev: 8

Maintenance Log ID: 15562

Column 1 ID: DB-5MS

Column 2 ID: NA

Workgroups: WG221704, WG221796, WG221920

Internal STD: STD13351 Surrogate STD: NA Calibration STD

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	5M42147	WG221795-01 50PPM DFTPP STD	1	1	SOS78-44	09/08/06 08:48
2	5M42148	WG221795-02 50PPM BNA STD	1	1	STD12520	09/08/06 09:07
3	5M42149	50PPM TCL STD	1	1	STD12739	09/08/06 09:40
4	5M42150	WG221795-02 50PPM BNA STD	1	1	STD12520	09/08/06 10:13
5	5M42151	WG221632-01 BLK 9/6 EP266P81	1	1		09/08/06 10:54
6	5M42152	WG221632-02 LCS 9/6 EP266P81	1	1		09/08/06 11:27
7	5M42153	WG221632-03 LCSDUP 9/6 EP266P81	1	1		09/08/06 12:00
8	5M42154	WG221504-01 FBLK 9/6 EP266P81	17	1		09/08/06 12:33
9	5M42155	L0609044-01 TCLP	17	1		09/08/06 13:06
10	5M42156	L0608688-01 RE	1	1		09/08/06 13:40
11	5M42157	L0608709-01 TCLP	17	1		09/08/06 14:13
12	5M42158	L0608644-02 SOIL	7	1	SOIL	09/08/06 14:46
13	5M42159	L0608644-04 SOIL	7	1	SOIL	09/08/06 15:18
14	5M42160	L0608644-06 SOIL	7	1	SOIL	09/08/06 15:51
15	5M42161	WG221298-07 L0608644-09 MS 10X SOIL	7	10	SOIL	09/08/06 16:24
16	5M42162	WG221298-08 L0608644-10 MSD 10X SOIL	7	10	SOIL	09/08/06 16:58
17	5M42163	L0608644-07 5X SOIL	7	5	SOIL	09/08/06 17:31
18	5M42164	L0608644-05 10X SOIL	7	10	SOIL	09/08/06 18:03
19	5M42165	L0608644-03 5X SOIL	7	5	SOIL	09/08/06 18:36
20	5M42166	L0608643-02 20X SOIL	7	20	SOIL	09/08/06 19:09
21	5M42167	WG221298-02 L0608644-01 10X REF SOIL	7	10	SOIL	09/08/06 19:42
22	5M42168	L0608714-01 10X WASTE	11	10	SOIL	09/08/06 20:15
23	5M42169	L0608716-01 10X WASTE	11	10	SOIL	09/08/06 20:48
24	5M42170	BAKE OUT	1	1		09/08/06 21:22
25	5M42171	BAKE OUT	1	1		09/08/06 21:55
26	5M42172	BAKE OUT	1	1		09/08/06 22:28

Comments

Seq.	Rerun	Dil.	Reason	Analytes
2				
			WG221795-02 50PPM BNA STD - pentachlorophenol slightly > UCL - rerun to verify, not reported	
4				
			WG221795-02 50PPM BNA STD - fluorene, 4-nitroaniline, indeno(1,2,3-cd)pyrene, dibenz(ah)anthracene and benzo(ghi)perylene > 20% biased high	
6				
			WG221632-02 LCS - pentachlorophenol > UCL	

Page: 1 of 2

Approved: 11-SEP-06



KEMRON Environmental Services

Instrument Run Log

00061376

Instrument: HPMS5	Dataset: 090806	
Analyst1: ALT	Analyst2: NA	
Method: 8270C	SOP: MSS01	Rev: 14
Method: 625	SOP: MSS02	Rev: 8

Maintenance Log ID: 15562

Column 1 ID: DB-5MS

Column 2 ID: NA

Workgroups: WG221704, WG221796, WG221920

Internal STD: STD13351 Surrogate STD: NA

Comments

Seq.	Rerun	Dil.	Reason	Analytes
7				
			WG221632-03 LCSDUP - pentachlorophenol > UCL, SS 6 high	
11				
			L0608709-01 TCLP - SS 6 high	
15				
			WG221298-07 L0608644-09 MS 10X SOIL - 26 compounds beyond limits; diluted due to extract viscosity	
16				
			WG221298-07 L0608644-09 MS 10X SOIL - 28 compounds beyond limits; diluted due to extract viscosity	
17				
			L0608644-07 5X SOIL - diluted due to extract viscosity	
18				
			L0608644-05 10X SOIL - diluted due to extract viscosity	
19				
			L0608644-03 5X SOIL - diluted due to extract viscosity	
20				
			L0608643-02 20X SOIL - diluted due to extract viscosity	
21				
			WG221298-02 L0608644-01 10X REF SOIL - diluted due to extract viscosity	
22				
			L0608714-01 10X WASTE - diluted due to extract appearance	
23				
			L0608716-01 10X WASTE - diluted due to extract appearance	



Parameter: BNA-S SOP #: EXASE01 Revision #: 6
 Extraction Analyst(s): Ed.CPD TV/KD Analyst(s): CSH
 Date/Time Extracted: 09-01-06 @ 0830 Date TV/KD: 9-1-06
 Spike/Surrogate Analyst: CPD Witness: CSH
 Surrogate #: STD13638 Earliest Hold Date: 9/12
 Spike #: A = STD14145 Spike #: B = -

Extraction Work Group WG 221298Extract Relinquished By: CSHExtract Received By & Date: WJ/9/1/06

	Sample ID	Test Code	pH			Initial Vol / Wt	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Emulsions /			Comments
			<2	N	>12						A	BN	N	
1	Blank					20.00g	500ul		1ml	T				WG 221298-03
2	LCS					↓		500ul		C				WG ↓ -04
3	08-643-01B	8270				20.04				O				W6221298-01
4	-02					20.18				↓				
5	-03					20.15				↓				
6	-04					20.12				C				
7	-05					20.20				O				
8	-06					20.15				C				
9	-07					20.14				O				
10	-09MS					20.01		500ul		↓				W6221298-05
11	-10MSD					↓		↓		↓				↓ -06
12	08-644-01B					20.23				↓				W6221298-02
13	-02					20.22				C				
14	-03					20.00				O				
15	-04					20.50				C				
16	-05					20.01				O				*
17	-06					20.02				C				
18	-07					20.90				O				
19	-09MS					20.23		500ul		↓				W6221298-07
20	-10MSD					↓		↓		↓				↓ -08
21														
22														
23														
24														

Methylene Chloride Lot #: C20E06Hexane Lot #: -Ether Lot #: -Methanol Lot #: -Solvent: - Lot #: -Reagent: Sand Lot #: C13603Reagent: DE Lot #: C03471Reagent: - Lot #: -Acid: - Lot #: -Florisil Lot #: -Silica Gel Lot #: -IR Analyst / Date / Time: -Dried Na₂SO₄ Lot #: C15600

Color Code

T = Transparent

C = Colored

O = Opaque

SW-846 Method

		On	Off	On	Off
Continuous	3520C				
Soxhlet	3540C				
ASE*	3545	✓			
Sep Funnel	3510C				
Sonication	3550B				
Waste	3580A				

* Accelerated Solvent Extractor (ASE)

Clean-ups			
Florisil 3620B		GPC 3640A	
Silica Gel 3630C		Other	
Acid 3665A		N/A	✓
Sulfur 3660B			

Peer Reviewed By: Chris HillDate: 9-1-6

Extraction Notes For Volume # 267 Page # 113

General Comments:	<i>✓ Sy 08-644-05 Composed primarily of gravel & silt.</i>

Extraction Anomalies:	<i>NONE</i>

Concentration Anomalies:	<i>NONE</i>

Clean-Up Anomalies:	<i>N/A</i>

Supervisor Review: _____ Date: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061379

Analytical Method: 8270C

AAB#: WG221796

Login Number: L0608643

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
06SB01-01	08/29/06	08/30/06	09/01/06	14	2.72	09/07/06	40	6.55	
06SB01-02	08/29/06	08/30/06	09/01/06	14	2.71	09/08/06	40	7.44	
06SB02-01	08/29/06	08/30/06	09/01/06	14	2.70	09/07/06	40	6.62	
06SB02-02	08/29/06	08/30/06	09/01/06	14	2.70	09/07/06	40	6.44	
06SB03-01	08/29/06	08/30/06	09/01/06	14	2.69	09/08/06	40	6.67	
06SB03-02	08/29/06	08/30/06	09/01/06	14	2.69	09/07/06	40	6.46	
06SB01-01-QC	08/29/06	08/30/06	09/01/06	14	2.72	09/07/06	40	6.64	
06SB01-01	08/29/06	08/30/06	09/01/06	14	2.72	09/07/06	40	6.57	
06SB01-01	08/29/06	08/30/06	09/01/06	14	2.72	09/07/06	40	6.60	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

00061380

Login Number: L0608643

Method: 8270

Instrument Id: HPMS5

CAL ID: HPMS5 - 05-SEP-06

Workgroup (AAB#): WG221796

Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3	4	5	6
L0608643-01	1.00	01	59.6	61.1	53.4	57.0	102	63.6
L0608643-02	20.0	DL01	108	79.5	30.1	60.5	85.7	53.9
L0608643-03	1.00	01	50.3	49.3	37.3	47.5	84.1	48.9
L0608643-04	1.00	01	37.8	61.6	52.9	61.7	111	63.5
L0608643-05	5.00	DL01	67.9	60.3	47.1	50.3	70.9	59.5
L0608643-06	1.00	01	29.2	61.9	44.8	60.1	105	56.5
L0608643-07	1.00	01	55.0	61.9	52.8	62.8	95.1	66.6
L0608643-09	1.00	01	64.9	67.4	59.6	60.6	81.8	75.0
L0608643-10	1.00	01	58.0	61.8	52.7	55.7	82.7	66.1
WG221298-03	1.00	01	60.3	60.2	56.6	58.7	115	63.8
WG221298-04	1.00	01	83.5	58.0	52.5	52.0	106	60.6

Surrogates	Surrogate Limits
1 - 2,4,6-Tribromophenol	19 - 122
2 - 2-Fluorobiphenyl	30 - 115
3 - 2-Fluorophenol	25 - 121
4 - Nitrobenzene-d5	23 - 120
5 - p-Terphenyl-d14	18 - 137
6 - Phenol-d5	24 - 113

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

METHOD BLANK SUMMARY

00061381

Login Number: L0608643
 Blank File ID: 5M42126
 Date Analyzed: 09/07/06
 Time Analyzed: 16:46
 Analyst: ALT

Work Group: WG221796
 Blank Sample ID: WG221298-03
 Instrument ID: HPMS5
 Method: 8270C

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG221298-04	5M42127	09/07/06 17:20	01
06SB02-02	L0608643-04	5M42130	09/07/06 18:59	01
06SB03-02	L0608643-06	5M42131	09/07/06 19:31	01
06SB01-01	L0608643-01	5M42135	09/07/06 21:43	01
06SB01-01	L0608643-09	5M42136	09/07/06 22:16	01
06SB01-01	L0608643-10	5M42137	09/07/06 22:49	01
06SB02-01	L0608643-03	5M42138	09/07/06 23:23	01
06SB01-01-QC	L0608643-07	5M42139	09/07/06 23:56	01
06SB03-01	L0608643-05	5M42140	09/08/06 00:30	DL01
06SB01-02	L0608643-02	5M42166	09/08/06 19:09	DL01

METHOD BLANK REPORT

00061382

Login Number: L0608643 Run Date: 09/07/2006 Sample ID: WG221298-03
 Instrument ID: HPMS5 Run Time: 16:46 Prep Method: 3545
 File ID: 5M42126 Analyst: ALT Method: 8270C
 Workgroup (AAB#): WG221796 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS5 - 05-SEP-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Phenol	82.5	165	82.5	1	U
Bis(2-Chloroethyl)ether	82.5	165	82.5	1	U
2-Chlorophenol	82.5	165	82.5	1	U
1,3-Dichlorobenzene	82.5	165	82.5	1	U
1,4-Dichlorobenzene	82.5	165	82.5	1	U
Benzyl alcohol	82.5	165	82.5	1	U
1,2-Dichlorobenzene	82.5	165	82.5	1	U
2-Methylphenol	82.5	165	82.5	1	U
3-,4-Methylphenol	82.5	165	82.5	1	U
bis(2-Chloroisopropyl)ether	82.5	165	82.5	1	U
N-Nitrosodipropylamine	82.5	165	82.5	1	U
Hexachloroethane	82.5	165	82.5	1	U
Nitrobenzene	82.5	165	82.5	1	U
Isophorone	82.5	165	82.5	1	U
2-Nitrophenol	82.5	165	82.5	1	U
2,4-Dimethylphenol	82.5	165	82.5	1	U
Benzoic acid	330	825	330	1	U
Bis(2-Chloroethoxy)Methane	82.5	165	82.5	1	U
2,4-Dichlorophenol	82.5	165	82.5	1	U
1,2,4-Trichlorobenzene	82.5	165	82.5	1	U
Naphthalene	82.5	165	82.5	1	U
4-Chloroaniline	82.5	165	82.5	1	U
Hexachlorobutadiene	82.5	165	82.5	1	U
4-Chloro-3-methylphenol	82.5	165	82.5	1	U
2-Methylnaphthalene	82.5	165	82.5	1	U
Hexachlorocyclopentadiene	82.5	165	82.5	1	U
2,4,6-Trichlorophenol	82.5	165	82.5	1	U
2,4,5-Trichlorophenol	82.5	165	82.5	1	U
2-Chloronaphthalene	82.5	165	82.5	1	U
2-Nitroaniline	330	825	330	1	U
Dimethylphthalate	82.5	165	82.5	1	U
Acenaphthylene	82.5	165	82.5	1	U
2,6-Dinitrotoluene	82.5	165	82.5	1	U
3-Nitroaniline	330	825	330	1	U
Acenaphthene	82.5	165	82.5	1	U
2,4-Dinitrophenol	330	825	330	1	U
4-Nitrophenol	330	825	330	1	U
Dibenzofuran	82.5	165	82.5	1	U
2,4-Dinitrotoluene	82.5	165	82.5	1	U
Diethylphthalate	82.5	165	82.5	1	U
4-Chlorophenyl-phenyl ether	82.5	165	82.5	1	U
Fluorene	82.5	165	82.5	1	U

KEMRON FORMS - Modified 07/21/2006
 Version 1.5 PDF File ID: 560729
 Report generated 09/11/2006 15:33

METHOD BLANK REPORT

00061383

Login Number: L0608643 Run Date: 09/07/2006 Sample ID: WG221298-03
 Instrument ID: HPMS5 Run Time: 16:46 Prep Method: 3545
 File ID: 5M42126 Analyst: ALT Method: 8270C
 Workgroup (AAB#): WG221796 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS5 - 05-SEP-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
4-Nitroaniline	330	825	330	1	U
4,6-Dinitro-2-methylphenol	330	825	330	1	U
N-Nitrosodiphenylamine	82.5	165	82.5	1	U
4-Bromophenyl-phenylether	82.5	165	82.5	1	U
Hexachlorobenzene	82.5	165	82.5	1	U
Pentachlorophenol	330	825	330	1	U
Phenanthrene	82.5	165	82.5	1	U
Anthracene	82.5	165	82.5	1	U
Di-N-Butylphthalate	82.5	165	82.5	1	U
Fluoranthene	82.5	165	82.5	1	U
Pyrene	82.5	165	82.5	1	U
Butylbenzylphthalate	82.5	165	82.5	1	U
3,3'-Dichlorobenzidine	165	330	165	1	U
Benzo(a)anthracene	82.5	165	82.5	1	U
Chrysene	82.5	165	82.5	1	U
bis(2-Ethylhexyl)phthalate	82.5	165	82.5	1	U
Di-n-octylphthalate	82.5	165	82.5	1	U
Benzo(b)fluoranthene	82.5	165	82.5	1	U
Benzo(k)fluoranthene	82.5	165	82.5	1	U
Benzo(a)pyrene	82.5	165	82.5	1	U
Indeno(1,2,3-cd)pyrene	82.5	165	82.5	1	U
Dibenzo(a,h)Anthracene	82.5	165	82.5	1	U
Benzo(g,h,i)Perylene	82.5	165	82.5	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2-Fluorophenol	56.6	25 - 121	PASS
Phenol-d5	63.8	24 - 113	PASS
Nitrobenzene-d5	58.7	23 - 120	PASS
2-Fluorobiphenyl	60.2	30 - 115	PASS
2,4,6-Tribromophenol	60.3	19 - 122	PASS
p-Terphenyl-d14	115	18 - 137	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

Login Number: L0608643	Run Date: 09/07/2006	Sample ID: WG221298-04
Instrument ID: HPMS5	Run Time: 17:20	Prep Method: 3545
File ID: 5M42127	Analyst: ALT	Method: 8270C
Workgroup (AAB#): WG221796	Matrix: Solid	Units: ug/kg
Contract #: DACA56-94-D-0020	Cal ID: HPMS5 - 05-SEP-06	

Analytes	Expected	Found	% Rec	LCS Limits	Q
Phenol	2500	1430	57.1	35 - 100	
Bis(2-Chloroethyl)ether	2500	1430	57.3	30 - 100	
2-Chlorophenol	2500	1350	54.1	35 - 105	
1,3-Dichlorobenzene	2500	1310	52.4	35 - 100	
1,4-Dichlorobenzene	2500	1320	52.7	35 - 105	
Benzyl alcohol	2500	1400	56.0	30 - 100	
1,2-Dichlorobenzene	2500	1360	54.6	35 - 95	
2-Methylphenol	2500	1380	55.0	35 - 100	
3-,4-Methylphenol	2500	1640	65.7	35 - 105	
bis(2-Chloroisopropyl)ether	2500	1330	53.4	20 - 115	
N-Nitrosodipropylamine	2500	1490	59.7	35 - 110	
Hexachloroethane	2500	1290	51.7	30 - 100	
Nitrobenzene	2500	1270	50.7	35 - 100	
Isophorone	2500	1390	55.6	35 - 100	
2-Nitrophenol	2500	1320	52.7	35 - 100	
2,4-Dimethylphenol	2500	1330	53.4	30 - 105	
Benzoic acid	2500	2150	86.1	20 - 110	
Bis(2-Chloroethoxy)Methane	2500	1330	53.4	30 - 100	
2,4-Dichlorophenol	2500	1340	53.6	35 - 110	
1,2,4-Trichlorobenzene	2500	1230	49.2	35 - 100	
Naphthalene	2500	1300	52.0	35 - 100	
4-Chloroaniline	2500	1250	50.1	35 - 100	
Hexachlorobutadiene	2500	1320	52.8	30 - 100	
4-Chloro-3-methylphenol	2500	1480	59.3	40 - 100	
2-Methylnaphthalene	2500	1360	54.5	35 - 115	
Hexachlorocyclopentadiene	2500	1210	48.4	30 - 110	
2,4,6-Trichlorophenol	2500	1540	61.8	40 - 110	
2,4,5-Trichlorophenol	2500	1700	67.8	40 - 110	
2-Chloronaphthalene	2500	1240	49.5	40 - 105	
2-Nitroaniline	2500	1520	60.9	45 - 120	
Dimethylphthalate	2500	1950	78.1	45 - 115	
Acenaphthylene	2500	1540	61.8	40 - 110	
2,6-Dinitrotoluene	2500	1910	76.3	50 - 125	
3-Nitroaniline	2500	2190	87.7	50 - 130	
Acenaphthene	2500	1670	66.7	40 - 110	
2,4-Dinitrophenol	2500	1810	72.3	40 - 130	
4-Nitrophenol	2500	2390	95.6	45 - 140	
Dibenzofuran	2500	1670	66.9	35 - 110	
2,4-Dinitrotoluene	2500	2580	103	50 - 130	
Diethylphthalate	2500	2340	93.7	50 - 130	
4-Chlorophenyl-phenyl ether	2500	1700	67.9	40 - 110	

LABORATORY CONTROL SAMPLE (LCS)

00061385

Login Number: L0608643	Run Date: 09/07/2006	Sample ID: WG221298-04
Instrument ID: HPMS5	Run Time: 17:20	Prep Method: 3545
File ID: 5M42127	Analyst: ALT	Method: 8270C
Workgroup (AAB#): WG221796	Matrix: Solid	Units: ug/kg
Contract #: DACA56-94-D-0020	Cal ID: HPMS5 - 05-SEP-06	

Analytes	Expected	Found	% Rec	LCS Limits	Q
Fluorene	2500	2010	80.2	45 - 115	
4-Nitroaniline	2500	2740	109	35 - 140	
4,6-Dinitro-2-methylphenol	2500	2160	86.5	45 - 130	
N-Nitrosodiphenylamine	2500	1880	75.4	50 - 130	
4-Bromophenyl-phenylether	2500	1740	69.5	40 - 115	
Hexachlorobenzene	2500	2210	88.3	45 - 120	
Pentachlorophenol	2500	3010	120	50 - 150	
Phenanthrene	2500	2430	97.3	50 - 130	
Anthracene	2500	2510	100	55 - 130	
Di-N-Butylphthalate	2500	2620	105	55 - 140	
Fluoranthene	2500	2780	111	55 - 140	
Pyrene	2500	2510	100	45 - 135	
Butylbenzylphthalate	2500	2620	105	50 - 150	
3,3'-Dichlorobenzidine	2500	2300	91.9	40 - 140	
Benzo(a)anthracene	2500	2520	101	50 - 130	
Chrysene	2500	2510	101	55 - 140	
bis(2-Ethylhexyl)phthalate	2500	2500	99.9	50 - 150	
Di-n-octylphthalate	2500	2870	115	40 - 145	
Benzo(b)fluoranthene	2500	2430	97.4	45 - 125	
Benzo(k)fluoranthene	2500	2620	105	45 - 135	
Benzo(a)pyrene	2500	2540	102	50 - 130	
Indeno(1,2,3-cd)pyrene	2500	2370	94.8	50 - 135	
Dibenzo(a,h)Anthracene	2500	2360	94.2	40 - 140	
Benzo(g,h,i)Perylene	2500	2380	95.3	40 - 140	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2-Fluorophenol	52.5	25 - 121	PASS
Phenol-d5	60.6	24 - 113	PASS
Nitrobenzene-d5	52.0	23 - 120	PASS
2-Fluorobiphenyl	58.0	30 - 115	PASS
2,4,6-Tribromophenol	83.5	19 - 122	PASS
p-Terphenyl-d14	106	18 - 137	PASS

* FAILS %REC LIMIT

MS/MSD REPORT

Loginnum: L0608643

Cal ID: HPMS5 - 05-SEP-06

00061386
WORKNUM: 06220706

Instrument ID: HPMS5

Contract #: DACA56-94-D-0020

Prep Method: 3545

Parent ID: L0608643-01

File ID: 5M42135

Dil: 1

Method: 8270C

Sample ID: L0608643-09 MS

File ID: 5M42136

Dil: 1

Matrix: Soil

Sample ID: L0608643-10 MSD

File ID: 5M42137

Dil: 1

Units: ug/kg

Percent Solid: 91.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Phenol	ND	2740	1990	72.8	2740	1780	64.8	11.5	35 - 100	51	
Bis(2-Chloroethyl)ether	ND	2740	1930	70.5	2740	1750	63.8	9.95	30 - 100	52	
2-Chlorophenol	ND	2740	1820	66.5	2740	1630	59.5	11.1	35 - 105	47	
1,3-Dichlorobenzene	ND	2740	1700	62.0	2740	1550	56.5	9.37	35 - 100	42	
1,4-Dichlorobenzene	ND	2740	1730	63.2	2740	1570	57.4	9.63	35 - 105	43	
Benzyl alcohol	ND	2740	1990	72.7	2740	1770	64.5	11.9	30 - 100	51	
1,2-Dichlorobenzene	ND	2740	1810	66.1	2740	1640	59.9	9.83	35 - 95	42	
2-Methylphenol	ND	2740	1680	61.3	2740	1530	55.9	9.21	35 - 100	52	
3-,4-Methylphenol	ND	2740	1930	70.6	2740	1740	63.6	10.4	35 - 105	52	
bis(2-Chloroisopropyl)ether	ND	2740	1820	66.3	2740	1650	60.3	9.49	20 - 115	49	
N-Nitrosodipropylamine	ND	2740	2050	74.8	2740	1850	67.4	10.3	35 - 110	59	
Hexachloroethane	ND	2740	1680	61.3	2740	1550	56.6	7.95	30 - 100	47	
Nitrobenzene	ND	2740	1670	60.9	2740	1530	55.7	8.85	35 - 100	50	
Isophorone	ND	2740	1870	68.2	2740	1700	61.9	9.67	35 - 100	62	
2-Nitrophenol	ND	2740	1730	63.0	2740	1610	58.9	6.64	35 - 100	60	
2,4-Dimethylphenol	ND	2740	810	29.5	2740	860	31.4	6.09	30 - 105	57	*
Benzoic acid	ND	2740	2460	89.6	2740	2100	76.7	15.5	20 - 110	61	
Bis(2-Chloroethoxy)Methane	ND	2740	1760	64.3	2740	1600	58.4	9.73	30 - 100	53	
2,4-Dichlorophenol	ND	2740	1830	66.8	2740	1650	60.1	10.7	35 - 110	53	
1,2,4-Trichlorobenzene	ND	2740	1650	60.1	2740	1510	55.2	8.48	35 - 100	46	
Naphthalene	ND	2740	1720	62.7	2740	1570	57.1	9.20	35 - 100	45	
4-Chloroaniline	ND	2740	1270	46.4	2740	1240	45.2	2.76	35 - 100	73	
Hexachlorobutadiene	ND	2740	1720	62.7	2740	1610	58.9	6.26	30 - 100	52	
4-Chloro-3-methylphenol	ND	2740	1870	68.2	2740	1690	61.8	9.86	40 - 100	62	
2-Methylnaphthalene	ND	2740	1780	65.0	2740	1620	59.0	9.67	35 - 115	49	
Hexachlorocyclopentadiene	ND	2740	1240	45.1	2740	1160	42.1	6.73	30 - 110	60	
2,4,6-Trichlorophenol	ND	2740	1900	69.3	2740	1760	64.2	7.60	40 - 110	63	
2,4,5-Trichlorophenol	ND	2740	2150	78.5	2740	1950	71.2	9.70	40 - 110	63	
2-Chloronaphthalene	ND	2740	1630	59.6	2740	1480	54.0	9.93	40 - 105	50	
2-Nitroaniline	ND	2740	1600	58.3	2740	1470	53.7	8.24	45 - 120	67	
Dimethylphthalate	ND	2740	1920	70.2	2740	1740	63.5	9.95	45 - 115	63	
Acenaphthylene	ND	2740	1910	69.5	2740	1720	62.6	10.5	40 - 110	53	
2,6-Dinitrotoluene	ND	2740	1880	68.5	2740	1690	61.7	10.4	50 - 125	69	
3-Nitroaniline	ND	2740	1970	72.0	2740	1790	65.2	9.98	50 - 130	86	
Acenaphthene	ND	2740	2000	72.9	2740	1830	66.7	8.91	40 - 110	70	
2,4-Dinitrophenol	ND	2740	1820	66.5	2740	1610	58.6	12.7	40 - 130	72	
4-Nitrophenol	ND	2740	2710	98.7	2740	2410	87.8	11.7	45 - 140	99	
Dibenzofuran	ND	2740	1940	70.7	2740	1780	64.8	8.74	35 - 110	55	
2,4-Dinitrotoluene	ND	2740	2380	86.7	2740	2140	77.9	10.6	50 - 130	75	
Diethylphthalate	ND	2740	2210	80.8	2740	1970	72.0	11.5	50 - 130	70	
4-Chlorophenyl-phenyl ether	ND	2740	1790	65.4	2740	1660	60.7	7.43	40 - 110	64	

KEMRON FORMS - Modified 07/13/2006
Version 1.5 PDF File ID: 560731
Report generated 09/11/2006 15:35

MS/MSD REPORT

Loginnum: L0608643

Cal ID: HPMS5 05-SEP-06

00061387
Worknum: 05220706

Instrument ID: HPMS5

Contract #: DACA56-94-D-0020

Prep Method: 3545

Parent ID: L0608643-01

File ID: 5M42135

Dil: 1

Method: 8270C

Sample ID: L0608643-09 MS

File ID: 5M42136

Dil: 1

Matrix: Soil

Sample ID: L0608643-10 MSD

File ID: 5M42137

Dil: 1

Units: ug/kg

Percent Solid: 91.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Fluorene	ND	2740	2080	75.8	2740	1920	69.9	8.15	45 - 115	55	
4-Nitroaniline	ND	2740	2690	98.1	2740	2500	91.2	7.29	35 - 140	95	
4,6-Dinitro-2-methylphenol	ND	2740	2360	86.0	2740	2080	75.9	12.5	45 - 130	86	
N-Nitrosodiphenylamine	ND	2740	1360	49.5	2740	1210	44.3	10.9	50 - 130	65	*
4-Bromophenyl-phenylether	ND	2740	1600	58.5	2740	1490	54.3	7.46	40 - 115	58	
Hexachlorobenzene	ND	2740	2070	75.5	2740	1910	69.6	8.16	45 - 120	68	
Pentachlorophenol	ND	2740	3190	116	2740	2920	106	8.83	50 - 150	77	
Phenanthrene	ND	2740	2350	85.8	2740	2120	77.4	10.3	50 - 130	70	
Anthracene	ND	2740	2390	87.3	2740	2150	78.4	10.7	55 - 130	72	
Di-N-Butylphthalate	ND	2740	2680	97.8	2740	2590	94.7	3.23	55 - 140	82	
Fluoranthene	ND	2740	2930	107	2740	2770	101	5.60	55 - 140	80	
Pyrene	ND	2740	2690	98.0	2740	2540	92.8	5.37	45 - 135	89	
Butylbenzylphthalate	ND	2740	2700	98.5	2740	2630	95.8	2.68	50 - 150	86	
3,3'-Dichlorobenzidine	ND	2740	521	19.0	2740	807	29.5	43.2	40 - 140	135	*
Benzo(a)anthracene	ND	2740	2600	95.0	2740	2550	92.9	2.19	50 - 130	83	
Chrysene	ND	2740	2660	97.1	2740	2560	93.5	3.78	55 - 140	72	
bis(2-Ethylhexyl)phthalate	ND	2740	2420	88.4	2740	2340	85.4	3.40	50 - 150	83	
Di-n-octylphthalate	ND	2740	2850	104	2740	2830	103	0.647	40 - 145	96	
Benzo(b)fluoranthene	ND	2740	2440	89.0	2740	2550	93.1	4.44	45 - 125	76	
Benzo(k)fluoranthene	ND	2740	2810	103	2740	2650	96.7	5.91	45 - 135	79	
Benzo(a)pyrene	ND	2740	2570	93.6	2740	2550	93.1	0.606	50 - 130	72	
Indeno(1,2,3-cd)pyrene	ND	2740	2030	74.2	2740	1940	70.8	4.68	50 - 135	84	
Dibenzo(a,h)Anthracene	ND	2740	2110	77.0	2740	1970	71.9	6.83	40 - 140	88	
Benzo(g,h,i)Perylene	ND	2740	1920	70.1	2740	1800	65.7	6.55	40 - 140	85	

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

00061388

DFTPP

Login Number: L0608643 _____ Tune ID: WG221438-01 _____
Instrument: HPMS5 _____ Run Date: 09/05/2006 _____
Analyst: ALT _____ Run Time: 08:28 _____
Workgroup: WG221438 _____ File ID: 5M42068 _____
Cal ID: HPMS5-05-SEP-06 _____

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	31.3	63083	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	36.2	72864	PASS
70.0	69.0	0	2.00	0.457	333	PASS
127	198	40.0	60.0	46.8	94189	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	201450	PASS
199	198	5.00	9.00	6.86	13822	PASS
275	198	10.0	30.0	25.6	51658	PASS
365	198	1.00	100	3.52	7091	PASS
441	443	0.0100	100	77.0	25685	PASS
442	198	40.0	100	84.8	170730	PASS
443	442	17.0	23.0	19.5	33360	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG221438-09	SSCV	01	09/05/2006 12:42	
WG221438-08	STD	01	09/05/2006 12:08	
WG221438-07	STD	01	09/05/2006 11:35	
WG221438-06	STD	01	09/05/2006 11:02	
WG221438-05	STD	01	09/05/2006 10:28	
WG221438-04	STD	01	09/05/2006 09:55	
WG221438-03	STD	01	09/05/2006 09:21	
WG221438-02	STD-CCV	01	09/05/2006 08:48	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061389

DFTPP

Login Number: L0608643
Instrument: HPMS5
Analyst: ALT
Workgroup: WG221739

Tune ID: WG221739-01
Run Date: 09/07/2006
Run Time: 14:16
File ID: 5M42121

Cal ID: HPMS5 -05-SEP-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	31.6	60555	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	36.7	70432	PASS
70.0	69.0	0	2.00	0.628	442	PASS
127	198	40.0	60.0	47.8	91642	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	191829	PASS
199	198	5.00	9.00	6.95	13329	PASS
275	198	10.0	30.0	26.0	49954	PASS
365	198	1.00	100	3.67	7034	PASS
441	443	0.0100	100	77.0	23637	PASS
442	198	40.0	100	81.7	156762	PASS
443	442	17.0	23.0	19.6	30680	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG221739-02	CCV	09/07/2006 14:34

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG221298-03	BLANK	01	09/07/2006 16:46	
WG221298-04	LCS	01	09/07/2006 17:20	
L0608643-04	06SB02-02	01	09/07/2006 18:59	
L0608643-06	06SB03-02	01	09/07/2006 19:31	
L0608643-01	06SB01-01	01	09/07/2006 21:43	
L0608643-09	06SB01-01	01	09/07/2006 22:16	
L0608643-10	06SB01-01	01	09/07/2006 22:49	
L0608643-03	06SB02-01	01	09/07/2006 23:23	
L0608643-07	06SB01-01-QC	01	09/07/2006 23:56	
L0608643-05	06SB03-01	DL01	09/08/2006 00:30	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061390

DFTPP

Login Number: L0608643
Instrument: HPMS5
Analyst: ALT
Workgroup: WG221795

Tune ID: WG221795-01
Run Date: 09/08/2006
Run Time: 08:48
File ID: 5M42147

Cal ID: HPMS5 -05-SEP-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	33.8	66406	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	38.7	75994	PASS
70.0	69.0	0	2.00	0.540	410	PASS
127	198	40.0	60.0	49.5	97352	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	196586	PASS
199	198	5.00	9.00	6.92	13599	PASS
275	198	10.0	30.0	25.3	49816	PASS
365	198	1.00	100	3.48	6844	PASS
441	443	0.0100	100	77.4	22330	PASS
442	198	40.0	100	73.2	143872	PASS
443	442	17.0	23.0	20.0	28836	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG221795-02	CCV	09/08/2006 10:13

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
L0608643-02	06SB01-02	DL01	09/08/2006 19:09	

* Sample past 12 hour tune limit

INITIAL CALIBRATION SUMMARY

00061391

Login Number: L0608643
 Analytical Method: 8270C
 ICAL Workgroup: WG221438

Instrument ID: HPMS5
 Initial Calibration Date: 05-SEP-06 12:08
 Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
1,4-Dichlorobenzene	CCC	1.556	3.64		
2,4,6-Trichlorophenol	CCC	0.3559	10.7		
2,4-Dichlorophenol	CCC	0.2810	8.68		
2-Nitrophenol	CCC	0.1783	8.84		
4-Chloro-3-Methylphenol	CCC	0.3046	6.11		
Acenaphthene	CCC	1.089	8.26		
Benzo[a]pyrene	CCC	1.408	5.42		
Di-n-Octyl Phthalate	CCC	1.595	6.83		
Fluoranthene	CCC	1.292	5.84		
Hexachlorobutadiene	CCC	0.2077	2.86		
Pentachlorophenol	CCC	0.1391	14.6		
Phenol	CCC	1.530	4.03		
n-Nitrosodiphenylamine	CCC	0.6974	4.48		
2,4-Dinitrophenol	SPCC	0.1403	24.3	0.998	
4-Nitrophenol	SPCC	0.2292	7.02		
Hexachlorocyclopentadiene	SPCC	0.3147	14.0		
n-Nitrosodipropylamine	SPCC	0.9292	14.4		
1,2,4-Trichlorobenzene		0.3389	3.40		
1,2-Dichlorobenzene		1.438	3.33		
1,3-Dichlorobenzene		1.509	3.32		
2,4,5-Trichlorophenol		0.3789	9.74		
2,4-Dimethylphenol		0.3045	7.27		
2,4-Dinitrotoluene		0.3533	10.5		
2,6-Dinitrotoluene		0.3022	4.47		
2-Chloronaphthalene		1.271	4.49		
2-Chlorophenol		1.362	3.16		
2-Methylnaphthalene		0.6632	5.43		
2-Methylphenol		1.037	3.26		
2-Nitroaniline		0.3892	7.37		
3,3'-Dichlorobenzidine		0.4699	3.43		
3-,4-Methylphenol		1.309	4.05		
3-Nitroaniline		0.2967	3.66		
4,6-Dinitro-2-Methylphenol		0.1561	12.1		
4-Bromophenyl Phenyl Ether		0.2609	4.64		
4-Chloroaniline		0.4120	5.47		
4-Chlorophenyl Phenyl Ether		0.6611	2.93		
4-Nitroaniline		0.2827	13.6		
Acenaphthylene		1.700	5.76		
Anthracene		1.216	6.41		
Benzo[a]anthracene		1.298	3.34		
Benzo[b]fluoranthene		1.648	7.27		
Benzo[ghi]perylene		1.063	4.11		
Benzo[k]fluoranthene		1.487	3.20		
Benzoic Acid		0.1385	66.1		0.998
Benzyl Alcohol		0.8252	7.70		

KEMRON FORMS - Modified 08/31/2006
 Version 1.5 PDF File ID: 562441
 Report generated 09/11/2006 15:35

INITIAL CALIBRATION SUMMARY

00061392

Login Number: L0608643
 Analytical Method: 8270C
 ICAL Workgroup: WG221438

Instrument ID: HPMS5
 Initial Calibration Date: 05-SEP-06 12:08
 Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
Butyl Benzyl Phthalate		0.5876	10.8		
Chrysene		1.235	3.57		
Di-n-Butyl Phthalate		1.312	9.03		
Dibenz[ah]anthracene		1.185	8.29		
Dibenzofuran		1.504	5.16		
Diethylphthalate		1.225	9.63		
Dimethylphthalate		1.258	4.36		
Fluorene		1.196	12.9		
Hexachlorobenzene		0.2744	4.22		
Hexachloroethane		0.6320	5.29		
Indeno[1,2,3-cd]pyrene		1.366	7.88		
Isophorone		0.6268	6.06		
Naphthalene		1.009	6.38		
Nitrobenzene		0.3707	5.96		
Phenanthrene		1.207	6.80		
Pyrene		1.356	7.61		
bis(2-Chloroethoxy)methane		0.3871	4.43		
bis(2-Chloroethyl)ether		0.8369	8.36		
bis(2-Chloroisopropyl)ether		1.546	7.12		
bis(2-Ethylhexyl)phthalate		0.8302	8.06		

INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS5

Analytical Method: 8270C

Initial Calibration Date: 05-SEP-06 12:08

Column ID: F

00061393

Analyte	WG221438-02			WG221438-03			WG221438-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,4-Dichlorobenzene	50.0	573461.000	1.617	3.00	36815.0000	1.582	15.0	193396.000	1.599
2,4,6-Trichlorophenol	50.0	320781.000	0.3766	3.00	14577.0000	0.2719	15.0	99637.0000	0.3523
2,4-Dichlorophenol	50.0	413166.000	0.2998	3.00	20211.0000	0.2283	15.0	128026.000	0.2757
2-Nitrophenol	50.0	267950.000	0.1944	3.00	12945.0000	0.1462	15.0	84860.0000	0.1828
4-Chloro-3-Methylphenol	50.0	446827.000	0.3242	3.00	24011.0000	0.2712	15.0	147965.000	0.3187
Acenaphthene	50.0	1017052.00	1.194	3.00	58456.0000	1.090	15.0	326362.000	1.154
Benzo[a]pyrene	50.0	1702320.00	1.439	3.00	87902.0000	1.265	15.0	528277.000	1.381
Di-n-Octyl Phthalate	50.0	2040307.00	1.724	3.00	97440.0000	1.402	15.0	634951.000	1.659
Fluoranthene	50.0	1839625.00	1.393	3.00	102637.000	1.269	15.0	579445.000	1.337
Hexachlorobutadiene	50.0	295553.000	0.2144	3.00	18523.0000	0.2092	15.0	99429.0000	0.2141
Pentachlorophenol	50.0	208897.000	0.1582	NA	NA	NA	15.0	44933.0000	0.1037
Phenol	50.0	573125.000	1.616	3.00	34112.0000	1.465	15.0	190622.000	1.576
n-Nitrosodiphenylamine	50.0	971963.000	0.7359	3.00	54586.0000	0.6748	15.0	312564.000	0.7213
2,4-Dinitrophenol	50.0	126867.000	0.1489	NA	NA	NA	15.0	23786.0000	0.08410
4-Nitrophenol	50.0	206625.000	0.2426	NA	NA	NA	15.0	56770.0000	0.2007
Hexachlorocyclopentadiene	50.0	305241.000	0.3583	3.00	11868.0000	0.2214	15.0	89572.0000	0.3167
n-Nitrosodipropylamine	50.0	366965.000	1.035	3.00	23132.0000	0.9937	15.0	127066.000	1.050
1,2,4-Trichlorobenzene	50.0	486949.000	0.3533	3.00	30118.0000	0.3401	15.0	161012.000	0.3468
1,2-Dichlorobenzene	50.0	530010.000	1.495	3.00	34174.0000	1.468	15.0	177676.000	1.469
1,3-Dichlorobenzene	50.0	560160.000	1.580	3.00	34956.0000	1.502	15.0	187124.000	1.547
2,4,5-Trichlorophenol	50.0	343054.000	0.4027	3.00	16061.0000	0.2996	15.0	104432.000	0.3692
2,4-Dimethylphenol	50.0	452729.000	0.3285	3.00	25663.0000	0.2898	15.0	147659.000	0.3180
2,4-Dinitrotoluene	50.0	336840.000	0.3954	3.00	15286.0000	0.2851	15.0	104176.000	0.3683
2,6-Dinitrotoluene	50.0	269463.000	0.3163	3.00	14663.0000	0.2735	15.0	86611.0000	0.3062
2-Chloronaphthalene	50.0	1139987.00	1.338	3.00	67756.0000	1.264	15.0	369085.000	1.305
2-Chlorophenol	50.0	504707.000	1.423	3.00	29961.0000	1.287	15.0	167490.000	1.385
2-Methylnaphthalene	50.0	970551.000	0.7042	3.00	58764.0000	0.6636	15.0	321851.000	0.6931
2-Methylphenol	50.0	379873.000	1.071	3.00	22535.0000	0.9681	15.0	128002.000	1.058
2-Nitroaniline	50.0	355487.000	0.4173	NA	NA	NA	15.0	115177.000	0.4072
3,3'-Dichlorobenzidine	50.0	652679.000	0.4689	3.00	34890.0000	0.4389	15.0	201750.000	0.4660
3-,4-Methylphenol	50.0	488466.000	1.378	3.00	28219.0000	1.212	15.0	160510.000	1.327
3-Nitroaniline	50.0	259800.000	0.3050	NA	NA	NA	15.0	78760.0000	0.2785
4,6-Dinitro-2-Methylphenol	50.0	213522.000	0.1617	NA	NA	NA	15.0	53944.0000	0.1245
4-Bromophenyl Phenyl Ether	50.0	354150.000	0.2681	3.00	19369.0000	0.2395	15.0	108799.000	0.2511
4-Chloroaniline	50.0	604199.000	0.4384	3.00	32845.0000	0.3709	15.0	197816.000	0.4260
4-Chlorophenyl Phenyl Ether	50.0	588288.000	0.6906	3.00	34042.0000	0.6350	15.0	188725.000	0.6673
4-Nitroaniline	50.0	273562.000	0.3211	NA	NA	NA	15.0	87375.0000	0.3089
Acenaphthylene	50.0	1548476.00	1.818	3.00	89369.0000	1.667	15.0	501902.000	1.775
Anthracene	50.0	1721659.00	1.304	3.00	98724.0000	1.221	15.0	552319.000	1.275
Benzo[a]anthracene	50.0	1841389.00	1.323	3.00	105241.000	1.324	15.0	579358.000	1.338
Benzo[b]fluoranthene	50.0	1963719.00	1.660	3.00	102561.000	1.475	15.0	586093.000	1.532
Benzo[ghi]perylene	50.0	1328576.00	1.123	3.00	68120.0000	0.9799	15.0	405978.000	1.061

KEMRON FORMS - Modified 09/06/2006
Version 1.6 PDF File ID: 562441
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INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS5

Analytical Method: 8270C

Initial Calibration Date: 05-SEP-06 12:08

Column ID: F

00061394

Analyte	WG221438-02			WG221438-03			WG221438-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Benzo[k]fluoranthene	50.0	1802862.00	1.524	3.00	99152.0000	1.426	15.0	569437.000	1.488
Benzoic Acid	50.0	156664.000	0.1137	NA	NA	NA	15.0	7916.00000	0.01700
Benzyl Alcohol	50.0	308772.000	0.8708	3.00	15967.0000	0.6859	15.0	99377.0000	0.8215
Butyl Benzyl Phthalate	50.0	868160.000	0.6237	3.00	48024.0000	0.6042	15.0	285180.000	0.6587
Chrysene	50.0	1768552.00	1.271	3.00	99141.0000	1.247	15.0	550748.000	1.272
Di-n-Butyl Phthalate	50.0	1889840.00	1.431	3.00	104360.000	1.290	15.0	621374.000	1.434
Dibenz[ah]anthracene	50.0	1451249.00	1.227	3.00	69755.0000	1.004	15.0	431640.000	1.128
Dibenzofuran	50.0	1347511.00	1.582	3.00	82487.0000	1.539	15.0	444153.000	1.570
Diethylphthalate	50.0	1127044.00	1.323	3.00	69032.0000	1.288	15.0	375272.000	1.327
Dimethylphthalate	50.0	1121339.00	1.316	3.00	67730.0000	1.263	15.0	370299.000	1.309
Fluorene	50.0	1132206.00	1.329	3.00	68352.0000	1.275	15.0	374961.000	1.326
Hexachlorobenzene	50.0	385765.000	0.2921	3.00	20619.0000	0.2549	15.0	117096.000	0.2702
Hexachloroethane	50.0	237079.000	0.6686	3.00	14816.0000	0.6365	15.0	79504.0000	0.6572
Indeno[1,2,3-cd]pyrene	50.0	1687982.00	1.427	3.00	80378.0000	1.156	15.0	502398.000	1.313
Isophorone	50.0	918189.000	0.6662	3.00	53963.0000	0.6094	15.0	307963.000	0.6632
Naphthalene	50.0	1470348.00	1.067	3.00	92739.0000	1.047	15.0	491222.000	1.058
Nitrobenzene	50.0	539580.000	0.3915	3.00	31964.0000	0.3610	15.0	184148.000	0.3966
Phenanthrene	50.0	1703531.00	1.290	3.00	100257.000	1.240	15.0	552549.000	1.275
Pyrene	50.0	1975097.00	1.419	3.00	111970.000	1.409	15.0	629648.000	1.454
bis(2-Chloroethoxy)methane	50.0	564291.000	0.4094	3.00	33552.0000	0.3789	15.0	184709.000	0.3978
bis(2-Chloroethyl)ether	50.0	312669.000	0.8818	3.00	20748.0000	0.8913	15.0	108760.000	0.8991
bis(2-Chloroisopropyl)ether	50.0	578855.000	1.633	3.00	37981.0000	1.632	15.0	197451.000	1.632
bis(2-Ethylhexyl)phthalate	50.0	1216871.00	0.8743	3.00	66385.0000	0.8352	15.0	391876.000	0.9052

INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS5

Analytical Method: 8270C

Initial Calibration Date: 05-SEP-06 12:08

Column ID: F

00061395

Analyte	WG221438-05			WG221438-06			WG221438-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,4-Dichlorobenzene	25.0	334338.000	1.597	80.0	1214752.00	1.492	100	1382714.00	1.528
2,4,6-Trichlorophenol	25.0	181033.000	0.3658	80.0	724299.000	0.3752	100	814243.000	0.3795
2,4-Dichlorophenol	25.0	232527.000	0.2887	80.0	913604.000	0.2904	100	1032727.00	0.2946
2-Nitrophenol	25.0	153191.000	0.1902	80.0	563598.000	0.1792	100	637767.000	0.1819
4-Chloro-3-Methylphenol	25.0	256789.000	0.3188	80.0	957142.000	0.3043	100	1065105.00	0.3038
Acenaphthene	25.0	577992.000	1.168	80.0	2020162.00	1.046	100	2212627.00	1.031
Benzo[a]pyrene	25.0	920710.000	1.380	80.0	3793295.00	1.427	100	4276663.00	1.488
Di-n-Octyl Phthalate	25.0	1120824.00	1.680	80.0	4174087.00	1.571	100	4609122.00	1.604
Fluoranthene	25.0	1023550.00	1.346	80.0	3803007.00	1.260	100	4247839.00	1.280
Hexachlorobutadiene	25.0	169333.000	0.2102	80.0	635006.000	0.2019	100	718594.000	0.2050
Pentachlorophenol	25.0	97098.0000	0.1277	80.0	455047.000	0.1507	100	506132.000	0.1526
Phenol	25.0	331547.000	1.584	80.0	1217942.00	1.496	100	1370876.00	1.515
n-Nitrosodiphenylamine	25.0	551026.000	0.7246	80.0	2060190.00	0.6825	100	2299528.00	0.6931
2,4-Dinitrophenol	25.0	56081.0000	0.1133	80.0	317015.000	0.1642	100	361872.000	0.1687
4-Nitrophenol	25.0	108921.000	0.2201	80.0	461116.000	0.2389	100	514877.000	0.2400
Hexachlorocyclopentadiene	25.0	154291.000	0.3118	80.0	651399.000	0.3374	100	715739.000	0.3336
n-Nitrosodipropylamine	25.0	219337.000	1.048	80.0	683066.000	0.8390	100	738051.000	0.8154
1,2,4-Trichlorobenzene	25.0	280097.000	0.3477	80.0	1036710.00	0.3295	100	1173756.00	0.3348
1,2-Dichlorobenzene	25.0	307076.000	1.467	80.0	1129503.00	1.387	100	1271831.00	1.405
1,3-Dichlorobenzene	25.0	323600.000	1.546	80.0	1184032.00	1.454	100	1346132.00	1.487
2,4,5-Trichlorophenol	25.0	191142.000	0.3862	80.0	768627.000	0.3981	100	865141.000	0.4032
2,4-Dimethylphenol	25.0	268923.000	0.3339	80.0	922141.000	0.2931	100	1025345.00	0.2925
2,4-Dinitrotoluene	25.0	190048.000	0.3840	80.0	689247.000	0.3570	100	761513.000	0.3549
2,6-Dinitrotoluene	25.0	152525.000	0.3082	80.0	584477.000	0.3028	100	657751.000	0.3066
2-Chloronaphthalene	25.0	644812.000	1.303	80.0	2328808.00	1.206	100	2783642.00	1.297
2-Chlorophenol	25.0	289748.000	1.384	80.0	1095891.00	1.346	100	1237699.00	1.368
2-Methylnaphthalene	25.0	559012.000	0.6940	80.0	2012735.00	0.6398	100	2248877.00	0.6415
2-Methylphenol	25.0	219458.000	1.048	80.0	832852.000	1.023	100	949424.000	1.049
2-Nitroaniline	25.0	206140.000	0.4165	80.0	721805.000	0.3739	100	799128.000	0.3725
3,3'-Dichlorobenzidine	25.0	359092.000	0.4707	80.0	1481764.00	0.4721	100	1678318.00	0.4904
3-,4-Methylphenol	25.0	282761.000	1.351	80.0	1055160.00	1.296	100	1190129.00	1.315
3-Nitroaniline	25.0	142912.000	0.2888	80.0	581597.000	0.3013	100	657182.000	0.3063
4,6-Dinitro-2-Methylphenol	25.0	108325.000	0.1424	80.0	495685.000	0.1642	100	573022.000	0.1727
4-Bromophenyl Phenyl Ether	25.0	196658.000	0.2586	80.0	803890.000	0.2663	100	909076.000	0.2740
4-Chloroaniline	25.0	343702.000	0.4267	80.0	1305308.00	0.4149	100	1438797.00	0.4104
4-Chlorophenyl Phenyl Ether	25.0	331051.000	0.6689	80.0	1278013.00	0.6620	100	1430410.00	0.6667
4-Nitroaniline	25.0	157187.000	0.3176	80.0	505644.000	0.2619	100	555824.000	0.2591
Acenaphthylene	25.0	886369.000	1.791	80.0	3187841.00	1.651	100	3559328.00	1.659
Anthracene	25.0	973981.000	1.281	80.0	3532696.00	1.170	100	3919658.00	1.181
Benzo[a]anthracene	25.0	1019557.00	1.336	80.0	3947464.00	1.258	100	4387158.00	1.282
Benzo[b]fluoranthene	25.0	1065374.00	1.597	80.0	4556538.00	1.714	100	5030045.00	1.750
Benzo[ghi]perylene	25.0	718299.000	1.076	80.0	2851077.00	1.073	100	3115715.00	1.084

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Version 1.6 PDF File ID: 562441
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INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS5

00061396

Analytical Method: 8270C

Initial Calibration Date: 05-SEP-06 12:08

Column ID: F

Analyte	WG221438-05			WG221438-06			WG221438-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Benzo[k]fluoranthene	25.0	969292.000	1.453	80.0	3920581.00	1.475	100	4513760.00	1.571
Benzoic Acid	25.0	42535.0000	0.05280	80.0	596659.000	0.1897	100	764965.000	0.2182
Benzyl Alcohol	25.0	176615.000	0.8437	80.0	682603.000	0.8385	100	780308.000	0.8621
Butyl Benzyl Phthalate	25.0	497315.000	0.6519	80.0	1686605.00	0.5373	100	1857841.00	0.5428
Chrysene	25.0	970940.000	1.273	80.0	3786671.00	1.206	100	4187457.00	1.224
Di-n-Butyl Phthalate	25.0	1084487.00	1.426	80.0	3715038.00	1.231	100	4087323.00	1.232
Dibenz[ah]anthracene	25.0	767460.000	1.150	80.0	3309381.00	1.245	100	3694517.00	1.286
Dibenzofuran	25.0	768819.000	1.554	80.0	2808508.00	1.455	100	3135998.00	1.462
Diethylphthalate	25.0	652402.000	1.318	80.0	2223274.00	1.152	100	2424278.00	1.130
Dimethylphthalate	25.0	646241.000	1.306	80.0	2355003.00	1.220	100	2614831.00	1.219
Fluorene	25.0	659307.000	1.332	80.0	2100312.00	1.088	100	2277845.00	1.062
Hexachlorobenzene	25.0	208941.000	0.2747	80.0	833831.000	0.2762	100	938475.000	0.2829
Hexachloroethane	25.0	139056.000	0.6643	80.0	490539.000	0.6025	100	553525.000	0.6116
Indeno[1,2,3-cd]pyrene	25.0	895017.000	1.341	80.0	3794803.00	1.428	100	4220992.00	1.469
Isophorone	25.0	537864.000	0.6678	80.0	1895559.00	0.6026	100	2111781.00	0.6024
Naphthalene	25.0	854304.000	1.061	80.0	3019620.00	0.9599	100	3378159.00	0.9636
Nitrobenzene	25.0	314982.000	0.3910	80.0	1122602.00	0.3568	100	1258525.00	0.3590
Phenanthrene	25.0	963997.000	1.268	80.0	3500878.00	1.160	100	3819433.00	1.151
Pyrene	25.0	1108735.00	1.453	80.0	4024407.00	1.282	100	4414297.00	1.290
bis(2-Chloroethoxy)methane	25.0	327187.000	0.4062	80.0	1181113.00	0.3754	100	1321522.00	0.3769
bis(2-Chloroethyl)ether	25.0	186583.000	0.8913	80.0	638978.000	0.7849	100	706831.000	0.7809
bis(2-Chloroisopropyl)ether	25.0	341400.000	1.631	80.0	1182180.00	1.452	100	1323249.00	1.462
bis(2-Ethylhexyl)phthalate	25.0	687703.000	0.9014	80.0	2441025.00	0.7777	100	2680901.00	0.7833

INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS5

00061397

Analytical Method: 8270C

Initial Calibration Date: 05-SEP-06 12:08

Column ID: F

Analyte	WG221438-08		
	CONC	RESP	RF
1,4-Dichlorobenzene	120	1720913.00	1.476
2,4,6-Trichlorophenol	120	1038037.00	0.3697
2,4-Dichlorophenol	120	1318358.00	0.2894
2-Nitrophenol	120	789898.000	0.1734
4-Chloro-3-Methylphenol	120	1327497.00	0.2914
Acenaphthene	120	2641520.00	0.9407
Benzo[a]pyrene	120	5528793.00	1.479
Di-n-Octyl Phthalate	120	5697409.00	1.524
Fluoranthene	120	5025822.00	1.160
Hexachlorobutadiene	120	906618.000	0.1990
Pentachlorophenol	120	613702.000	0.1417
Phenol	120	1703596.00	1.461
n-Nitrosodiphenylamine	120	2812237.00	0.6493
2,4-Dinitrophenol	120	456217.000	0.1625
4-Nitrophenol	120	653251.000	0.2326
Hexachlorocyclopentadiene	120	908120.000	0.3234
n-Nitrosodipropylamine	120	843334.000	0.7232
1,2,4-Trichlorobenzene	120	1459220.00	0.3204
1,2-Dichlorobenzene	120	1601533.00	1.373
1,3-Dichlorobenzene	120	1688488.00	1.448
2,4,5-Trichlorophenol	120	1104146.00	0.3932
2,4-Dimethylphenol	120	1255953.00	0.2757
2,4-Dinitrotoluene	120	922726.000	0.3286
2,6-Dinitrotoluene	120	847363.000	0.3018
2-Chloronaphthalene	120	3318991.00	1.182
2-Chlorophenol	120	1564181.00	1.341
2-Methylnaphthalene	120	2762179.00	0.6064
2-Methylphenol	120	1210918.00	1.038
2-Nitroaniline	120	975862.000	0.3475
3,3'-Dichlorobenzidine	120	2143047.00	0.4825
3-,4-Methylphenol	120	1499565.00	1.286
3-Nitroaniline	120	842998.000	0.3002
4,6-Dinitro-2-Methylphenol	120	740442.000	0.1710
4-Bromophenyl Phenyl Ether	120	1165012.00	0.2690
4-Chloroaniline	120	1805396.00	0.3964
4-Chlorophenyl Phenyl Ether	120	1789498.00	0.6373
4-Nitroaniline	120	639236.000	0.2276
Acenaphthylene	120	4332461.00	1.543
Anthracene	120	4687593.00	1.082
Benzo[a]anthracene	120	5451087.00	1.227
Benzo[b]fluoranthene	120	6754217.00	1.807
Benzo[ghi]perylene	120	3913581.00	1.047

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INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPMS5

00061398

Analytical Method: 8270C

Initial Calibration Date: 05-SEP-06 12:08

Column ID: F

Analyte	WG221438-08		
	CONC	RESP	RF
Benzo[k]fluoranthene	120	5504530.00	1.472
Benzoic Acid	120	1090122.00	0.2393
Benzyl Alcohol	120	995764.000	0.8539
Butyl Benzyl Phthalate	120	2195057.00	0.4943
Chrysene	120	5126044.00	1.154
Di-n-Butyl Phthalate	120	4947950.00	1.142
Dibenz[ah]anthracene	120	4693285.00	1.255
Dibenzofuran	120	3848808.00	1.371
Diethylphthalate	120	2904752.00	1.034
Dimethylphthalate	120	3301794.00	1.176
Fluorene	120	2705536.00	0.9635
Hexachlorobenzene	120	1169780.00	0.2701
Hexachloroethane	120	680095.000	0.5832
Indeno[1,2,3-cd]pyrene	120	5346102.00	1.430
Isophorone	120	2622498.00	0.5758
Naphthalene	120	4129443.00	0.9066
Nitrobenzene	120	1545539.00	0.3393
Phenanthrene	120	4632441.00	1.070
Pyrene	120	5276662.00	1.188
bis(2-Chloroethoxy)methane	120	1663273.00	0.3652
bis(2-Chloroethyl)ether	120	849775.000	0.7287
bis(2-Chloroisopropyl)ether	120	1610099.00	1.381
bis(2-Ethylhexyl)phthalate	120	3259602.00	0.7340

ALTERNATE SOURCE CALIBRATION REPORT

00061399

Login Number: L0608643 Run Date: 09/05/2006 Sample ID: WG221438-09
 Instrument ID: HPMS5 Run Time: 12:42 Method: 8270C
 File ID: 5M42076 Analyst: ALT
 ICal Workgroup: WG221438 Cal ID: HPMS5 - 05-SEP-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Phenol	CCC	50	53.6	1.64	7.2	ug/mL	
1,4-Dichlorobenzene	CCC	50	50.2	1.56	.3	ug/mL	
2-Nitrophenol	CCC	50	54.8	0.195	9.6	ug/mL	
2,4-Dichlorophenol	CCC	50	53.2	0.299	6.5	ug/mL	
Hexachlorobutadiene	CCC	50	50.9	0.211	1.8	ug/mL	
4-Chloro-3-Methylphenol	CCC	50	52.5	0.320	5	ug/mL	
2,4,6-Trichlorophenol	CCC	50	52.3	0.372	4.5	ug/mL	
Acenaphthene	CCC	50	52.7	1.15	5.3	ug/mL	
n-Nitrosodiphenylamine	CCC	50	40.1	0.560	19.7	ug/mL	
Pentachlorophenol	CCC	50	51.4	0.143	2.9	ug/mL	
Fluoranthene	CCC	50	53.9	1.39	7.8	ug/mL	
Di-n-Octyl Phthalate	CCC	50	53.5	1.71	7	ug/mL	
Benzo[a]pyrene	CCC	50	48.8	1.37	2.5	ug/mL	
n-Nitrosodipropylamine	SPCC	50	51.9	0.965	3.8	ug/mL	
Hexachlorocyclopentadiene	SPCC	50	42.9	0.270	14.2	ug/mL	
2,4-Dinitrophenol	SPCC	50	48.2	0.143	3.6	ug/mL	
4-Nitrophenol	SPCC	50	48.7	0.223	2.6	ug/mL	
bis(2-Chloroethyl)ether		50	53.0	0.888	6.1	ug/mL	
2-Chlorophenol		50	52.2	1.42	4.5	ug/mL	
1,3-Dichlorobenzene		50	50.7	1.53	1.4	ug/mL	
Benzyl Alcohol		50	53.7	0.887	7.4	ug/mL	
1,2-Dichlorobenzene		50	50.9	1.46	1.9	ug/mL	
2-Methylphenol		50	52.9	1.10	5.9	ug/mL	
3-,4-Methylphenol		50	60.4	1.58	20.9	ug/mL	
bis(2-Chloroisopropyl)ether		50	52.0	1.61	4	ug/mL	
Hexachloroethane		50	50.7	0.641	1.4	ug/mL	
Nitrobenzene		50	51.7	0.384	3.5	ug/mL	
Isophorone		50	48.1	0.603	3.8	ug/mL	
2,4-Dimethylphenol		50	54.2	0.330	8.3	ug/mL	
Benzoic Acid		50	68.5	0.225	36.9	ug/mL	*
bis(2-Chloroethoxy)methane		50	52.7	0.408	5.3	ug/mL	
1,2,4-Trichlorobenzene		50	50.2	0.341	.5	ug/mL	
Naphthalene		50	50.7	1.02	1.5	ug/mL	
4-Chloroaniline		50	47.2	0.389	5.5	ug/mL	
2-Methylnaphthalene		50	53.6	0.711	7.2	ug/mL	
2,4,5-Trichlorophenol		50	53.9	0.409	7.8	ug/mL	
2-Chloronaphthalene		50	43.5	1.11	13	ug/mL	
2-Nitroaniline		50	43.7	0.341	12.5	ug/mL	
Dimethylphthalate		50	50.6	1.27	1.3	ug/mL	
Acenaphthylene		50	50.0	1.70	0	ug/mL	
2,6-Dinitrotoluene		50	48.0	0.290	4.1	ug/mL	
3-Nitroaniline		50	47.9	0.284	4.2	ug/mL	

KEMRON FORMS - Modified 07/26/2006
 Version 1.5 PDF File ID: 562442
 Report generated 09/11/2006 15:35

ALTERNATE SOURCE CALIBRATION REPORT

00061400

Login Number: L0608643 Run Date: 09/05/2006 Sample ID: WG221438-09
 Instrument ID: HPMS5 Run Time: 12:42 Method: 8270C
 File ID: 5M42076 Analyst: ALT
 ICal Workgroup: WG221438 Cal ID: HPMS5 - 05-SEP-06

Analyte	Expected	Found	RF	%D	UNITS	Q
Dibenzofuran	50	52.3	1.58	4.7	ug/mL	
2,4-Dinitrotoluene	50	53.9	0.381	7.8	ug/mL	
Diethylphthalate	50	50.9	1.25	1.9	ug/mL	
4-Chlorophenyl Phenyl Ether	50	49.9	0.660	.2	ug/mL	
Fluorene	50	54.6	1.31	9.1	ug/mL	
4-Nitroaniline	50	53.5	0.303	7	ug/mL	
4,6-Dinitro-2-Methylphenol	50	50.4	0.157	.7	ug/mL	
4-Bromophenyl Phenyl Ether	50	51.7	0.270	3.4	ug/mL	
Hexachlorobenzene	50	50.3	0.276	.7	ug/mL	
Phenanthrene	50	51.8	1.25	3.7	ug/mL	
Anthracene	50	51.8	1.26	3.6	ug/mL	
Di-n-Butyl Phthalate	50	52.2	1.37	4.5	ug/mL	
Pyrene	50	51.8	1.41	3.6	ug/mL	
Butyl Benzyl Phthalate	50	51.7	0.607	3.4	ug/mL	
3,3'-Dichlorobenzidine	50	43.8	0.412	12.4	ug/mL	
Benzo[a]anthracene	50	49.5	1.28	1.1	ug/mL	
Chrysene	50	49.5	1.22	.9	ug/mL	
bis(2-Ethylhexyl)phthalate	50	51.1	0.848	2.2	ug/mL	
Benzo[b]fluoranthene	50	45.0	1.48	10	ug/mL	
Benzo[k]fluoranthene	50	48.8	1.45	2.3	ug/mL	
Indeno[1,2,3-cd]pyrene	50	50.5	1.38	1	ug/mL	
Dibenz[ah]anthracene	50	47.9	1.14	4.2	ug/mL	
Benzo[ghi]perylene	50	49.3	1.05	1.4	ug/mL	

* Exceeds %D Limit

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

CONTINUING CALIBRATION VERIFICATION (CCV)

00061401

Login Number: L0608643 Run Date: 09/07/2006 Sample ID: WG221739-02
 Instrument ID: HPMS5 Run Time: 14:34 Method: 8270C
 File ID: 5M42122 Analvst: ALT
 Workgroup (AAB#): WG221796 Cal ID: HPMS5 - 05-SEP-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Phenol	CCC	50000	52200	1.60	4.30	ug/L	
1,4-Dichlorobenzene	CCC	50000	52600	1.64	5.20	ug/L	
2-Nitrophenol	CCC	50000	54700	0.195	9.40	ug/L	
2,4-Dichlorophenol	CCC	50000	52800	0.297	5.60	ug/L	
Hexachlorobutadiene	CCC	50000	52200	0.217	4.40	ug/L	
4-Chloro-3-Methylphenol	CCC	50000	52600	0.320	5.20	ug/L	
2,4,6-Trichlorophenol	CCC	50000	52700	0.375	5.50	ug/L	
Acenaphthene	CCC	50000	54700	1.19	9.40	ug/L	
n-Nitrosodiphenylamine	CCC	50000	53300	0.744	6.60	ug/L	
Pentachlorophenol	CCC	50000	55600	0.155	11.2	ug/L	
Fluoranthene	CCC	50000	54300	1.40	8.60	ug/L	
Di-n-Octyl Phthalate	CCC	50000	57000	1.82	14.0	ug/L	
Benzo[a]pyrene	CCC	50000	52000	1.46	3.90	ug/L	
n-Nitrosodipropylamine	SPCC	50000	55600	1.03	11.1	ug/L	
Hexachlorocyclopentadiene	SPCC	50000	54200	0.341	8.40	ug/L	
2,4-Dinitrophenol	SPCC	50000	36300	0.101	27.4	ug/L	
4-Nitrophenol	SPCC	50000	45700	0.210	8.60	ug/L	
bis(2-Chloroethyl)ether		50000	52300	0.875	4.60	ug/L	
2-Chlorophenol		50000	51300	1.40	2.60	ug/L	
1,3-Dichlorobenzene		50000	52200	1.58	4.50	ug/L	
Benzyl Alcohol		50000	53000	0.874	6.00	ug/L	
1,2-Dichlorobenzene		50000	51800	1.49	3.50	ug/L	
2-Methylphenol		50000	50800	1.05	1.60	ug/L	
3-,4-Methylphenol		50000	52900	1.39	5.90	ug/L	
bis(2-Chloroisopropyl)ether		50000	50600	1.56	1.10	ug/L	
Hexachloroethane		50000	52900	0.668	5.70	ug/L	
Nitrobenzene		50000	52400	0.389	4.80	ug/L	
Isophorone		50000	52000	0.652	4.00	ug/L	
2,4-Dimethylphenol		50000	54300	0.331	8.60	ug/L	
Benzoic Acid		50000	26900	0.0356	46.2	ug/L	*
bis(2-Chloroethoxy)methane		50000	52600	0.407	5.20	ug/L	
1,2,4-Trichlorobenzene		50000	52000	0.353	4.00	ug/L	
Naphthalene		50000	53500	1.08	7.00	ug/L	
4-Chloroaniline		50000	54000	0.445	8.00	ug/L	
2-Methylnaphthalene		50000	53800	0.714	7.60	ug/L	
2,4,5-Trichlorophenol		50000	51700	0.392	3.30	ug/L	
2-Chloronaphthalene		50000	55700	1.42	11.5	ug/L	
2-Nitroaniline		50000	54500	0.424	9.00	ug/L	
Dimethylphthalate		50000	52400	1.32	4.80	ug/L	
Acenaphthylene		50000	53600	1.82	7.20	ug/L	
2,6-Dinitrotoluene		50000	51300	0.310	2.50	ug/L	
3-Nitroaniline		50000	51400	0.305	2.90	ug/L	

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CONTINUING CALIBRATION VERIFICATION (CCV)

00061402

Login Number: L0608643 Run Date: 09/07/2006 Sample ID: WG221739-02
 Instrument ID: HPMS5 Run Time: 14:34 Method: 8270C
 File ID: 5M42122 Analyst: ALT
 Workgroup (AAB#): WG221796 Cal ID: HPMS5 - 05-SEP-06

Analyte	Expected	Found	RF	%D	UNITS	Q
Dibenzofuran	50000	53600	1.61	7.30	ug/L	
2,4-Dinitrotoluene	50000	58000	0.410	16.0	ug/L	
Diethylphthalate	50000	55400	1.36	10.7	ug/L	
4-Chlorophenyl Phenyl Ether	50000	53700	0.710	7.40	ug/L	
Fluorene	50000	58800	1.41	17.7	ug/L	
4-Nitroaniline	50000	60900	0.344	21.7	ug/L	
4,6-Dinitro-2-Methylphenol	50000	44300	0.138	11.3	ug/L	
4-Bromophenyl Phenyl Ether	50000	51600	0.269	3.20	ug/L	
Hexachlorobenzene	50000	53700	0.295	7.40	ug/L	
Phenanthrene	50000	54200	1.31	8.40	ug/L	
Anthracene	50000	54400	1.32	8.80	ug/L	
Di-n-Butyl Phthalate	50000	54100	1.42	8.20	ug/L	
Pyrene	50000	51900	1.41	3.80	ug/L	
Butyl Benzyl Phthalate	50000	51800	0.609	3.70	ug/L	
3,3'-Dichlorobenzidine	50000	48900	0.460	2.20	ug/L	
Benzo[a]anthracene	50000	51400	1.33	2.70	ug/L	
Chrysene	50000	51600	1.27	3.10	ug/L	
bis(2-Ethylhexyl)phthalate	50000	50900	0.846	1.90	ug/L	
Benzo[b]fluoranthene	50000	54300	1.79	8.60	ug/L	
Benzo[k]fluoranthene	50000	52600	1.57	5.30	ug/L	
Indeno[1,2,3-cd]pyrene	50000	51100	1.40	2.30	ug/L	
Dibenz[ah]anthracene	50000	51200	1.21	2.40	ug/L	
Benzo[ghi]perylene	50000	50800	1.08	1.60	ug/L	

* Exceeds %D Criteria

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

CONTINUING CALIBRATION VERIFICATION (CCV)

00061403

Login Number: L0608643 Run Date: 09/08/2006 Sample ID: WG221795-02
 Instrument ID: HPMS5 Run Time: 10:13 Method: 8270C
 File ID: 5M42150 Analvst: ALT
 Workgroup (AAB#): WG221796 Cal ID: HPMS5 - 05-SEP-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Phenol	CCC	50000	53400	1.63	6.70	ug/L	
1,4-Dichlorobenzene	CCC	50000	53200	1.65	6.30	ug/L	
2-Nitrophenol	CCC	50000	55900	0.200	11.9	ug/L	
2,4-Dichlorophenol	CCC	50000	53400	0.300	6.80	ug/L	
Hexachlorobutadiene	CCC	50000	52900	0.220	5.80	ug/L	
4-Chloro-3-Methylphenol	CCC	50000	53400	0.325	6.70	ug/L	
2,4,6-Trichlorophenol	CCC	50000	53700	0.382	7.30	ug/L	
Acenaphthene	CCC	50000	56500	1.23	12.9	ug/L	
n-Nitrosodiphenylamine	CCC	50000	54100	0.754	8.10	ug/L	
Pentachlorophenol	CCC	50000	59300	0.165	18.6	ug/L	
Fluoranthene	CCC	50000	55100	1.42	10.2	ug/L	
Di-n-Octyl Phthalate	CCC	50000	52100	1.66	4.30	ug/L	
Benzo[a]pyrene	CCC	50000	52000	1.47	4.00	ug/L	
n-Nitrosodipropylamine	SPCC	50000	56600	1.05	13.3	ug/L	
Hexachlorocyclopentadiene	SPCC	50000	58900	0.371	17.8	ug/L	
2,4-Dinitrophenol	SPCC	50000	46700	0.138	6.70	ug/L	
4-Nitrophenol	SPCC	50000	55700	0.255	11.4	ug/L	
bis(2-Chloroethyl)ether		50000	52700	0.882	5.40	ug/L	
2-Chlorophenol		50000	52100	1.42	4.30	ug/L	
1,3-Dichlorobenzene		50000	52200	1.57	4.30	ug/L	
Benzyl Alcohol		50000	54500	0.900	9.10	ug/L	
1,2-Dichlorobenzene		50000	51500	1.48	3.00	ug/L	
2-Methylphenol		50000	52200	1.08	4.40	ug/L	
3-,4-Methylphenol		50000	53900	1.41	7.80	ug/L	
bis(2-Chloroisopropyl)ether		50000	49700	1.54	0.600	ug/L	
Hexachloroethane		50000	53300	0.674	6.60	ug/L	
Nitrobenzene		50000	52500	0.390	5.00	ug/L	
Isophorone		50000	51700	0.648	3.40	ug/L	
2,4-Dimethylphenol		50000	55800	0.340	11.5	ug/L	
Benzoic Acid		50000	44400	0.104	11.2	ug/L	
bis(2-Chloroethoxy)methane		50000	52600	0.407	5.10	ug/L	
1,2,4-Trichlorobenzene		50000	52800	0.358	5.70	ug/L	
Naphthalene		50000	53500	1.08	6.90	ug/L	
4-Chloroaniline		50000	54300	0.448	8.70	ug/L	
2-Methylnaphthalene		50000	53900	0.716	7.90	ug/L	
2,4,5-Trichlorophenol		50000	53000	0.402	6.10	ug/L	
2-Chloronaphthalene		50000	55400	1.41	10.8	ug/L	
2-Nitroaniline		50000	54900	0.428	9.90	ug/L	
Dimethylphthalate		50000	53000	1.33	6.00	ug/L	
Acenaphthylene		50000	53900	1.83	7.80	ug/L	
2,6-Dinitrotoluene		50000	51100	0.309	2.30	ug/L	
3-Nitroaniline		50000	50800	0.301	1.50	ug/L	

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CONTINUING CALIBRATION VERIFICATION (CCV)

00061404

Login Number: L0608643 Run Date: 09/08/2006 Sample ID: WG221795-02
 Instrument ID: HPMS5 Run Time: 10:13 Method: 8270C
 File ID: 5M42150 Analvst: ALT
 Workgroup (AAB#): WG221796 Cal ID: HPMS5 - 05-SEP-06

Analyte	Expected	Found	RF	%D	UNITS	Q
Dibenzofuran	50000	54100	1.63	8.30	ug/L	
2,4-Dinitrotoluene	50000	59400	0.419	18.7	ug/L	
Diethylphthalate	50000	56000	1.37	12.0	ug/L	
4-Chlorophenyl Phenyl Ether	50000	54400	0.719	8.80	ug/L	
Fluorene	50000	60700	1.45	21.4	ug/L	
4-Nitroaniline	50000	62800	0.355	25.6	ug/L	
4,6-Dinitro-2-Methylphenol	50000	48900	0.153	2.10	ug/L	
4-Bromophenyl Phenyl Ether	50000	52000	0.271	4.00	ug/L	
Hexachlorobenzene	50000	55600	0.305	11.2	ug/L	
Phenanthrene	50000	55000	1.33	10.0	ug/L	
Anthracene	50000	54600	1.33	9.30	ug/L	
Di-n-Butyl Phthalate	50000	54500	1.43	9.00	ug/L	
Pyrene	50000	50500	1.37	1.00	ug/L	
Butyl Benzyl Phthalate	50000	51300	0.603	2.70	ug/L	
3,3'-Dichlorobenzidine	50000	49600	0.467	0.700	ug/L	
Benzo[a]anthracene	50000	51400	1.33	2.70	ug/L	
Chrysene	50000	50100	1.24	0.200	ug/L	
bis(2-Ethylhexyl)phthalate	50000	49900	0.829	0.200	ug/L	
Benzo[b]fluoranthene	50000	51700	1.70	3.30	ug/L	
Benzo[k]fluoranthene	50000	54400	1.62	8.70	ug/L	
Indeno[1,2,3-cd]pyrene	50000	60400	1.65	20.9	ug/L	
Dibenz[ah]anthracene	50000	60300	1.43	20.6	ug/L	
Benzo[ghi]perylene	50000	61400	1.31	22.8	ug/L	

* Exceeds %D Criteria

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061405

Login Number: L0608643
Instrument ID: HPMS5
Workgroup (AAB#): WG221796

CCV Number: WG221739-02
CAL ID: HPMS5 - 05-SEP-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
WG221739-02	NA	NA	250653	613695	1055132	989380	815383	973896
Upper Limit	NA	NA	501306	1227390	2110264	1978760	1630766	1947792
Lower Limit	NA	NA	125327	306848	527566	494690	407692	486948
L0608643-01	1.00	01	226957	543444	861072	878476	631236	831952
L0608643-03	1.00	01	220102	533090	843724	860100	599926	819552
L0608643-04	1.00	01	228462	545089	852750	884151	650008	832064
L0608643-05	5.00	DL01	227069	546794	860335	881557	587502	839432
L0608643-06	1.00	01	225489	532443	837180	869619	634385	814248
L0608643-07	1.00	01	219561	528754	832033	855133	577638	815447
L0608643-09	1.00	01	220977	548147	926660	989564	681799	853924
L0608643-10	1.00	01	235682	578557	993477	1042358	705733	907119
WG221298-03	1.00	01	244697	585037	906948	948578	694029	890603
WG221298-04	1.00	01	242614	595193	1012241	1050079	771990	921624

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Acenaphthene-d10
IS-3 - Chrysene-d12
IS-4 - Naphthalene-D8
IS-5 - Perylene-d12
IS-6 - Phenanthrene-d10

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061406

Login Number: L0608643
Instrument ID: HPMS5
Workgroup (AAB#): WG221796

CCV Number: WG221795-02
CAL ID: HPMS5 - 05-SEP-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
WG221795-02	NA	NA	236410	576688	1016243	938413	830012	911234
Upper Limit	NA	NA	472820	1153376	2032486	1876826	1660024	1822468
Lower Limit	NA	NA	118205	288344	508122	469207	415006	455617
L0608643-02	20.0	DL01	208995	504745	796203	819909	653552	778709

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Acenaphthene-d10
IS-3 - Chrysene-d12
IS-4 - Naphthalene-D8
IS-5 - Perylene-d12
IS-6 - Phenanthrene-d10

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061407

Login Number: L0608643
Instrument ID: HPMS5
Workgroup (AAB#): WG221796

CCV Number: WG221739-02
CAL ID: HPMS5 - 05-SEP-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
WG221739-02	NA	NA	9.06	12.76	17.19	10.65	19.5	14.39
Upper Limit	NA	NA	9.56	13.26	17.69	11.15	20	14.89
Lower Limit	NA	NA	8.56	12.26	16.69	10.15	19	13.89
L0608643-01	1.00	01	9.06	12.76	17.19	10.65	19.49	14.39
L0608643-03	1.00	01	9.06	12.76	17.19	10.65	19.49	14.39
L0608643-04	1.00	01	9.06	12.76	17.19	10.65	19.49	14.39
L0608643-05	5.00	DL01	9.06	12.76	17.19	10.65	19.49	14.39
L0608643-06	1.00	01	9.06	12.76	17.19	10.65	19.49	14.39
L0608643-07	1.00	01	9.06	12.76	17.19	10.65	19.49	14.39
L0608643-09	1.00	01	9.06	12.76	17.19	10.66	19.49	14.39
L0608643-10	1.00	01	9.06	12.76	17.19	10.65	19.49	14.39
WG221298-03	1.00	01	9.06	12.76	17.19	10.65	19.49	14.39
WG221298-04	1.00	01	9.06	12.76	17.19	10.65	19.49	14.39

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Acenaphthene-d10
IS-3 - Chrysene-d12
IS-4 - Naphthalene-D8
IS-5 - Perylene-d12
IS-6 - Phenanthrene-d10

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061408

Login Number: L0608643
Instrument ID: HPMS5
Workgroup (AAB#): WG221796

CCV Number: WG221795-02
CAL ID: HPMS5 - 05-SEP-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
WG221795-02	NA	NA	9	12.71	17.13	10.6	19.39	14.34
Upper Limit	NA	NA	9.5	13.21	17.63	11.1	19.89	14.84
Lower Limit	NA	NA	8.5	12.21	16.63	10.1	18.89	13.84
L0608643-02	20.0	DL01	9	12.71	17.12	10.6	19.38	14.34

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Acenaphthene-d10
IS-3 - Chrysene-d12
IS-4 - Naphthalene-D8
IS-5 - Perylene-d12
IS-6 - Phenanthrene-d10

Underline = Response outside limits

KEMRON Environmental Services
Data Checklist

00061409

Date: 11-SEP-2006
 Analyst: HAV
 Analyst: NA
 Method: TX-T1005
 Instrument: HP14
 Curve Workgroup: WG222034
 Runlog ID: 12206
 Analytical Workgroups: L0608643, L0608645

Runlog ID number:	12206
System Performance Check	NA
DFTPP	NA
Endrin/DDT Breakdown	NA
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples	X
TCL Hits	X
Spectra of TCL Hits	NA
Surrogates	X
Internal Standards Criteria	NA
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	
Reruns	
Manual Integrations	NA
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	HAV
Secondary Reviewer	MDC
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	NA
Check the reasonableness of the results	X

Primary Reviewer:
12-SEP-2006



Secondary Reviewer:
12-SEP-2006



Generated: SEP-12-2006 14:58:26

KEMRON Environmental Services

Instrument Run Log

00061410

Instrument: HP14 Dataset: 091106
 Analyst1: HAV Analyst2: NA
 Method: TX-T1005 SOP: GCSOP5 Rev: 4

Maintenance Log ID: _____

Workgroups: Column 1 ID: RTX-5 Column 2 ID: NA

Internal STD: NA Surrogate STD: NA Calibration STD _____

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	14G9183	pentane	1	1		09/11/06 13:55
2	14G9184	WIN DEF STD	1	1	SOS78-19	09/11/06 11:46
3	14G9185	TPH CCV @1000ppm	1	1		09/11/06 16:13
4	14G9186	WG222034-01 TPH @1000ppm	1	1	STD14961	09/11/06 17:12
5	14G9187	WG222034-02 TPH @5000ppm	1	1	STD14961	09/11/06 17:53
6	14G9188	WG222034-03 TPH @2500ppm	1	1	STD14961	09/11/06 18:33
7	14G9189	WG222034-04 TPH @1000ppm	1	1	STD14961	09/11/06 19:13
8	14G9190	WG222034-05 TPH @500ppm	1	1	STD14961	09/11/06 19:53
9	14G9191	WG222034-06 TPH @50ppm	1	1	STD14961	09/11/06 20:33
10	14G9192	WG222034-07 ALT TPH @1000ppm	1	1	STD13641/	09/11/06 21:13
11	14G9193	WG221521-01 BLANK V14-P24	7	1		09/11/06 21:53
12	14G9194	WG221521-02 LCS V14-P24	7	1		09/11/06 22:33
13	14G9195	WG221521-03 REF L0608643-01	7	1		09/11/06 23:13
14	14G9196	L0608643-02	7	1		09/11/06 23:54
15	14G9197	L0608643-03	7	1		09/12/06 00:34
16	14G9198	L0608643-04	7	1		09/12/06 01:15
17	14G9199	L0608643-05	7	1		09/12/06 01:55
18	14G9200	L0608643-06	7	1		09/12/06 02:36
19	14G9201	L0608643-07 DUP	7	1		09/12/06 03:16
20	14G9202	WG221521-04 MS L0608643-09	7	1		09/12/06 03:57
21	14G9203	WG222035-01 TPH CCV @1000ppm	1	1	STD14961	09/12/06 04:37
22	14G9204	L0608645-02	7	1		09/12/06 05:18
23	14G9205	L0608645-03	7	1		09/12/06 05:58
24	14G9206	L0608645-04	7	1		09/12/06 06:39
25	14G9207	L0608645-05	7	1		09/12/06 07:19
26	14G9208	L0608645-06	7	1		09/12/06 08:00
27	14G9209	L0608645-07 DUP	7	1		09/12/06 08:40
28	14G9210	WG221521-05 MSD L0608643-10	7	1		09/12/06 09:21
29	14G9211	WG221521-06 REF L0608645-01	7	1		09/12/06 10:01
30	14G9212	WG221521-07 MS L0608645-09	7	1		09/12/06 10:41
31	14G9213	WG221521-08 MSD L0608645-10	7	1		09/12/06 11:21
32	14G9214	WG222035-02 TPH CCV @1000ppm	1	1	STD14961	09/12/06 12:02

Comments

Seq.	Rerun	Dil.	Reason	Analytes

Page: 1 of 1

Approved: 12-SEP-06



gaw
1: 6



Semivolatle Sample Extract Log Sheet

Document Control No.: FX0014 Page: 24 of 50

Parameter: G1005 Matrix: SO:1
 SOP# GESOP5 Rev. # 4
 Analyst: HV Date/Time Extracted: 9-5-06 @ 12:00
 Spike/Surrogate analyst: HV Witness: JES
 Surrogate #: SPD1371
 Spike # A: SPD1307B Spike # B: UFO225
 Ext Solvent: Pentane Lot#: UFO225
 Ext Solvent: Lot#:
 Ext Disk: Lot#:

Color Code
 T = Transparent
 C = Colored
 O = Opaque

Reagent: Lot #
 Reagent: Lot #
 Other: DJ-Water Lot#:
Methanol HP LC grade

	Sample ID	Test Code	pH	Initial Wt / Vol	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Comments
1	Blank	G1005		10.0g	200 ul		10.0ml		DJ-Water > 2ml ea. to all
2	LC5					1000 ul			Methanol
3	10608643-01 REF.			10.12					
4	-02			10.16					
5	-03			10.17					
6	-04			10.23					
7	-05			10.25					
8	-06			10.10					
9	-07 Dup.			10.15					
10	-09 MS			10.16		1000 ul			
11	-10 MSD			10.11					
12	10608645-01 Ref.			10.22					
13	-02			10.20					
14	-03			10.21					
15	-04			10.16					
16	-05			10.20					
17	-06			10.02					
18	-07 Dup.			10.16					
19	-09 MS			10.24		1000 ul			
20	-10 MSD			10.21					
21							10.0ml		
22							HV 9-5-06		
23									
24									

00061411

Reviewed by:

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061412

Analytical Method: T1005
Login Number: L0608643

AAB#: WG221525

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
06SB01-01	08/29/06	08/30/06	09/05/06	14	6.86	09/11/06	14	6.47	
06SB01-02	08/29/06	08/30/06	09/05/06	14	6.85	09/11/06	14	6.50	
06SB02-01	08/29/06	08/30/06	09/05/06	14	6.85	09/12/06	14	6.52	
06SB02-02	08/29/06	08/30/06	09/05/06	14	6.84	09/12/06	14	6.55	
06SB03-01	08/29/06	08/30/06	09/05/06	14	6.84	09/12/06	14	6.58	
06SB03-02	08/29/06	08/30/06	09/05/06	14	6.83	09/12/06	14	6.61	
06SB01-01-QC	08/29/06	08/30/06	09/05/06	14	6.86	09/12/06	14	6.64	
06SB01-01	08/29/06	08/30/06	09/05/06	14	6.86	09/12/06	14	6.66	
06SB01-01	08/29/06	08/30/06	09/05/06	14	6.86	09/12/06	14	6.89	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

00061413

Login Number: L0608643
 Instrument Id: HP14
 Workgroup (AAB#): WG221525

Method: T1005
 CAL ID: HP14 - 11-SEP-06
 Matrix: SOLID

Sample Number	Dilution	Tag	1	2
L0608643-01	1.00	01	109	114
L0608643-02	1.00	01	109	114
L0608643-03	1.00	01	107	115
L0608643-04	1.00	01	103	108
L0608643-05	1.00	01	102	111
L0608643-06	1.00	01	109	117
L0608643-07	1.00	01	102	107
L0608643-09	1.00	01	103	107
L0608643-10	1.00	01	95.9	99.1
WG221521-01	1.00	01	104	109
WG221521-02	1.00	01	97.9	103

Surrogates	Surrogate Limits
1 - Chlorobenzene	31 - 130
2 - o-Terphenyl	70 - 130

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

METHOD BLANK SUMMARY

00061414

Login Number: L0608643	Work Group: WG221525
Blank File ID: 14G9193	Blank Sample ID: WG221521-01
Date Analyzed: 09/11/06	Instrument ID: HP14
Time Analyzed: 21:53	Method: T1005
Analyst: HAV	

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG221521-02	14G9194	09/11/06 22:33	01
06SB01-01	L0608643-01	14G9195	09/11/06 23:13	01
06SB01-02	L0608643-02	14G9196	09/11/06 23:54	01
06SB02-01	L0608643-03	14G9197	09/12/06 00:34	01
06SB02-02	L0608643-04	14G9198	09/12/06 01:15	01
06SB03-01	L0608643-05	14G9199	09/12/06 01:55	01
06SB03-02	L0608643-06	14G9200	09/12/06 02:36	01
06SB01-01-QC	L0608643-07	14G9201	09/12/06 03:16	01
06SB01-01	L0608643-09	14G9202	09/12/06 03:57	01
06SB01-01	L0608643-10	14G9210	09/12/06 09:21	01

METHOD BLANK REPORT

00061415

Login Number: L0608643 Run Date: 09/11/2006 Sample ID: WG221521-01
Instrument ID: HP14 Run Time: 21:53 Prep Method: METHOD
File ID: 14G9193 Analyst: HAV Method: T1005
Workgroup (AAB#): WG221525 Matrix: Solid Units: mg/kg
Contract #: DACA56-94-D-0020 Cal ID: HP14-11-SEP-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Carbon Range C6-C12	25.0	50.0	25.0	1	U
Carbon Range C12-C28	25.0	50.0	25.0	1	U
Carbon Range C28-C35	25.0	50.0	38.0	1	J

Surrogates	% Recovery	Surrogate Limits	Qualifier
Chlorobenzene	104	31 - 130	PASS
o-Terphenyl	109	70 - 130	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

LABORATORY CONTROL SAMPLE (LCS)

00061416

Login Number: L0608643 Run Date: 09/11/2006 Sample ID: WG221521-02
Instrument ID: HP14 Run Time: 22:33 Prep Method: METHOD
File ID: 14G9194 Analyst: HAV Method: T1005
Workgroup (AAB#): WG221525 Matrix: Solid Units: mg/kg
Contract #: DACA56-94-D-0020 Cal ID: HP14-11-SEP-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Carbon Range C6-C35	1000	1010	101	75 - 125	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Chlorobenzene	97.9	31 - 130	PASS
o-Terphenyl	103	70 - 130	PASS

* FAILS %REC LIMIT

MS/MSD REPORT

Loginnum: L0608643 Cal ID: HP14 - 11-SEP-06 Worknum: 00061417
 Instrument ID: HP14 Contract #: DACA56-94-D-0020 Prep Method: METHOD
 Parent ID: L0608643-01 File ID: 14G9195 Dil: 1 Method: T1005
 Sample ID: L0608643-09 MS File ID: 14G9202 Dil: 1 Matrix: Soil
 Sample ID: L0608643-10 MSD File ID: 14G9210 Dil: 1 Units: mg/kg
 Percent Solid: 91.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Carbon Range C6-C35	123	1080	1120	92.2	1090	1040	84.1	7.62	75 - 125	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

INITIAL CALIBRATION SUMMARY

00061418

Login Number: L0608643
Analytical Method: T1005
ICAL Workgroup: WG222034

Instrument ID: HP14
Initial Calibration Date: 11-SEP-06 20:33
Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
Carbon Range C12-C28		13650	12.7		
Carbon Range C28-C35		2823	188	0.383	
Carbon Range C6-C12		8359	7.09		
Carbon Range C6-C35		19000	5.07		

INITIAL CALIBRATION DATA

Login Number: **L0608643**Instrument ID: **HP14** **00061419**Analytical Method: **T1005**Initial Calibration Date: **11-SEP-06 20:33**Column ID: **F**

Analyte	WG222034-01			WG222034-02			WG222034-03		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Carbon Range C12-C28	10000	129011148	12900	5000	62958689.0	12590	2500	33266830.0	13310
Carbon Range C28-C35	10000	249579.000	24.96	5000	682361.000	136.5	2500	1050613.00	420.2
Carbon Range C6-C12	10000	89387551.0	8939	5000	41828850.0	8366	2500	22036804.0	8815
Carbon Range C6-C35	10000	183298303	18330	5000	89124728.0	17820	2500	48092896.0	19240

INITIAL CALIBRATION DATA

Login Number: **L0608643**Instrument ID: **HP14****00061420**Analytical Method: **T1005**Initial Calibration Date: **11-SEP-06 20:33**Column ID: **F**

Analyte	WG222034-05			WG222034-06		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Range C12-C28	500	6371461.00	12740	50.0	836311.000	16730
Carbon Range C28-C35	500	633495.000	1267	50.0	613270.000	12270
Carbon Range C6-C12	500	4120065.00	8240	50.0	371905.000	7438
Carbon Range C6-C35	500	9649295.00	19300	50.0	1015803.00	20320

ALTERNATE SOURCE CALIBRATION REPORT

00061421

Login Number: L0608643 Run Date: 09/11/2006 Sample ID: WG222034-07
Instrument ID: HP14 Run Time: 21:13 Method: T1005
File ID: 14G9192 Analyst: HAV
ICal Workgroup: WG222034 Cal ID: HP14 - 11-SEP-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Carbon Range C6-C12		1000	516	9880	48.4	mg/L	*
Carbon Range C12-C28		1000	664	12700	33.6	mg/L	*
Carbon Range C28-C35		1000	55.1	1050	94.5	mg/L	*
Carbon Range C6-C35		1000	1100	21000	10	mg/L	

* Exceeds %D Limit

CONTINUING CALIBRATION VERIFICATION (CCV)

00061422

Login Number: L0608643 Run Date: 09/11/2006 Sample ID: WG222034-04
Instrument ID: HP14 Run Time: 19:13 Method: T1005
File ID: 14G9189 Analvst: HAV
Workgroup (AAB#): WG221525 Cal ID: HP14 - 11-SEP-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Carbon Range C6-C35		1000	999	19800	0.100	mg/L	

* Exceeds %D Criteria

CONTINUING CALIBRATION VERIFICATION (CCV)

00061423

Login Number: L0608643 Run Date: 09/12/2006 Sample ID: WG222035-01
Instrument ID: HP14 Run Time: 04:37 Method: T1005
File ID: 14G9203 Analvst: HAV
Workgroup (AAB#): WG221525 Cal ID: HP14 - 11-SEP-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Carbon Range C6-C35		1000	990	18900	1.00	mg/L	

* Exceeds %D Criteria

CONTINUING CALIBRATION VERIFICATION (CCV)

00061424

Login Number: L0608643 Run Date: 09/12/2006 Sample ID: WG222035-02
Instrument ID: HP14 Run Time: 12:02 Method: T1005
File ID: 14G9214 Analvst: HAV
Workgroup (AAB#): WG221525 Cal ID: HP14 - 11-SEP-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Carbon Range C6-C35		1000	974	18600	2.60	mg/L	

* Exceeds %D Criteria

KEMRON Environmental Services
Data Checklist

00061425

Date: 10 - AUG - 2006
 Analyst: JLS
 Analyst: NA
 Method: 8330
 Instrument: HPLC4
 Curve Workgroup: NA
 Runlog ID: 11718
 Analytical Workgroups: L0607001,002 QMDL'S L0607333 DUE 8/1/06

Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples	X
TCL Hits	X
Confirmations	X
Surrogates	X
Calculations & Correct Factors	X
Dilutions Run	NA
Reruns	NA
Manual Integrations	X
Integrations digitally signed	X
Case Narrative	NA
KEMRON .pdf forms	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	JLS
Secondary Reviewer	MDC
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	NA
Check the resonableness of the results	X
Comments	

Primary Reviewer:
14 - AUG - 2006



Secondary Reviewer:
14 - AUG - 2006



Generated: AUG -14 -2006 13:02:33

KEMRON Environmental Services Data Checklist

00061426

Date: 06-SEP-2006
 Analyst: JLS
 Analyst: NA
 Method: 8330
 Instrument: HPLC4
 Curve Workgroup: NA
 Runlog ID: 12121
 Analytical Workgroups: L0608643 DUE 9/8/06

Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples	X
TCL Hits	X
Confirmations	X
Surrogates	X
Calculations & Correct Factors	X
Dilutions Run	NA
Reruns	X
Manual Integrations	X
Integrations digitally signed	X
Case Narrative	NA
KEMRON .pdf forms	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	JLS
Secondary Reviewer	MDC
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	NA
Check the resonableness of the results	X
Comments	

Primary Reviewer:
07-SEP-2006



Secondary Reviewer:
07-SEP-2006



Generated: SEP-07-2006 13:07:04

KEMRON Environmental Services Data Checklist

00061427

Date: 08-SEP-2006
 Analyst: JLS
 Analyst: NA
 Method: 8330
 Instrument: HPLC4
 Curve Workgroup: NA
 Runlog ID: 12176
 Analytical Workgroups: L0608643 DUE 9/8, L0609004 DUE 9/12 F3

Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples	X
TCL Hits	X
Confirmations	X
Surrogates	X
Calculations & Correct Factors	X
Dilutions Run	X
Reruns	X
Manual Integrations	X
Integrations digitally signed	X
Case Narrative	NA
KEMRON .pdf forms	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	JLS
Secondary Reviewer	MDC
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	NA
Check the resonableness of the results	X
Comments	

Primary Reviewer:
11-SEP-2006



Secondary Reviewer:
11-SEP-2006



Generated: SEP-11-2006 13:00:21

KEMRON Environmental Services

Instrument Run Log

00061428

Instrument: HPLC4 Dataset: 081006
 Analyst1: JLS Analyst2: NA
 Method: 8330 SOP: HPLC02 Rev: 8

Maintenance Log ID: 15141Column 1 ID: ULTRACARB 5 ODSColumn 2 ID: NAWorkgroups: WG219024, WG217741Internal Standard: NA Surrogate Standard: STD13480

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	4L008947.F	WG219506-01 STD6	1	1		08/10/06 16:24
2	4L008948.F	WG219506-02 STD5	1	1		08/10/06 17:01
3	4L008949.F	WG219506-03 STD4	1	1		08/10/06 17:38
4	4L008950.F	WG219506-04 STD3	1	1		08/10/06 18:16
5	4L008951.F	WG219506-05 STD2	1	1		08/10/06 18:53
6	4L008952.F	WG219506-06 STD1	1	1		08/10/06 19:30
7	4L008953.F	WG219506-07 ALT	1	1		08/10/06 20:07
8	4L008954.F	WG218108-01 BLK	1	1		08/10/06 20:44
22	4L008955.F	WG218108-02 LCS	1	1		08/10/06 21:22
23	4L008956.F	WG218108-03 LCS2	1	1		08/10/06 21:59
11	4L008957.F	L0607001-01	1	1		08/10/06 22:36
12	4L008958.F	L0607002-01	1	1		08/10/06 23:13
13	4L008959.F	L0607333-01	1	1		08/10/06 23:50
14	4L008960.F	L0607333-02	1	1		08/11/06 00:28
24	4L008961.F	WG216614-01 BLK	7	1		08/11/06 01:05
25	4L008962.F	WG216614-02 LCS	7	1		08/11/06 01:42
17	4L008963.F	WG216614-02 LCS	7	1		08/11/06 02:19
18	4L008964.F	WG219523-01 CCV	1	1		08/11/06 02:56
19	4L008965.F	L0607003-01	7	1		08/11/06 03:34
20	4L008966.F	L0607004-01	7	1		08/11/06 04:11
21	4L008967.F	WG219523-02 CCV	1	1		08/11/06 04:48

Comments

Seq.	Rerun	Dil.	Reason	Analytes
11	X			
To confirm the blob at the end of the run.				



KEMRON Environmental Services

Instrument Run Log

00061429

Instrument: HPLC4 Dataset: 090606
 Analyst1: JLS Analyst2: NA
 Method: 8330 SOP: HPLC02 Rev: 8

Maintenance Log ID: 15507

Column 1 ID: ULTRACARB 5 ODS Column 2 ID: NA
 Workgroups: WG221609
 Internal STD: NA Surrogate STD: STD14513 Calibration STD:

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	4L009115.F	BLANK SOLVENT	1	1		09/06/06 11:56
2	4L009116.F	WG221610-01 CCV	1	1		09/06/06 12:33
3	4L009117.F	WG221209-02 BLK	7	1		09/06/06 13:18
4	4L009118.F	WG221209-03 LCS	7	1		09/06/06 13:55
5	4L009119.F	L0608643-01	7	1		09/06/06 14:32
6	4L009120.F	L0608643-02	7	1		09/06/06 15:09
7	4L009121.F	L0608643-03	7	1		09/06/06 15:47
8	4L009122.F	L0608643-04	7	1		09/06/06 16:24
9	4L009123.F	L0608643-05	7	1		09/06/06 17:01
10	4L009124.F	L0608643-06	7	1		09/06/06 17:38
11	4L009125.F	L0608643-07	7	1		09/06/06 18:15
12	4L009126.F	WG221610-02 CCV	1	1		09/06/06 18:53
13	4L009127.F	L0608643-09 MS	7	1		09/06/06 19:30
14	4L009128.F	L0608643-10 MSD	7	1		09/06/06 20:07
15	4L009129.F	WG221610-03 CCV	1	1		09/06/06 20:44

Comments

Seq.	Rerun	Dil.	Reason	Analytes
12	X		Check Standard Failure	
13	X		Check Standard Failure	
14	X		Check Standard Failure	
15	X		Check Standard Failure	



KEMRON Environmental Services

Instrument Run Log

00061430

Instrument: HPLC4 Dataset: 090806
 Analyst1: JLS Analyst2: NA
 Method: 8330 SOP: HPLC02 Rev: 8

Maintenance Log ID: 15564

Column 1 ID: ULTRACARB 5 ODS Column 2 ID: NA
 Workgroups: WG221826/WG221609
 Internal STD: NA Surrogate STD: STD14513 Calibration STD:

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	4L009134.F	WG221825-01 CCV	1	1		09/08/06 13:57
2	4L009135.F	L0608643-09 MS	7	1		09/08/06 14:43
3	4L009136.F	L0608643-10 MSD	7	1		09/08/06 15:20
4	4L009137.F	WG221825-02 CCV	1	1		09/08/06 15:57
5	4L009138.F	WG221670-01 BLK	7	1		09/08/06 16:34
6	4L009139.F	WG221670-02 LCS	7	1		09/08/06 17:11
14	4L009140.F	WG221670-03 LCS2	7	1		09/08/06 17:49
7	4L009141.F	L0609004-01	7	1		09/08/06 18:26
8	4L009142.F	L0609004-02	7	1		09/08/06 19:03
9	4L009143.F	L0609004-03	7	1		09/08/06 19:40
10	4L009144.F	L0609004-04	7	1		09/08/06 20:17
11	4L009145.F	L0609004-05	7	1		09/08/06 20:55
12	4L009146.F	L0609004-06	7	1		09/08/06 21:32
13	4L009147.F	WG221825-03 CCV	1	1		09/08/06 22:09

Comments

Seq.	Rerun	Dil.	Reason	Analytes
6	X			
7	X	10	Over Calibration Range	2,4,6-Trinitrotoluene
8	X	10	Over Calibration Range	4-amino-4,6-dinitrotoluene



Sample Extraction Log Sheet – Method 8330 / Explosives

Analyst: CEB
Date: 8-31-06 0800
SOP#: EXT-102 Rev 6
Spike Analyst: CEB Witness: EL
Sample Matrix: Soil
Ext Solvent: CH₂Cl₂ Lot#: C04825
Ext Solvent: - Lot#: -
Ext Disk: - Lot#: -
Other: CACI Lot#: EF00017-82

Extract Relinquished By: CEB
Extract Received By: HV
Date Extract Received: 9-1-06
Matrix Spike # / Conc: STD14512 @ 1.0 ppm
Surrogate Spike # / Conc: STD14513 @ 1.0 ppm
Extraction Work Group: WB 221209
Analytical Work Group: -

Sonic Bath On – Date: <u>08-31-06</u>
Time (1) <u>1300</u> Temp (1) <u>Ctrl 35°C</u>
Bath <u>10°C</u>
Time (2) <u>1500</u> Temp (2) <u>Ctrl 35°C</u>
Bath <u>12°C</u>
Sonic Bath Off – Date: <u>09-01-06</u>
Time (3) <u>0700</u> Temp (3) <u>Ctrl 35°C</u>
Bath <u>12°C</u>

R1106447

Project ID	Sample ID	Sample Wt (g) / Vol (mL)	Surrogate Amount (uL)	Matrix Spike Amount (uL)	Extract F. Volume (mL)	Comments
1	<u>BY</u>	<u>2.00 g</u>	<u>1000 uL</u>	<u>1000 uL</u>	<u>20.0 mL</u>	<u>WB 221209 -02</u>
2	<u>CS</u>	<u>2.01</u>	<u>1000 uL</u>	<u>1000 uL</u>	<u>20.0 mL</u>	<u>-03</u>
3	<u>08-643-01-06</u>	<u>2.04</u>	<u>1000 uL</u>	<u>1000 uL</u>	<u>20.0 mL</u>	<u>-01</u>
4	<u>-02</u>	<u>2.07</u>	<u>1000 uL</u>	<u>1000 uL</u>	<u>20.0 mL</u>	<u>-01</u>
5	<u>-03</u>	<u>2.05</u>	<u>1000 uL</u>	<u>1000 uL</u>	<u>20.0 mL</u>	<u>-01</u>
6	<u>-04</u>	<u>2.01</u>	<u>1000 uL</u>	<u>1000 uL</u>	<u>20.0 mL</u>	<u>-01</u>
7	<u>-05</u>	<u>2.09</u>	<u>1000 uL</u>	<u>1000 uL</u>	<u>20.0 mL</u>	<u>-01</u>
8	<u>-06</u>	<u>2.06</u>	<u>1000 uL</u>	<u>1000 uL</u>	<u>20.0 mL</u>	<u>-01</u>
9	<u>-07</u>	<u>2.03</u>	<u>1000 uL</u>	<u>1000 uL</u>	<u>20.0 mL</u>	<u>-01</u>
10	<u>-09 MS</u>	<u>2.03</u>	<u>1000 uL</u>	<u>1000 uL</u>	<u>20.0 mL</u>	<u>-01</u>
11	<u>-10 MS</u>	<u>2.00</u>	<u>1000 uL</u>	<u>1000 uL</u>	<u>20.0 mL</u>	<u>-01</u>
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

00061431

CEB 8/31/06

All soil samples are air dried to a constant weight prior to extraction
All extracts are filtered through a 0.45 um teflon ACRODISC prior to analysis

Reviewed by:

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061432

Analytical Method: 8330
Login Number: L0608643

AAB#: WG221609

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
06SB01-01	08/29/06	08/30/06	08/31/06	14	1.69	09/06/06	40	6.27	
06SB01-02	08/29/06	08/30/06	08/31/06	14	1.69	09/06/06	40	6.30	
06SB02-01	08/29/06	08/30/06	08/31/06	14	1.68	09/06/06	40	6.32	
06SB02-02	08/29/06	08/30/06	08/31/06	14	1.68	09/06/06	40	6.35	
06SB03-01	08/29/06	08/30/06	08/31/06	14	1.67	09/06/06	40	6.38	
06SB03-02	08/29/06	08/30/06	08/31/06	14	1.67	09/06/06	40	6.40	
06SB01-01-QC	08/29/06	08/30/06	08/31/06	14	1.69	09/06/06	40	6.43	
06SB01-01	08/29/06	08/30/06	08/31/06	14	1.69	09/08/06	40	8.28	
06SB01-01	08/29/06	08/30/06	08/31/06	14	1.69	09/08/06	40	8.31	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

00061433

Login Number: L0608643
Instrument Id: HPLC4
Workgroup (AAB#): WG221609

Method: 8330
CAL ID: HPLC4 - 10-AUG-06
Matrix: SOLID

Sample Number	Dilution	Tag	1
L0608643-01	1.00	01	91.7
L0608643-02	1.00	01	89.1
L0608643-03	1.00	01	94.4
L0608643-04	1.00	01	92.3
L0608643-05	1.00	01	94.3
L0608643-06	1.00	01	94.2
L0608643-07	1.00	01	96.7
L0608643-09	1.00	01	96.8
L0608643-10	1.00	01	94.2
WG221209-02	1.00	01	96.0
WG221209-03	1.00	01	94.3

Surrogates	Surrogate Limits
1 - 3,4-Dinitrotoluene	50 - 150

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

METHOD BLANK SUMMARY

00061434

Login Number: L0608643
 Blank File ID: 4L009117.F
 Date Analyzed: 09/06/06
 Time Analyzed: 13:18
 Analyst: JLS

Work Group: WG221609
 Blank Sample ID: WG221209-02
 Instrument ID: HPLC4
 Method: 8330

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG221209-03	4L009118.F	09/06/06 13:55	01
06SB01-01	L0608643-01	4L009119.F	09/06/06 14:32	01
06SB01-02	L0608643-02	4L009120.F	09/06/06 15:09	01
06SB02-01	L0608643-03	4L009121.F	09/06/06 15:47	01
06SB02-02	L0608643-04	4L009122.F	09/06/06 16:24	01
06SB03-01	L0608643-05	4L009123.F	09/06/06 17:01	01
06SB03-02	L0608643-06	4L009124.F	09/06/06 17:38	01
06SB01-01-QC	L0608643-07	4L009125.F	09/06/06 18:15	01
06SB01-01	L0608643-09	4L009135.F	09/08/06 14:43	01
06SB01-01	L0608643-10	4L009136.F	09/08/06 15:20	01

METHOD BLANK REPORT

00061435

Login Number: L0608643 Run Date: 09/06/2006 Sample ID: WG221209-02
 Instrument ID: HPLC4 Run Time: 13:18 Prep Method: METHOD
 File ID: 4L009117.F Analyst: JLS Method: 8330
 Workgroup (AAB#): WG221609 Matrix: Solid Units: mg/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-AUG-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
1,3,5-Trinitrobenzene	0.100	0.250	0.100	1	U
1,3-Dinitrobenzene	0.100	0.250	0.100	1	U
2,4,6-Trinitrotoluene	0.100	0.250	0.100	1	U
2,4-Dinitrotoluene	0.100	0.250	0.100	1	U
2,6-Dinitrotoluene	0.100	0.260	0.100	1	U
2-Amino-4,6-dinitrotoluene	0.100	0.260	0.100	1	U
2-Nitrotoluene	0.100	0.250	0.100	1	U
3-Nitrotoluene	0.100	0.250	0.100	1	U
4-Nitrotoluene	0.100	0.250	0.100	1	U
4-Amino-2,6-dinitrotoluene	0.100	0.260	0.100	1	U
HMX	0.100	2.20	0.100	1	U
Nitrobenzene	0.130	0.260	0.130	1	U
RDX	0.100	1.00	0.100	1	U
Tetryl	0.200	0.650	0.200	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	96.0	50 - 150	PASS

MDL Method Detection Limit
 RL Reporting/quantitation Limit

* Analyte concentration > RL

LABORATORY CONTROL SAMPLE (LCS)

00061436

Login Number: L0608643 Run Date: 09/06/2006 Sample ID: WG221209-03
 Instrument ID: HPLC4 Run Time: 13:55 Prep Method: METHOD
 File ID: 4L009118.F Analyst: JLS Method: 8330
 Workgroup (AAB#): WG221609 Matrix: Solid Units: mg/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-AUG-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
1,3,5-Trinitrobenzene	0.500	0.501	100	75 - 125	
1,3-Dinitrobenzene	0.500	0.501	100	80 - 125	
2,4,6-Trinitrotoluene	0.500	0.427	85.4	55 - 140	
2,4-Dinitrotoluene	0.500	0.497	99.5	80 - 125	
2,6-Dinitrotoluene	0.500	0.549	110	80 - 120	
2-Amino-4,6-dinitrotoluene	0.500	0.615	123	80 - 125	
2-Nitrotoluene	0.500	0.485	97.0	80 - 125	
3-Nitrotoluene	0.500	0.485	97.0	75 - 120	
4-Nitrotoluene	0.500	0.536	107	75 - 125	
4-Amino-2,6-dinitrotoluene	0.500	0.575	115	80 - 125	
HMX	0.500	0.457	91.5	75 - 125	
Nitrobenzene	0.500	0.494	98.8	75 - 125	
RDX	0.500	0.483	96.6	70 - 135	
Tetryl	0.500	0.431	86.3	20 - 130	

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	94.3	50 - 150	PASS

* FAILS %REC LIMIT

MS/MSD REPORT

Loginnum: L0608643

Cal ID: HPLC4 - 10-AUG-06

00061438
Worknum: 06221809

Instrument ID: HPLC4

Contract #: DACA56-94-D-0020

Prep Method: METHOD

Parent ID: L0608643-01

File ID: 4L009119.F

Dil: 1

Method: 8330

Sample ID: L0608643-09 MS

File ID: 4L009135.F

Dil: 1

Matrix: Soil

Sample ID: L0608643-10 MSD

File ID: 4L009136.F

Dil: 1

Units: mg/kg

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
1,3,5-Trinitrobenzene	ND	0.493	0.479	97.3	0.500	0.485	97.1	1.25	75 - 125	40	
1,3-Dinitrobenzene	ND	0.493	0.501	102	0.500	0.516	103	3.01	80 - 125	40	
2,4,6-Trinitrotoluene	ND	0.493	0.410	83.2	0.500	0.409	81.8	0.223	55 - 140	40	
2,4-Dinitrotoluene	ND	0.493	0.564	114	0.500	0.525	105	7.16	80 - 125	40	
2,6-Dinitrotoluene	ND	0.493	0.576	117	0.500	0.599	120	4.02	80 - 120	40	
2-Amino-4,6-dinitrotoluene	ND	0.493	0.516	105	0.500	0.624	125	19.1	80 - 125	40	
2-Nitrotoluene	ND	0.493	0.515	105	0.500	0.521	104	1.05	80 - 125	40	
3-Nitrotoluene	ND	0.493	0.523	106	0.500	0.523	105	0.0500	75 - 120	40	
4-Nitrotoluene	ND	0.493	0.524	106	0.500	0.690	138	27.3	75 - 125	40	*
4-Amino-2,6-dinitrotoluene	ND	0.493	0.486	98.6	0.500	0.502	100	3.29	80 - 125	40	
HMX	ND	0.493	0.459	93.3	0.500	0.476	95.2	3.50	75 - 125	40	
Nitrobenzene	ND	0.493	0.494	100	0.500	0.502	100	1.55	75 - 125	40	
RDX	ND	0.493	0.481	97.7	0.500	0.606	121	23.0	70 - 135	40	
Tetryl	ND	0.493	0.383	77.7	0.500	0.420	84.1	9.45	20 - 130	40	

* FAILS %REC LIMIT

FAILS RPD LIMIT

INITIAL CALIBRATION SUMMARY

00061439

Login Number: **L0608643**
Analytical Method: **8330**
ICAL Workgroup: **WG219506**

Instrument ID: **HPLC4**
Initial Calibration Date: **10-AUG-06 19:30**
Column ID: **F**

Analyte		AVG RF	% RSD	LINEAR	QUAD
1,3,5-Trinitrobenzene		2.503	4.27		
1,3-Dinitrobenzene		1.853	3.46		
2,4,6-Trinitrotoluene		2.638	3.49		
2,4-Dinitrotoluene		2.418	22.8	0.818	
2,6-Dinitrotoluene		4.408	9.45		
2-Amino-4,6-Dinitrotoluene		3.515	9.00		
2-Nitrotoluene		5.169	5.73		
3-Nitrotoluene		4.530	3.94		
4-Amino-2,6-Dinitrotoluene		4.280	3.91		
4-Nitrotoluene		6.317	8.42		
HMX		6.155	6.57		
Nitrobenzene		2.891	4.22		
RDX		6.185	14.6		
Tetryl		3.472	4.15		

INITIAL CALIBRATION DATA

Login Number: L0608643Instrument ID: HPLC4

00061440

Analytical Method: 8330Initial Calibration Date: 10-AUG-06 19:30Column ID: F

Analyte	WG219506-01			WG219506-02			WG219506-03		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	1000	410.116058	2.438	500	207.627075	2.408	100	42.0826988	2.376
1,3-Dinitrobenzene	1000	548.319336	1.824	500	277.595795	1.801	100	56.5400391	1.769
2,4,6-Trinitrotoluene	1000	386.420624	2.588	500	195.437485	2.558	100	39.5971184	2.525
2,4-Dinitrotoluene	1000	240.642197	4.156	500	251.197968	1.990	100	50.9184875	1.964
2,6-Dinitrotoluene	1000			500	121.976257	4.099	100	24.9163990	4.013
2-Amino-4,6-Dinitrotoluene	1000	238.729309	4.189	500	152.127487	3.287	100	30.7204628	3.255
2-Nitrotoluene	1000			500	101.645988	4.919	100	20.3516426	4.914
3-Nitrotoluene	1000			500	115.008423	4.348	100	22.9069786	4.365
4-Amino-2,6-Dinitrotoluene	1000			500	121.125664	4.128	100	24.4640102	4.088
4-Nitrotoluene	1000			500	84.9606018	5.885	100	17.0263252	5.873
HMX	1000	169.042252	5.916	500	90.1942596	5.544	100	16.3395462	6.120
Nitrobenzene	1000	354.979858	2.817	500	179.311600	2.788	100	36.4564056	2.743
RDX	1000	182.905731	5.467	500	92.5733414	5.401	100	18.2953339	5.466
Tetryl	1000	295.412659	3.385	500	149.222870	3.351	100	30.2906513	3.301

INITIAL CALIBRATION DATA

Login Number: L0608643

Instrument ID: HPLC4

Analytical Method: 8330

Initial Calibration Date: 10-AUG-06 19:30

Column ID: F

00061441

Analyte	WG219506-04			WG219506-05			WG219506-06		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	50.0	19.1474266	2.611	25.0	9.62814522	2.597	10.0	3.86683512	2.586
1,3-Dinitrobenzene	50.0	25.9892025	1.924	25.0	13.0911617	1.910	10.0	5.28941250	1.891
2,4,6-Trinitrotoluene	50.0	18.2330532	2.742	25.0	9.31017685	2.685	10.0	3.66835594	2.726
2,4-Dinitrotoluene	50.0	23.2483425	2.151	25.0	11.9094486	2.099	10.0	4.65987062	2.146
2,6-Dinitrotoluene	50.0	11.3105459	4.421	25.0	5.74631023	4.351	10.0	1.93934882	5.156
2-Amino-4,6-Dinitrotoluene	50.0	14.0588083	3.556	25.0	7.13465643	3.504	10.0	3.03034019	3.300
2-Nitrotoluene	50.0	9.48513603	5.271	25.0	4.91147327	5.090	10.0	1.76889133	5.653
3-Nitrotoluene	50.0	10.7789402	4.639	25.0	5.51862288	4.530	10.0	2.09677839	4.769
4-Amino-2,6-Dinitrotoluene	50.0	11.2209272	4.456	25.0	5.79186916	4.316	10.0	2.26526356	4.414
4-Nitrotoluene	50.0	7.76470518	6.439	25.0	4.07508135	6.135	10.0	1.37910843	7.251
HMX	50.0	7.68003368	6.510	25.0	3.77735090	6.618	10.0	1.60739887	6.221
Nitrobenzene	50.0	16.7608624	2.983	25.0	8.35599613	2.992	10.0	3.30798101	3.023
RDX	50.0	7.96912861	6.274	25.0	3.91651797	6.383	10.0	1.23154259	8.120
Tetryl	50.0	13.8570604	3.608	25.0	7.04509830	3.549	10.0	2.74744797	3.640

ALTERNATE SOURCE CALIBRATION REPORT

00061442

Login Number: L0608643 Run Date: 08/10/2006 Sample ID: WG219506-07
Instrument ID: HPLC4 Run Time: 20:07 Method: 8330
File ID: 4L008953.F Analyst: JLS
ICal Workgroup: WG219506 Cal ID: HPLC4 - 10-AUG-06

Analyte		Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene		50	49.0	2.49	2.1	ug/L	
1,3-Dinitrobenzene		50	48.1	1.88	3.8	ug/L	
2,4,6-Trinitrotoluene		50	48.7	2.65	2.5	ug/L	
2,4-Dinitrotoluene		50	48.1	2.08	3.9	ug/L	
2,6-Dinitrotoluene		50	51.0	4.07	1.9	ug/L	
2-Amino-4,6-Dinitrotoluene		50	53.4	3.11	6.9	ug/L	
2-Nitrotoluene		50	51.2	4.86	2.4	ug/L	
3-Nitrotoluene		50	50.2	4.37	.4	ug/L	
4-Nitrotoluene		50	51.9	5.78	3.8	ug/L	
4-Amino-2,6-Dinitrotoluene		50	49.3	4.23	1.5	ug/L	
HMX		50	43.9	6.61	12.1	ug/L	
Nitrobenzene		50	48.7	2.89	2.5	ug/L	
RDX		50	49.2	5.86	1.6	ug/L	
Tetryl		50	48.1	3.53	3.9	ug/L	

* Exceeds %D Limit

CONTINUING CALIBRATION VERIFICATION (CCV)

00061443

Login Number: L0608643 Run Date: 09/06/2006 Sample ID: WG221610-01
 Instrument ID: HPLC4 Run Time: 12:33 Method: 8330
 File ID: 4L009116.F Analyst: JLS
 Workgroup (AAB#): WG221609 Cal ID: HPLC4 - 10-AUG-06

Analyte	Expected	Found	RF	%D	UNITS	Q
Sym-Trinitrobenzene	50.0	51.8	2.36	3.50	ug/L	
1,3-Dinitrobenzene	50.0	52.0	1.74	4.00	ug/L	
2,4,6-Trinitrotoluene	50.0	52.0	2.48	4.10	ug/L	
2,4-Dinitrotoluene	50.0	52.0	1.92	4.10	ug/L	
2,6-Dinitrotoluene	50.0	52.4	3.96	4.80	ug/L	
2-Amino-4,6-Dinitrotoluene	50.0	51.5	3.23	3.00	ug/L	
2-Nitrotoluene	50.0	51.6	4.83	3.20	ug/L	
3-Nitrotoluene	50.0	52.2	4.20	4.50	ug/L	
4-Nitrotoluene	50.0	52.4	5.72	4.80	ug/L	
4-Amino-2,6-Dinitrotoluene	50.0	51.8	4.02	3.50	ug/L	
HMX	50.0	47.7	6.09	4.60	ug/L	
Nitrobenzene	50.0	53.2	2.65	6.40	ug/L	
RDX	50.0	50.3	5.72	0.600	ug/L	
Tetryl	50.0	44.7	3.80	10.7	ug/L	

* Exceeds %D Criteria

CONTINUING CALIBRATION VERIFICATION (CCV)

00061444

Login Number: L0608643 Run Date: 09/06/2006 Sample ID: WG221610-02
 Instrument ID: HPLC4 Run Time: 18:53 Method: 8330
 File ID: 4L009126.F Analyst: JLS
 Workgroup (AAB#): WG221609 Cal ID: HPLC4 - 10-AUG-06

Analyte	Expected	Found	RF	%D	UNITS	Q
Sym-Trinitrobenzene	50.0	52.8	2.31	5.70	ug/L	
1,3-Dinitrobenzene	50.0	53.0	1.71	6.10	ug/L	
2,4,6-Trinitrotoluene	50.0	53.2	2.43	6.30	ug/L	
2,4-Dinitrotoluene	50.0	52.6	1.90	5.20	ug/L	
2,6-Dinitrotoluene	50.0	52.8	3.93	5.60	ug/L	
2-Amino-4,6-Dinitrotoluene	50.0	52.5	3.16	5.00	ug/L	
2-Nitrotoluene	50.0	51.2	4.87	2.30	ug/L	
3-Nitrotoluene	50.0	50.7	4.33	1.40	ug/L	
4-Nitrotoluene	50.0	64.1	4.67	28.2	ug/L	*
4-Amino-2,6-Dinitrotoluene	50.0	53.6	3.89	7.20	ug/L	
HMX	50.0	47.5	6.12	5.00	ug/L	
Nitrobenzene	50.0	54.6	2.58	9.10	ug/L	
RDX	50.0	50.5	5.70	0.900	ug/L	
Tetryl	50.0	46.7	3.63	6.50	ug/L	

* Exceeds %D Criteria

CONTINUING CALIBRATION VERIFICATION (CCV)

00061445

Login Number: L0608643 Run Date: 09/08/2006 Sample ID: WG221825-01
 Instrument ID: HPLC4 Run Time: 13:57 Method: 8330
 File ID: 4L009134.F Analyst: JLS
 Workgroup (AAB#): WG221609 Cal ID: HPLC4 - 10-AUG-06

Analyte	Expected	Found	RF	%D	UNITS	Q
Sym-Trinitrobenzene	50.0	47.3	2.58	5.50	ug/L	
1,3-Dinitrobenzene	50.0	47.7	1.90	4.70	ug/L	
2,4,6-Trinitrotoluene	50.0	47.5	2.72	5.10	ug/L	
2,4-Dinitrotoluene	50.0	47.7	2.10	4.60	ug/L	
2,6-Dinitrotoluene	50.0	50.2	4.14	0.300	ug/L	
2-Amino-4,6-Dinitrotoluene	50.0	49.5	3.36	1.10	ug/L	
2-Nitrotoluene	50.0	49.9	4.99	0.200	ug/L	
3-Nitrotoluene	50.0	50.0	4.39	0.100	ug/L	
4-Nitrotoluene	50.0	49.9	6.02	0.300	ug/L	
4-Amino-2,6-Dinitrotoluene	50.0	49.6	4.20	0.800	ug/L	
HMX	50.0	43.2	6.72	13.6	ug/L	
Nitrobenzene	50.0	47.8	2.95	4.40	ug/L	
RDX	50.0	46.1	6.27	7.70	ug/L	
Tetryl	50.0	50.9	3.33	1.80	ug/L	

* Exceeds %D Criteria

CONTINUING CALIBRATION VERIFICATION (CCV)

00061446

Login Number: L0608643 Run Date: 09/08/2006 Sample ID: WG221825-02
 Instrument ID: HPLC4 Run Time: 15:57 Method: 8330
 File ID: 4L009137.F Analyst: JLS
 Workgroup (AAB#): WG221609 Cal ID: HPLC4 - 10-AUG-06

Analyte	Expected	Found	RF	%D	UNITS	Q
Sym-Trinitrobenzene	50.0	47.8	2.55	4.30	ug/L	
1,3-Dinitrobenzene	50.0	48.0	1.88	3.90	ug/L	
2,4,6-Trinitrotoluene	50.0	47.4	2.72	5.10	ug/L	
2,4-Dinitrotoluene	50.0	47.6	2.10	4.80	ug/L	
2,6-Dinitrotoluene	50.0	49.0	4.24	2.00	ug/L	
2-Amino-4,6-Dinitrotoluene	50.0	48.5	3.43	3.00	ug/L	
2-Nitrotoluene	50.0	49.1	5.08	1.90	ug/L	
3-Nitrotoluene	50.0	48.5	4.52	3.00	ug/L	
4-Nitrotoluene	50.0	62.9	4.76	25.8	ug/L	*
4-Amino-2,6-Dinitrotoluene	50.0	48.9	4.26	2.20	ug/L	
HMX	50.0	43.1	6.74	13.8	ug/L	
Nitrobenzene	50.0	47.6	2.96	4.90	ug/L	
RDX	50.0	46.5	6.23	7.10	ug/L	
Tetryl	50.0	50.7	3.34	1.40	ug/L	

* Exceeds %D Criteria

KEMRON Environmental Services Data Checklist

00061447

Date: 05-SEP-2006
Analyst: TMM
Analyst: NA
Method: PCT-S
Instrument: OVEN
Curve Workgroup: NA
Runlog ID:
Analytical Workgroups: WG221485

Calibration/Linearity	09/05/06
Second Source Check	
ICV/CCV (std)	
ICB/CCB	
Blank	
LCS/LCS Dup	
MS/MSD	
Duplicate	X
Upload Results	X
Client Forms	X
QC Violation Sheet	
Case Narratives	
Signed Raw Data	X
STD/LCS on benchsheet	
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	TMM
Secondary Reviewer	DIH
Comments	

Primary Reviewer:
06-SEP-2006



Secondary Reviewer:
06-SEP-2006



Generated: SEP-06-2006 16:09:01

3010 Briarpark Drive, Suite 4N
Houston, TX 77042 (713) 996-4400

CHAIN-OF-CUSTODY

Site 4

No. 10401

Laboratory Name: <i>Kernon</i>		Address: <i>Marquette, MI</i>		Contact:													
Project Name: <i>LHAAP</i>		Project Location: <i>Site 6/Kernon, TX</i>		Analysis and Method Desired (Indicate separate containers)													
Project No.		Project Contact: <i>L. Duty</i>		Project Telephone No.: <i>832-364-0173</i>													
Point of contact:		Project Manager/Supervisor:		Number of Containers													
Telephone No.																	
Item No.	Sample Number	Date	Time	Comp	Grab	Matrix	Sample Description, Location										
1	06SB01-01	8/29	1520			S		6	X	X	X	X					45/MSD
2	06SB01-01-QL		1520			S		4	X	X	X	X					
3	06SB01-02		1530			S		4	X	X	X	X					
4	06SB02-01		1540			S		4	X	X	X	X					
5	06SB02-02		1545			S		4	X	X	X	X					
6	06SB03-01		1550			S		4									
7	06SB03-02		1600			S		4									
8																	
9																	
10																	
Transfers Relinquished By (Signature)		Date/Time		Transfers Accepted By (Signature)		Date/Time		Special Instructions									
<i>[Signature]</i>		082906/1700		<i>[Signature]</i>				<i>UPS</i> <i>cll sealed</i> <i>slip intact</i> <i>cooler temp</i>									
								FedEx Airbill No.: <i>4016632210055438</i> Sampler's Signature: <i>[Signature]</i>									
				Laboratory		<i>Brenda Gregory</i>		<i>8/30/06</i>									
TAT: _____ Standard _____ Rush Due: _____		Seals Intact? _____ Y _____ N _____		Received Good Condition _____ Y _____ N _____													

White - Lab Copy Canary - Field Copy Pink - File Copy

SAMPLE RECEIPT FORM

00061449

Date: 8-30-06 Client: Shaw E & I

156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071

Shipped By: () Fed-Ex () UPS () DHL () KEMRON () Client () Other 9:30

Opened By: JS

Logged By: JS Login # L06 08643

IR Temp Gun: PD () G

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	1347	5	12401663221654742	10526	
2	1256	4	5438	10401	
3					
4					
5					
6					

Were all coolers sealed? ☒ Y N N/A

Were custody seals used on all coolers? ☒ Y N N/A

Were custody seals intact? ☒ Y N N/A

Was visible ice present? ☒ Y N N/A

Were all coolers in the temperature range of 2-6C? (>6C*) ☒ Y N N/A

Were the samples frozen?* ☒ Y ☒ N N/A

Were COC papers provided? ☒ Y N N/A

Were all sample containers intact?* ☒ Y N N/A

Were all sample labels intact? ☒ Y N N/A

Were all sample labels legible?* ☒ Y N N/A

Did all sample labels match the COC?* ☒ Y ☒ N N/A

Was the label information complete?* ☒ Y N N/A

Were the correct containers used?* ☒ Y N N/A

Were the correct preservatives added to water samples?* ☒ Y N N/A

Was the pH tested on preserved water samples? ☒ Y N ☒ N/A

Were pH ranges acceptable?* ☒ Y N ☒ N/A

Was sufficient amount of sample provided?* ☒ Y ☒ N N/A

Were bubbles present in VOA samples?* ☒ Y ☒ N N/A

Were COC's signed and dated? ☒ Y N N/A

Did samples arrive before hold time expired?* ☒ Y N N/A

Are discrepancy forms attached? ☒ Y N N/A

**Requires a discrepancy form*

Comments: _____

CRF #1
Revised 8/22/03

CRF#4

Sample Discrepancy Form

Client: Shaw Project: CLC 10527

Date Received: 8-30-06

☐ Cooler temperature > than 6 degrees Celsius

Reason ☐

☒ Samples received not on chain of custody

Trip Blank

☐ Samples on chain of custody not received

☒ Information on sample containers different from chain of custody

CLC 035801 = labels 065801 bag 8-30-06

☐ Sample containers received broken, leaking or not sealed (List sample ID)

☐ pH out (List sample ID, which container, pH prior to adjusting, amount of acid, preservative)

☐ Insufficient sample volume

only rec'd (2) bags for the samples ;

☐ Air bubbles present in VOA vials (List sample ID)

☐ Hold time expired (List sample ID)

for the
MS
MSD
only (4)
bag rec'd

Service Representative:

Was client notified regarding information: **YES**

NO

Name of Person contacted: _____

Company: _____

Service Representative: _____

Date: _____

Last Revised 08/22/03

Login: L0608643
Account: 2773
Project: 2773.025
Samples: 10
Due Date: 08-SEP-2006

Samplenum **Container ID** **Products**
L0608643-01 269805 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	STORE	SEM	A1	15-SEP-2006 08:07	JKT	HV

Samplenum **Container ID** **Products**
L0608643-01 269806 PCT-S 8270 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	W1	EXT	30-AUG-2006 12:58	CEB	JS
3	STORE	EXT	W1	30-AUG-2006 13:04	JS	CEB
4	PREP	W1	EXT	01-SEP-2006 06:27	CEB	JKT
5	STORE	EXT	W1	01-SEP-2006 10:54	JKT	CEB
6	ANALYZ	W1	WET	05-SEP-2006 09:02	FQB	JKT
7	STORE	WET	A1	06-SEP-2006 15:29	JS	TMM

Samplenum **Container ID** **Products**
L0608643-01 269807 8260 G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00061452

Login: L0608643
Account: 2773
Project: 2773.025
Samples: 10
Due Date: 08-SEP-2006

Samplenum **Container ID** **Products**
L0608643-01 269808 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:32	MES	BRG

Samplenum **Container ID** **Products**
L0608643-02 269809 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	V1	SEM	01-SEP-2006 08:14	HV	JS
3	STORE	SEM	A1	15-SEP-2006 08:06	JKT	HV

Samplenum **Container ID** **Products**
L0608643-02 269810 PCT-S 8270 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	W1	EXT	30-AUG-2006 12:58	CEB	JS
3	STORE	EXT	W1	30-AUG-2006 13:04	JS	CEB
4	PREP	W1	EXT	01-SEP-2006 06:27	CEB	JKT
5	STORE	EXT	W1	01-SEP-2006 10:53	JKT	CEB
6	ANALYZ	W1	WET	05-SEP-2006 09:02	FQB	JKT
7	STORE	WET	A1	06-SEP-2006 15:29	JS	TMM

Login: L0608643
Account: 2773
Project: 2773.025
Samples: 10
Due Date: 08-SEP-2006

Samplenum **Container ID** **Products**
L0608643-02 269811 8260 G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG

Samplenum **Container ID** **Products**
L0608643-02 269812 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:32	MES	BRG

Samplenum **Container ID** **Products**
L0608643-03 269813 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	V1	SEM	01-SEP-2006 08:14	HV	JS
3	STORE	SEM	A1	15-SEP-2006 08:06	JKT	HV

Login: L0608643
Account: 2773
Project: 2773.025
Samples: 10
Due Date: 08-SEP-2006

Samplenum **Container ID** **Products**
L0608643-03 269814 PCT-S 8270 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	W1	EXT	30-AUG-2006 12:58	CEB	JS
3	STORE	EXT	W1	30-AUG-2006 13:04	JS	CEB
4	PREP	W1	EXT	01-SEP-2006 06:27	CEB	JKT
5	STORE	EXT	W1	01-SEP-2006 10:53	JKT	CEB
6	ANALYZ	W1	WET	05-SEP-2006 09:02	FQB	JKT
7	STORE	WET	A1	06-SEP-2006 15:29	JS	TMM

Samplenum **Container ID** **Products**
L0608643-03 269815 8260 G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG

Samplenum **Container ID** **Products**
L0608643-03 269816 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:32	MES	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00061455

Login: L0608643
Account: 2773
Project: 2773.025
Samples: 10
Due Date: 08-SEP-2006

Samplenum **Container ID** **Products**
L0608643-04 269817 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	V1	SEM	01-SEP-2006 08:14	HV	JS
3	STORE	SEM	A1	15-SEP-2006 08:06	JKT	HV

Samplenum **Container ID** **Products**
L0608643-04 269818 PCT-S 8270 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	W1	EXT	30-AUG-2006 12:58	CEB	JS
3	STORE	EXT	W1	30-AUG-2006 13:04	JS	CEB
4	PREP	W1	EXT	01-SEP-2006 06:27	CEB	JKT
5	STORE	EXT	W1	01-SEP-2006 10:53	JKT	CEB
6	ANALYZ	W1	WET	05-SEP-2006 09:02	FQB	JKT
7	STORE	WET	A1	06-SEP-2006 15:29	JS	TMM

Samplenum **Container ID** **Products**
L0608643-04 269819 8260 G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00061456

Login: L0608643
Account: 2773
Project: 2773.025
Samples: 10
Due Date: 08-SEP-2006

Samplenum **Container ID** **Products**
L0608643-04 269820 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:32	MES	BRG

Samplenum **Container ID** **Products**
L0608643-05 269821 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	V1	SEM	01-SEP-2006 08:14	HV	JS
3	STORE	SEM	A1	15-SEP-2006 08:06	JKT	HV

Samplenum **Container ID** **Products**
L0608643-05 269822 PCT-S 8270 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	W1	EXT	30-AUG-2006 12:58	CEB	JS
3	STORE	EXT	W1	30-AUG-2006 13:04	JS	CEB
4	PREP	W1	EXT	01-SEP-2006 06:27	CEB	JKT
5	STORE	EXT	W1	01-SEP-2006 10:53	JKT	CEB
6	ANALYZ	W1	WET	05-SEP-2006 09:02	FQB	JKT
7	STORE	WET	A1	06-SEP-2006 15:28	JS	TMM

Login: L0608643
Account: 2773
Project: 2773.025
Samples: 10
Due Date: 08-SEP-2006

Samplenum **Container ID** **Products**
L0608643-05 269823 8260 G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:34	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG

Samplenum **Container ID** **Products**
L0608643-05 269824 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:32	MES	BRG

Samplenum **Container ID** **Products**
L0608643-06 269825 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	V1	SEM	01-SEP-2006 08:14	HV	JS
3	STORE	SEM	A1	15-SEP-2006 08:06	JKT	HV

Login: L0608643
Account: 2773
Project: 2773.025
Samples: 10
Due Date: 08-SEP-2006

Samplenum **Container ID** **Products**
L0608643-06 269826 PCT-S 8270 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	W1	EXT	30-AUG-2006 12:58	CEB	JS
3	STORE	EXT	W1	30-AUG-2006 13:04	JS	CEB
4	PREP	W1	EXT	01-SEP-2006 06:27	CEB	JKT
5	STORE	EXT	W1	01-SEP-2006 10:53	JKT	CEB
6	ANALYZ	W1	WET	05-SEP-2006 09:02	FQB	JKT
7	STORE	WET	A1	06-SEP-2006 15:28	JS	TMM

Samplenum **Container ID** **Products**
L0608643-06 269827 8260 G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG

Samplenum **Container ID** **Products**
L0608643-06 269828 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:32	MES	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00061459

Login: L0608643
Account: 2773
Project: 2773.025
Samples: 10
Due Date: 08-SEP-2006

Samplenum **Container ID** **Products**
L0608643-07 269829 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	V1	SEM	01-SEP-2006 08:14	HV	JS
3	STORE	SEM	A1	15-SEP-2006 08:06	JKT	HV

Samplenum **Container ID** **Products**
L0608643-07 269830 PCT-S 8270 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	W1	EXT	30-AUG-2006 12:58	CEB	JS
3	STORE	EXT	W1	30-AUG-2006 13:04	JS	CEB
4	PREP	W1	EXT	01-SEP-2006 06:27	CEB	JKT
5	STORE	EXT	W1	01-SEP-2006 10:53	JKT	CEB
6	ANALYZ	W1	WET	05-SEP-2006 09:02	FQB	JKT
7	STORE	WET	A1	06-SEP-2006 15:28	JS	TMM

Samplenum **Container ID** **Products**
L0608643-07 269831 8260 G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG

Login: L0608643
Account: 2773
Project: 2773.025
Samples: 10
Due Date: 08-SEP-2006

Samplenum **Container ID** **Products**
L0608643-07 269832 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:32	MES	BRG

Samplenum **Container ID** **Products**
L0608643-08 269833 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	V1	ORG4	30-AUG-2006 12:14	MES	JS
3	STORE	ORG4	A1	18-SEP-2006 09:12	JKT	CMS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	V1	ORG4	30-AUG-2006 12:14	MES	JS
3	STORE	ORG4	A1	18-SEP-2006 09:12	JKT	CMS

Samplenum **Container ID** **Products**
L0608643-09 269834 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	V1	SEM	01-SEP-2006 08:14	HV	JS
3	STORE	SEM	A1	15-SEP-2006 08:07	JKT	HV

Login: L0608643
Account: 2773
Project: 2773.025
Samples: 10
Due Date: 08-SEP-2006

Samplenum **Container ID** **Products**
L0608643-09 269835 PCT-S 8270 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	W1	EXT	30-AUG-2006 12:58	CEB	JS
3	STORE	EXT	W1	30-AUG-2006 13:04	JS	CEB
4	PREP	W1	EXT	01-SEP-2006 06:27	CEB	JKT
5	STORE	EXT	W1	01-SEP-2006 10:53	JKT	CEB
6	ANALYZ	W1	WET	05-SEP-2006 09:02	FQB	JKT
7	STORE	WET	A1	06-SEP-2006 15:28	JS	TMM

Samplenum **Container ID** **Products**
L0608643-09 269836 8260 G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG

Samplenum **Container ID** **Products**
L0608643-09 269837 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:32	MES	BRG

Samplenum **Container ID** **Products**
L0608643-10 269838 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	V1	SEM	01-SEP-2006 08:14	HV	JS
3	STORE	SEM	A1	15-SEP-2006 08:07	JKT	HV

Login: L0608643
Account: 2773
Project: 2773.025
Samples: 10
Due Date: 08-SEP-2006

Samplenum **Container ID** **Products**
L0608643-10 269839 PCT-S 8270 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	PREP	W1	EXT	30-AUG-2006 12:58	CEB	JS
3	STORE	EXT	W1	30-AUG-2006 13:04	JS	CEB
4	PREP	W1	EXT	01-SEP-2006 06:27	CEB	JKT
5	STORE	EXT	W1	01-SEP-2006 10:53	JKT	CEB
6	ANALYZ	W1	WET	05-SEP-2006 09:02	FQB	JKT
7	STORE	WET	A1	06-SEP-2006 15:29	JS	TMM

Samplenum **Container ID** **Products**
L0608643-10 269840 8260 G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG
3	STORE	ORG4	A1	19-SEP-2006 12:58	JKT	FJB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:35	MES	BRG

Samplenum **Container ID** **Products**
L0608643-10 269841 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-AUG-2006 11:07	BRG	
2	ANALYZ	L1	VOAY	30-AUG-2006 11:32	MES	BRG

156 Starlite Drive, Marietta, OH 45750 * TEL 740-373-4071 * FAX 740-373-4835 * <http://www.kemron.com>

Laboratory Report Number: L0606648

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader

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afickiesen@kemron-lab.com

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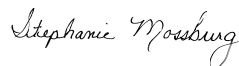
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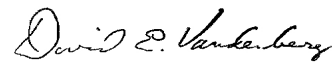
This report was reviewed on 14-JUL-06.



STEPHANIE MOSSBURG

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on 14-JUL-06.



DAVID VANDENBERG

FL DOH NELAP ID: E8755

This report contains a total of 153 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0606648

00061464

07/13/06 08:19

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 2773

Work ID: SITE 07

P.O. Number: 161755

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
07SB03 (0-1)	L0606648-01	28-JUN-06	29-JUN-06
07SB03 (3-4)	L0606648-02	28-JUN-06	29-JUN-06
07SB04 (0-1)	L0606648-03	28-JUN-06	29-JUN-06
07SB04 (3-4)	L0606648-04	28-JUN-06	29-JUN-06

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0606648

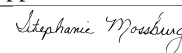
CHAIN OF CUSTODY: The chain of custody number was 2617

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 2 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 30-JUN-06



KEMRON ENVIRONMENTAL SERVICES
GC/MS SEMIVOLATILE ORGANICS

KEMRON Login No.: L0606648

METHOD

Preparation: Soils - SW-846 3545; Waters - SW-846 3510C or 3520C

Analysis: SW-846 8270C

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: The LCS associated with the sample extraction yielded percent recoveries for 2-nitrophenol and 4-chloroaniline that were below the lower advisory limit. All other acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group, due to insufficient volume of sample. The laboratory included an LCS and LCS duplicate in the preparation batch in lieu of the NELAC prescribed MS/MSD. KEMRON recommends site specific MS/MSD samples to avoid possible data qualification.

SAMPLES

Internal Standards: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Samples: Samples 01 and 03 were initially analyzed at a dilution due to the extract being viscous. All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the "wrong peak". In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: ALT

Approved: 06-JUL-06



KEMRON ENVIRONMENTAL SERVICES
METALS**KEMRON Login No:** L0606648**METHOD****Preparation:** SW-846 3050B**Analysis:** SW-846 6010**HOLDING TIMES****Sample Preparation:** All holding times were met.**Sample Analysis:** All holding times were met.**PREPARATION**

Sample preparation proceeded normally.

CALIBRATION**Initial Calibrations:** All acceptance criteria were met.**Alternate Source Standards:** All acceptance criteria were met.**Continuing Calibration:** All acceptance criteria were met.**BATCH QA/QC****Method Blank:** All acceptance criteria were met.**Laboratory Control Sample:** All acceptance criteria were met.**Serial Dilution/Post Digestion Spike:** WG216666(6010) - All acceptance criteria were met.**SAMPLES**

All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: SLP

Approved: 07-JUL-06

Maren Berry

Report Number: **L0606648**Report Date : **July 13, 2006**

00061469

Sample Number: **L0606648-01**
 Client ID: **07SB03 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216682**
 Collect Date: **06/28/2006 11:33**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **IC1**
 Prep Date: **07/05/2006 16:23**
 Cal Date: **07/05/2006 16:23**
 Run Date: **07/05/2006 16:23**
 File ID: **I1070506.15**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0	85.2		9.97	4.98

Sample Number: **L0606648-01**
 Client ID: **07SB03 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216666**
 Collect Date: **06/28/2006 11:33**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3050B**
 Analytical Method: **6010B**
 Analyst: **SLP**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **IRIS-ICP**
 Prep Date: **06/30/2006 06:40**
 Cal Date: **07/06/2006 10:23**
 Run Date: **07/06/2006 11:18**
 File ID: **IR.070606.111800**
 Percent Solid: **78.8**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4		U	1.77	0.222

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606648-01**
 Client ID: **07SB03 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216608**
 Collect Date: **06/28/2006 11:33**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/05/2006 15:42**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/05/2006 15:42**
 File ID: **9M47059**
 Percent Solid: **78.8**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6		U	8.99	0.899
1,1,2,2-Tetrachloroethane	79-34-5		U	8.99	0.899
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	18.0	0.899
1,1,2-Trichloroethane	79-00-5		U	8.99	0.899
1,1-Dichloroethane	75-34-3		U	8.99	1.80
1,1-Dichloroethene	75-35-4		U	8.99	0.899
1,2,4-Trichlorobenzene	120-82-1		U	8.99	0.899
1,2-Dibromo-3-chloropropane	96-12-8		U	8.99	3.59
1,2-Dibromoethane	106-93-4		U	8.99	0.899
1,2-Dichlorobenzene	95-50-1		U	8.99	0.899
1,2-Dichloroethane	107-06-2		U	8.99	0.899
cis-1,2-Dichloroethene	156-59-2		U	8.99	0.899
trans-1,2-Dichloroethene	156-60-5		U	8.99	0.899
1,2-Dichloropropane	78-87-5		U	8.99	0.899
1,3-Dichlorobenzene	541-73-1		U	8.99	0.899
1,4-Dichlorobenzene	106-46-7		U	8.99	0.899
2-Butanone	78-93-3		U	18.0	4.49
2-Hexanone	591-78-6		U	18.0	4.49
4-Methyl-2-pentanone	108-10-1		U	18.0	4.49
Acetone	67-64-1		U	18.0	8.99
Benzene	71-43-2		U	8.99	0.899

Report Number: **L0606648**Report Date : **July 13, 2006**

00061470

Sample Number: **L0606648-01**
 Client ID: **07SB03 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216608**
 Collect Date: **06/28/2006 11:33**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/05/2006 15:42**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/05/2006 15:42**
 File ID: **9M47059**
 Percent Solid: **78.8**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Bromodichloromethane	75-27-4		U	8.99	0.899
Bromoform	75-25-2		U	8.99	0.899
Bromomethane	74-83-9		U	18.0	1.80
Carbon disulfide	75-15-0		U	8.99	0.899
Carbon tetrachloride	56-23-5		U	8.99	0.899
Chlorobenzene	108-90-7		U	8.99	0.899
Chloroethane	75-00-3		U	18.0	1.80
Chloroform	67-66-3		U	8.99	0.899
Chloromethane	74-87-3		U	18.0	3.59
cis-1,3-Dichloropropene	10061-01-5		U	8.99	0.899
Cyclohexane	110-82-7		U	18.0	0.899
Dibromochloromethane	124-48-1		U	8.99	0.899
Dichlorodifluoromethane	75-71-8		U	18.0	0.449
Ethyl benzene	100-41-4		U	8.99	0.899
Isopropylbenzene	98-82-8		U	8.99	0.899
Methyl acetate	79-20-9		U	18.0	1.80
Methyl tert-butyl ether	1634-04-4		U	8.99	1.80
Methylcyclohexane	108-87-2		U	18.0	1.80
Methylene chloride	75-09-2		U	8.99	1.80
Styrene	100-42-5		U	8.99	0.899
Tetrachloroethene	127-18-4		U	8.99	0.899
Toluene	108-88-3		U	8.99	0.899
trans-1,3-Dichloropropene	10061-02-6		U	8.99	0.899
Trichloroethene	79-01-6	4.62	J	8.99	0.899
Trichlorofluoromethane	75-69-4		U	18.0	0.449
Vinyl chloride	75-01-4		U	18.0	1.80
Xylenes, Total	1330-20-7		U	8.99	0.899
Surrogate	% Recovery	Lower	Upper	Qual	
1,2-Dichloroethane-d4	115	80	120		
Dibromofluoromethane	114	80	120		
p-Bromofluorobenzene	94.7	74	121		
Toluene-d8	91.9	81	117		

J The analyte was positively identified, but the quantitation was below the RL
 U Not detected at or above adjusted sample detection limit

Sample Number: **L0606648-01**
 Client ID: **07SB03 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216707**
 Collect Date: **06/28/2006 11:33**
 Sample Tag: **DL01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **2**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **06/30/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/05/2006 20:24**
 File ID: **4M33542**
 Percent Solid: **78.8**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	419	209
2,4,5-Trichlorophenol	95-95-4		U	415	207
2,4,6-Trichlorophenol	88-06-2		U	415	207
2,4-Dichlorophenol	120-83-2		U	415	207
2,4-Dimethylphenol	105-67-9		U	415	207

Report Number: **L0606648**Report Date : **July 13, 2006**

00061471

Sample Number: **L0606648-01**
 Client ID: **07SB03 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **W6216707**
 Collect Date: **06/28/2006 11:33**
 Sample Tag: **DL01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **2**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **06/30/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/05/2006 20:24**
 File ID: **4M33542**
 Percent Solid: **78.8**

Analyte	CAS. Number	Result	Qual	PQL	SQL
2,4-Dinitrophenol	51-28-5		U	2070	830
2,4-Dinitrotoluene	121-14-2		U	415	207
2,6-Dinitrotoluene	606-20-2		U	415	207
2-Chloronaphthalene	91-58-7		U	415	207
2-Chlorophenol	95-57-8		U	415	207
2-Methylnaphthalene	91-57-6		U	415	207
2-Methylphenol	95-48-7		U	415	207
2-Nitroaniline	88-74-4		U	2070	830
2-Nitrophenol	88-75-5		U	415	207
3,3'-Dichlorobenzidine	91-94-1		U	830	415
3-,4-Methylphenol	106-44-5		U	415	207
3-Nitroaniline	99-09-2		U	2070	830
4,6-Dinitro-2-methylphenol	534-52-1		U	2070	830
4-Bromophenyl-phenylether	101-55-3		U	415	207
4-Chloro-3-methylphenol	59-50-7		U	415	207
4-Chloroaniline	106-47-8		U	415	207
4-Chlorophenyl-phenyl ether	7005-72-3		U	415	207
4-Nitroaniline	100-01-6		U	2070	830
4-Nitrophenol	100-02-7		U	2070	830
Acenaphthene	83-32-9		U	415	207
Acenaphthylene	208-96-8		U	415	207
Acetophenone	98-86-2		U	415	207
Anthracene	120-12-7		U	415	207
Atrazine	1912-24-9		U	415	207
Benzaldehyde	100-52-7		U	415	207
Benzo(a)anthracene	56-55-3	454		415	207
Benzo(a)pyrene	50-32-8	1140		415	207
Benzo(b)fluoranthene	205-99-2	1710		415	207
Benzo(g,h,i)Perylene	191-24-2	556		415	207
Benzo(k)fluoranthene	207-08-9	1560		415	207
Bis(2-Chloroethoxy)Methane	111-91-1		U	415	207
Bis(2-Chloroethyl)ether	111-44-4		U	415	207
bis(2-Chloroisopropyl)ether	39638-32-9		U	415	207
bis(2-Ethylhexyl)phthalate	117-81-7		U	415	207
Butylbenzylphthalate	85-68-7		U	415	207
Caprolactam	105-60-2		U	415	207
Carbazole	86-74-8		U	415	207
Chrysene	218-01-9	917		415	207
Di-N-Butylphthalate	84-74-2		U	415	207
Di-n-octylphthalate	117-84-0		U	415	207
Dibenzo(a,h)Anthracene	53-70-3		U	415	207
Dibenzofuran	132-64-9		U	415	207
Diethylphthalate	84-66-2		U	415	207
Dimethylphthalate	131-11-3		U	415	207
Fluoranthene	206-44-0	665		415	207
Fluorene	86-73-7		U	415	207
Hexachlorobenzene	118-74-1		U	415	207
Hexachlorobutadiene	87-68-3		U	415	207

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Report Number: **L0606648**Report Date : **July 13, 2006**

00061472

Sample Number: **L0606648-01**
 Client ID: **07SB03 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216707**
 Collect Date: **06/28/2006 11:33**
 Sample Tag: **DL01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **2**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **06/30/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/05/2006 20:24**
 File ID: **4M33542**
 Percent Solid: **78.8**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Hexachlorocyclopentadiene	77-47-4		U	415	207
Hexachloroethane	67-72-1		U	415	207
Indeno(1,2,3-cd)pyrene	193-39-5	576		415	207
Isophorone	78-59-1		U	415	207
N-Nitroso-di-n-propylamine	621-64-7		U	415	207
N-Nitrosodiphenylamine	86-30-6		U	415	207
Naphthalene	91-20-3		U	415	207
Nitrobenzene	98-95-3		U	415	207
Pentachlorophenol	87-86-5	1380	J	2070	830
Phenanthrene	85-01-8		U	415	207
Phenol	108-95-2		U	415	207
Pyrene	129-00-0	713		415	207

Surrogate	% Recovery	Lower	Upper	Qual
2,4,6-Tribromophenol	58.3	19	122	
2-Fluorobiphenyl	59.6	30	115	
2-Fluorophenol	38.0	25	121	
Nitrobenzene-d5	51.8	23	120	
P-Terphenyl-d14	75.7	18	137	
Phenol-d5	52.6	24	113	

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606648-01**
 Client ID: **07SB03 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216518**
 Collect Date: **06/28/2006 11:33**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **06/29/2006 08:10**
 Cal Date:
 Run Date: **06/29/2006 08:10**
 File ID: **OV.0606290810-08**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	78.8		1.00	1.00

Sample Number: **L0606648-01**
 Client ID: **07SB03 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216657**
 Collect Date: **06/28/2006 11:33**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **CAA**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **07/05/2006 12:00**
 Cal Date: **07/08/2006 15:13**
 Run Date: **07/08/2006 17:14**
 File ID: **1469111**
 Percent Solid: **78.8**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	63.3	31.7
Carbon Range C12-C28		34.0	J	63.3	31.7
Carbon Range C28-C35		51.1	J	63.3	31.7
Carbon Range C6-C35		73.4		63.3	31.7

Report Number: **L0606648**Report Date : **July 13, 2006**

00061473

Sample Number: **L0606648-01**
 Client ID: **07SB03 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216657**
 Collect Date: **06/28/2006 11:33**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **CAA**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **07/05/2006 12:00**
 Cal Date: **07/08/2006 15:13**
 Run Date: **07/08/2006 17:14**
 File ID: **1469111**
 Percent Solid: **78.8**

Surrogate	% Recovery	Lower	Upper	Qual
Chlorobenzene	92.4	31	130	
o-Terphenyl	95.5	70	130	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: **L0606648-02**
 Client ID: **07SB03 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216682**
 Collect Date: **06/28/2006 14:00**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **IC1**
 Prep Date: **07/05/2006 16:43**
 Cal Date: **07/05/2006 16:43**
 Run Date: **07/05/2006 16:43**
 File ID: **I1070506.16**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0	5.80	J	10.0	5.00

J The analyte was positively identified, but the quantitation was below the RL

Sample Number: **L0606648-02**
 Client ID: **07SB03 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216666**
 Collect Date: **06/28/2006 14:00**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3050B**
 Analytical Method: **6010B**
 Analyst: **SLP**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **IRIS-ICP**
 Prep Date: **06/30/2006 06:40**
 Cal Date: **07/06/2006 10:23**
 Run Date: **07/06/2006 11:24**
 File ID: **IR.070606.112400**
 Percent Solid: **80.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4		U	1.89	0.236

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606648-02**
 Client ID: **07SB03 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216608**
 Collect Date: **06/28/2006 14:00**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/05/2006 14:41**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/05/2006 14:41**
 File ID: **9M47057**
 Percent Solid: **80.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6	1.86	J	6.17	0.617
1,1,2,2-Tetrachloroethane	79-34-5		U	6.17	0.617
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	12.3	0.617
1,1,2-Trichloroethane	79-00-5		U	6.17	0.617
1,1-Dichloroethane	75-34-3	9.47		6.17	1.23
1,1-Dichloroethene	75-35-4	0.925	J	6.17	0.617
1,2,4-Trichlorobenzene	120-82-1		U	6.17	0.617
1,2-Dibromo-3-chloropropane	96-12-8		U	6.17	2.47

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Report Number: L0606648

Report Date : July 13, 2006

00061474

Sample Number: L0606648-02
 Client ID: 07SB03 (3-4)
 Matrix: Soil
 Workgroup Number: W6216608
 Collect Date: 06/28/2006 14:00
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/kg

Instrument: HPMS9
 Prep Date: 07/05/2006 14:41
 Cal Date: 06/07/2006 16:04
 Run Date: 07/05/2006 14:41
 File ID: 9M47057
 Percent Solid: 80.9

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,2-Dibromoethane	106-93-4		U	6.17	0.617
1,2-Dichlorobenzene	95-50-1		U	6.17	0.617
1,2-Dichloroethane	107-06-2		U	6.17	0.617
cis-1,2-Dichloroethene	156-59-2	2.33	J	6.17	0.617
trans-1,2-Dichloroethene	156-60-5		U	6.17	0.617
1,2-Dichloropropane	78-87-5		U	6.17	0.617
1,3-Dichlorobenzene	541-73-1		U	6.17	0.617
1,4-Dichlorobenzene	106-46-7		U	6.17	0.617
2-Butanone	78-93-3		U	12.3	3.08
2-Hexanone	591-78-6		U	12.3	3.08
4-Methyl-2-pentanone	108-10-1		U	12.3	3.08
Acetone	67-64-1		U	12.3	6.17
Benzene	71-43-2		U	6.17	0.617
Bromodichloromethane	75-27-4		U	6.17	0.617
Bromoform	75-25-2		U	6.17	0.617
Bromomethane	74-83-9		U	12.3	1.23
Carbon disulfide	75-15-0		U	6.17	0.617
Carbon tetrachloride	56-23-5		U	6.17	0.617
Chlorobenzene	108-90-7		U	6.17	0.617
Chloroethane	75-00-3		U	12.3	1.23
Chloroform	67-66-3		U	6.17	0.617
Chloromethane	74-87-3		U	12.3	2.47
cis-1,3-Dichloropropene	10061-01-5		U	6.17	0.617
Cyclohexane	110-82-7		U	12.3	0.617
Dibromochloromethane	124-48-1		U	6.17	0.617
Dichlorodifluoromethane	75-71-8		U	12.3	0.308
Ethyl benzene	100-41-4		U	6.17	0.617
Isopropylbenzene	98-82-8		U	6.17	0.617
Methyl acetate	79-20-9		U	12.3	1.23
Methyl tert-butyl ether	1634-04-4		U	6.17	1.23
Methylcyclohexane	108-87-2		U	12.3	1.23
Methylene chloride	75-09-2		U	6.17	1.23
Styrene	100-42-5		U	6.17	0.617
Tetrachloroethene	127-18-4		U	6.17	0.617
Toluene	108-88-3		U	6.17	0.617
trans-1,3-Dichloropropene	10061-02-6		U	6.17	0.617
Trichloroethene	79-01-6	2.23	J	6.17	0.617
Trichlorofluoromethane	75-69-4		U	12.3	0.308
Vinyl chloride	75-01-4		U	12.3	1.23
Xylenes, Total	1330-20-7		U	6.17	0.617
Surrogate	% Recovery	Lower	Upper	Qual	
1,2-Dichloroethane-d4	99.0	80	120		
Dibromofluoromethane	99.7	80	120		
p-Bromofluorobenzene	80.2	74	121		
Toluene-d8	82.1	81	117		

J The analyte was positively identified, but the quantitation was below the RL
 U Not detected at or above adjusted sample detection limit

Report Number: **L0606648**Report Date : **July 13, 2006**

00061475

Sample Number: **L0606648-02**
 Client ID: **07SB03 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **W6216707**
 Collect Date: **06/28/2006 14:00**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **06/30/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/05/2006 19:14**
 File ID: **4M33540**
 Percent Solid: **80.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	204	102
2,4,5-Trichlorophenol	95-95-4		U	196	98.0
2,4,6-Trichlorophenol	88-06-2		U	196	98.0
2,4-Dichlorophenol	120-83-2		U	196	98.0
2,4-Dimethylphenol	105-67-9		U	196	98.0
2,4-Dinitrophenol	51-28-5		U	980	392
2,4-Dinitrotoluene	121-14-2		U	196	98.0
2,6-Dinitrotoluene	606-20-2		U	196	98.0
2-Chloronaphthalene	91-58-7		U	196	98.0
2-Chlorophenol	95-57-8		U	196	98.0
2-Methylnaphthalene	91-57-6		U	196	98.0
2-Methylphenol	95-48-7		U	196	98.0
2-Nitroaniline	88-74-4		U	980	392
2-Nitrophenol	88-75-5		U	196	98.0
3,3'-Dichlorobenzidine	91-94-1		U	392	196
3-,4-Methylphenol	106-44-5		U	196	98.0
3-Nitroaniline	99-09-2		U	980	392
4,6-Dinitro-2-methylphenol	534-52-1		U	980	392
4-Bromophenyl-phenylether	101-55-3		U	196	98.0
4-Chloro-3-methylphenol	59-50-7		U	196	98.0
4-Chloroaniline	106-47-8		U	196	98.0
4-Chlorophenyl-phenyl ether	7005-72-3		U	196	98.0
4-Nitroaniline	100-01-6		U	980	392
4-Nitrophenol	100-02-7		U	980	392
Acenaphthene	83-32-9		U	196	98.0
Acenaphthylene	208-96-8		U	196	98.0
Acetophenone	98-86-2		U	196	98.0
Anthracene	120-12-7		U	196	98.0
Atrazine	1912-24-9		U	196	98.0
Benzaldehyde	100-52-7		U	196	98.0
Benzo(a)anthracene	56-55-3		U	196	98.0
Benzo(a)pyrene	50-32-8		U	196	98.0
Benzo(b)fluoranthene	205-99-2		U	196	98.0
Benzo(g,h,i)Perylene	191-24-2		U	196	98.0
Benzo(k)fluoranthene	207-08-9		U	196	98.0
Bis(2-Chloroethoxy)Methane	111-91-1		U	196	98.0
Bis(2-Chloroethyl)ether	111-44-4		U	196	98.0
bis(2-Chloroisopropyl)ether	39638-32-9		U	196	98.0
bis(2-Ethylhexyl)phthalate	117-81-7		U	196	98.0
Butylbenzylphthalate	85-68-7		U	196	98.0
Caprolactam	105-60-2		U	196	98.0
Carbazole	86-74-8		U	196	98.0
Chrysene	218-01-9		U	196	98.0
Di-N-Butylphthalate	84-74-2		U	196	98.0
Di-n-octylphthalate	117-84-0		U	196	98.0
Dibenzo(a,h)Anthracene	53-70-3		U	196	98.0
Dibenzofuran	132-64-9		U	196	98.0
Diethylphthalate	84-66-2		U	196	98.0

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Report Number: **L0606648**Report Date : **July 13, 2006**

00061476

Sample Number: **L0606648-02**
 Client ID: **07SB03 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216707**
 Collect Date: **06/28/2006 14:00**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **06/30/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/05/2006 19:14**
 File ID: **4M33540**
 Percent Solid: **80.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Dimethylphthalate	131-11-3		U	196	98.0
Fluoranthene	206-44-0		U	196	98.0
Fluorene	86-73-7		U	196	98.0
Hexachlorobenzene	118-74-1		U	196	98.0
Hexachlorobutadiene	87-68-3		U	196	98.0
Hexachlorocyclopentadiene	77-47-4		U	196	98.0
Hexachloroethane	67-72-1		U	196	98.0
Indeno(1,2,3-cd)pyrene	193-39-5		U	196	98.0
Isophorone	78-59-1		U	196	98.0
N-Nitroso-di-n-propylamine	621-64-7		U	196	98.0
N-Nitrosodiphenylamine	86-30-6		U	196	98.0
Naphthalene	91-20-3		U	196	98.0
Nitrobenzene	98-95-3		U	196	98.0
Pentachlorophenol	87-86-5		U	980	392
Phenanthrene	85-01-8		U	196	98.0
Phenol	108-95-2		U	196	98.0
Pyrene	129-00-0		U	196	98.0
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	32.5	19	122		
2-Fluorobiphenyl	46.8	30	115		
2-Fluorophenol	34.3	25	121		
Nitrobenzene-d5	48.9	23	120		
P-Terphenyl-d14	76.8	18	137		
Phenol-d5	41.3	24	113		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606648-02**
 Client ID: **07SB03 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216518**
 Collect Date: **06/28/2006 14:00**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **06/29/2006 08:10**
 Cal Date:
 Run Date: **06/29/2006 08:10**
 File ID: **OV.0606290810-09**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	80.9		1.00	1.00

Report Number: **L0606648**Report Date : **July 13, 2006**

00061477

Sample Number: **L0606648-02**
 Client ID: **07SB03 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216657**
 Collect Date: **06/28/2006 14:00**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **CAA**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **07/05/2006 12:00**
 Cal Date: **07/08/2006 15:13**
 Run Date: **07/08/2006 17:54**
 File ID: **14G9112**
 Percent Solid: **80.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	61.5	30.8
Carbon Range C12-C28		41.5	J	61.5	30.8
Carbon Range C28-C35		46.6	J	61.5	30.8
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	77.4	31	130		
o-Terphenyl	76.4	70	130		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606648-03**
 Client ID: **07SB04 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216682**
 Collect Date: **06/28/2006 14:10**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **IC1**
 Prep Date: **07/05/2006 17:04**
 Cal Date:
 Run Date: **07/05/2006 17:04**
 File ID: **I1070506.17**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0	54.1		9.97	4.98

Sample Number: **L0606648-03**
 Client ID: **07SB04 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216666**
 Collect Date: **06/28/2006 14:10**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3050B**
 Analytical Method: **6010B**
 Analyst: **SLP**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **IRIS-ICP**
 Prep Date: **06/30/2006 06:40**
 Cal Date: **07/06/2006 10:23**
 Run Date: **07/06/2006 11:30**
 File ID: **IR.070606.113000**
 Percent Solid: **83.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4		U	1.68	0.210

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606648-03**
 Client ID: **07SB04 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216608**
 Collect Date: **06/28/2006 14:10**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/05/2006 15:12**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/05/2006 15:12**
 File ID: **9M47058**
 Percent Solid: **83.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6	2.69	J	8.20	0.820
1,1,2,2-Tetrachloroethane	79-34-5		U	8.20	0.820
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	16.4	0.820
1,1,2-Trichloroethane	79-00-5		U	8.20	0.820

Report Number: **L0606648**Report Date : **July 13, 2006**

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Sample Number: **L0606648-03**
 Client ID: **07SB04 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **W6216608**
 Collect Date: **06/28/2006 14:10**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/05/2006 15:12**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/05/2006 15:12**
 File ID: **9M47058**
 Percent Solid: **83.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1-Dichloroethane	75-34-3		U	8.20	1.64
1,1-Dichloroethene	75-35-4		U	8.20	0.820
1,2,4-Trichlorobenzene	120-82-1		U	8.20	0.820
1,2-Dibromo-3-chloropropane	96-12-8		U	8.20	3.28
1,2-Dibromoethane	106-93-4		U	8.20	0.820
1,2-Dichlorobenzene	95-50-1		U	8.20	0.820
1,2-Dichloroethane	107-06-2		U	8.20	0.820
cis-1,2-Dichloroethene	156-59-2		U	8.20	0.820
trans-1,2-Dichloroethene	156-60-5		U	8.20	0.820
1,2-Dichloropropane	78-87-5		U	8.20	0.820
1,3-Dichlorobenzene	541-73-1		U	8.20	0.820
1,4-Dichlorobenzene	106-46-7		U	8.20	0.820
2-Butanone	78-93-3		U	16.4	4.10
2-Hexanone	591-78-6		U	16.4	4.10
4-Methyl-2-pentanone	108-10-1		U	16.4	4.10
Acetone	67-64-1		U	16.4	8.20
Benzene	71-43-2		U	8.20	0.820
Bromodichloromethane	75-27-4		U	8.20	0.820
Bromoform	75-25-2		U	8.20	0.820
Bromomethane	74-83-9		U	16.4	1.64
Carbon disulfide	75-15-0		U	8.20	0.820
Carbon tetrachloride	56-23-5		U	8.20	0.820
Chlorobenzene	108-90-7		U	8.20	0.820
Chloroethane	75-00-3		U	16.4	1.64
Chloroform	67-66-3		U	8.20	0.820
Chloromethane	74-87-3		U	16.4	3.28
cis-1,3-Dichloropropene	10061-01-5		U	8.20	0.820
Cyclohexane	110-82-7		U	16.4	0.820
Dibromochloromethane	124-48-1		U	8.20	0.820
Dichlorodifluoromethane	75-71-8		U	16.4	0.410
Ethyl benzene	100-41-4		U	8.20	0.820
Isopropylbenzene	98-82-8		U	8.20	0.820
Methyl acetate	79-20-9		U	16.4	1.64
Methyl tert-butyl ether	1634-04-4		U	8.20	1.64
Methylcyclohexane	108-87-2		U	16.4	1.64
Methylene chloride	75-09-2		U	8.20	1.64
Styrene	100-42-5		U	8.20	0.820
Tetrachloroethene	127-18-4		U	8.20	0.820
Toluene	108-88-3		U	8.20	0.820
trans-1,3-Dichloropropene	10061-02-6		U	8.20	0.820
Trichloroethene	79-01-6	3.93	J	8.20	0.820
Trichlorofluoromethane	75-69-4		U	16.4	0.410
Vinyl chloride	75-01-4		U	16.4	1.64
Xylenes, Total	1330-20-7	0.880	J	8.20	0.820

Report Number: **L0606648**Report Date : **July 13, 2006**

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Sample Number: **L0606648-03**
 Client ID: **07SB04 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216608**
 Collect Date: **06/28/2006 14:10**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/05/2006 15:12**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/05/2006 15:12**
 File ID: **9M47058**
 Percent Solid: **83.1**

Surrogate	% Recovery	Lower	Upper	Qual
1,2-Dichloroethane-d4	101	80	120	
Dibromofluoromethane	101	80	120	
p-Bromofluorobenzene	93.7	74	121	
Toluene-d8	85.9	81	117	

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606648-03**
 Client ID: **07SB04 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216707**
 Collect Date: **06/28/2006 14:10**
 Sample Tag: **DL01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **5**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **06/30/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/05/2006 20:59**
 File ID: **4M33543**
 Percent Solid: **83.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	993	497
2,4,5-Trichlorophenol	95-95-4		U	975	488
2,4,6-Trichlorophenol	88-06-2		U	975	488
2,4-Dichlorophenol	120-83-2		U	975	488
2,4-Dimethylphenol	105-67-9		U	975	488
2,4-Dinitrophenol	51-28-5		U	4880	1950
2,4-Dinitrotoluene	121-14-2		U	975	488
2,6-Dinitrotoluene	606-20-2		U	975	488
2-Chloronaphthalene	91-58-7		U	975	488
2-Chlorophenol	95-57-8		U	975	488
2-Methylnaphthalene	91-57-6		U	975	488
2-Methylphenol	95-48-7		U	975	488
2-Nitroaniline	88-74-4		U	4880	1950
2-Nitrophenol	88-75-5		U	975	488
3,3'-Dichlorobenzidine	91-94-1		U	1950	975
3-,4-Methylphenol	106-44-5		U	975	488
3-Nitroaniline	99-09-2		U	4880	1950
4,6-Dinitro-2-methylphenol	534-52-1		U	4880	1950
4-Bromophenyl-phenylether	101-55-3		U	975	488
4-Chloro-3-methylphenol	59-50-7		U	975	488
4-Chloroaniline	106-47-8		U	975	488
4-Chlorophenyl-phenyl ether	7005-72-3		U	975	488
4-Nitroaniline	100-01-6		U	4880	1950
4-Nitrophenol	100-02-7		U	4880	1950
Acenaphthene	83-32-9		U	975	488
Acenaphthylene	208-96-8		U	975	488
Acetophenone	98-86-2		U	975	488
Anthracene	120-12-7		U	975	488
Atrazine	1912-24-9		U	975	488
Benzaldehyde	100-52-7		U	975	488
Benzo(a)anthracene	56-55-3		U	975	488
Benzo(a)pyrene	50-32-8		U	975	488
Benzo(b)fluoranthene	205-99-2		U	975	488

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Report Number: **L0606648**Report Date : **July 13, 2006****00061480**

Sample Number: **L0606648-03**
 Client ID: **07SB04 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **W6216707**
 Collect Date: **06/28/2006 14:10**
 Sample Tag: **DL01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **5**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **06/30/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/05/2006 20:59**
 File ID: **4M33543**
 Percent Solid: **83.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Benzo(g,h,i)Perylene	191-24-2		U	975	488
Benzo(k)fluoranthene	207-08-9		U	975	488
Bis(2-Chloroethoxy)Methane	111-91-1		U	975	488
Bis(2-Chloroethyl)ether	111-44-4		U	975	488
bis(2-Chloroisopropyl)ether	39638-32-9		U	975	488
bis(2-Ethylhexyl)phthalate	117-81-7		U	975	488
Butylbenzylphthalate	85-68-7		U	975	488
Caprolactam	105-60-2		U	975	488
Carbazole	86-74-8		U	975	488
Chrysene	218-01-9		U	975	488
Di-N-Butylphthalate	84-74-2		U	975	488
Di-n-octylphthalate	117-84-0		U	975	488
Dibenzo(a,h)Anthracene	53-70-3		U	975	488
Dibenzofuran	132-64-9		U	975	488
Diethylphthalate	84-66-2		U	975	488
Dimethylphthalate	131-11-3		U	975	488
Fluoranthene	206-44-0		U	975	488
Fluorene	86-73-7		U	975	488
Hexachlorobenzene	118-74-1		U	975	488
Hexachlorobutadiene	87-68-3		U	975	488
Hexachlorocyclopentadiene	77-47-4		U	975	488
Hexachloroethane	67-72-1		U	975	488
Indeno(1,2,3-cd)pyrene	193-39-5		U	975	488
Isophorone	78-59-1		U	975	488
N-Nitroso-di-n-propylamine	621-64-7		U	975	488
N-Nitrosodiphenylamine	86-30-6		U	975	488
Naphthalene	91-20-3		U	975	488
Nitrobenzene	98-95-3		U	975	488
Pentachlorophenol	87-86-5		U	4880	1950
Phenanthrene	85-01-8		U	975	488
Phenol	108-95-2		U	975	488
Pyrene	129-00-0		U	975	488
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	77.2	19	122		
2-Fluorobiphenyl	79.8	30	115		
2-Fluorophenol	49.8	25	121		
Nitrobenzene-d5	67.3	23	120		
P-Terphenyl-d14	85.4	18	137		
Phenol-d5	64.1	24	113		

U Not detected at or above adjusted sample detection limit

Report Number: **L0606648**Report Date : **July 13, 2006****00061481**

Sample Number: **L0606648-03**
 Client ID: **07SB04 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216518**
 Collect Date: **06/28/2006 14:10**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **06/29/2006 08:10**
 Cal Date:
 Run Date: **06/29/2006 08:10**
 File ID: **OV.0606290810-10**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	83.1		1.00	1.00

Sample Number: **L0606648-03**
 Client ID: **07SB04 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216657**
 Collect Date: **06/28/2006 14:10**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **CAA**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **07/05/2006 12:00**
 Cal Date: **07/08/2006 15:13**
 Run Date: **07/08/2006 18:35**
 File ID: **1469113**
 Percent Solid: **83.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	60.1	30.1
Carbon Range C12-C28		62.3		60.1	30.1
Carbon Range C28-C35		64.7		60.1	30.1
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	97.8	31	130		
o-Terphenyl	102	70	130		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606648-04**
 Client ID: **07SB04 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216682**
 Collect Date: **06/28/2006 14:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **IC1**
 Prep Date: **07/05/2006 17:24**
 Cal Date:
 Run Date: **07/05/2006 17:24**
 File ID: **I1070506.18**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0	16.1		9.99	5.00

Sample Number: **L0606648-04**
 Client ID: **07SB04 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216666**
 Collect Date: **06/28/2006 14:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3050B**
 Analytical Method: **6010B**
 Analyst: **SLP**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **IRIS-ICP**
 Prep Date: **06/30/2006 06:40**
 Cal Date: **07/06/2006 10:23**
 Run Date: **07/06/2006 11:36**
 File ID: **IR.070606.113600**
 Percent Solid: **88.8**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4		U	1.64	0.206

U Not detected at or above adjusted sample detection limit

Report Number: **L0606648**Report Date : **July 13, 2006**

00061482

Sample Number: **L0606648-04**
 Client ID: **07SB04 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **W6216608**
 Collect Date: **06/28/2006 14:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/05/2006 16:13**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/05/2006 16:13**
 File ID: **9M47060**
 Percent Solid: **88.8**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6	15.0		5.54	0.554
1,1,2,2-Tetrachloroethane	79-34-5		U	5.54	0.554
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	11.1	0.554
1,1,2-Trichloroethane	79-00-5		U	5.54	0.554
1,1-Dichloroethane	75-34-3	5.10	J	5.54	1.11
1,1-Dichloroethene	75-35-4	1.00	J	5.54	0.554
1,2,4-Trichlorobenzene	120-82-1		U	5.54	0.554
1,2-Dibromo-3-chloropropane	96-12-8		U	5.54	2.22
1,2-Dibromoethane	106-93-4		U	5.54	0.554
1,2-Dichlorobenzene	95-50-1		U	5.54	0.554
1,2-Dichloroethane	107-06-2		U	5.54	0.554
cis-1,2-Dichloroethene	156-59-2	10.4		5.54	0.554
trans-1,2-Dichloroethene	156-60-5		U	5.54	0.554
1,2-Dichloropropane	78-87-5		U	5.54	0.554
1,3-Dichlorobenzene	541-73-1		U	5.54	0.554
1,4-Dichlorobenzene	106-46-7		U	5.54	0.554
2-Butanone	78-93-3		U	11.1	2.77
2-Hexanone	591-78-6		U	11.1	2.77
4-Methyl-2-pentanone	108-10-1		U	11.1	2.77
Acetone	67-64-1		U	11.1	5.54
Benzene	71-43-2		U	5.54	0.554
Bromodichloromethane	75-27-4		U	5.54	0.554
Bromoform	75-25-2		U	5.54	0.554
Bromomethane	74-83-9		U	11.1	1.11
Carbon disulfide	75-15-0		U	5.54	0.554
Carbon tetrachloride	56-23-5		U	5.54	0.554
Chlorobenzene	108-90-7		U	5.54	0.554
Chloroethane	75-00-3		U	11.1	1.11
Chloroform	67-66-3		U	5.54	0.554
Chloromethane	74-87-3		U	11.1	2.22
cis-1,3-Dichloropropene	10061-01-5		U	5.54	0.554
Cyclohexane	110-82-7		U	11.1	0.554
Dibromochloromethane	124-48-1		U	5.54	0.554
Dichlorodifluoromethane	75-71-8		U	11.1	0.277
Ethyl benzene	100-41-4		U	5.54	0.554
Isopropylbenzene	98-82-8		U	5.54	0.554
Methyl acetate	79-20-9		U	11.1	1.11
Methyl tert-butyl ether	1634-04-4		U	5.54	1.11
Methylcyclohexane	108-87-2		U	11.1	1.11
Methylene chloride	75-09-2		U	5.54	1.11
Styrene	100-42-5		U	5.54	0.554
Tetrachloroethene	127-18-4		U	5.54	0.554
Toluene	108-88-3		U	5.54	0.554
trans-1,3-Dichloropropene	10061-02-6		U	5.54	0.554
Trichloroethene	79-01-6	16.7		5.54	0.554
Trichlorofluoromethane	75-69-4		U	11.1	0.277
Vinyl chloride	75-01-4		U	11.1	1.11
Xylenes, Total	1330-20-7		U	5.54	0.554

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Report Number: **L0606648**Report Date : **July 13, 2006****00061483**

Sample Number: **L0606648-04**
 Client ID: **07SB04 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216608**
 Collect Date: **06/28/2006 14:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/05/2006 16:13**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/05/2006 16:13**
 File ID: **9M47060**
 Percent Solid: **88.8**

Surrogate	% Recovery	Lower	Upper	Qual
1,2-Dichloroethane-d4	109	80	120	
Dibromofluoromethane	104	80	120	
p-Bromofluorobenzene	81.4	74	121	
Toluene-d8	82.6	81	117	

J The analyte was positively identified, but the quantitation was below the RL
 U Not detected at or above adjusted sample detection limit

Sample Number: **L0606648-04**
 Client ID: **07SB04 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216707**
 Collect Date: **06/28/2006 14:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **06/30/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/05/2006 19:49**
 File ID: **4M33541**
 Percent Solid: **88.8**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	186	93.0
2,4,5-Trichlorophenol	95-95-4		U	182	90.9
2,4,6-Trichlorophenol	88-06-2		U	182	90.9
2,4-Dichlorophenol	120-83-2		U	182	90.9
2,4-Dimethylphenol	105-67-9		U	182	90.9
2,4-Dinitrophenol	51-28-5		U	909	364
2,4-Dinitrotoluene	121-14-2		U	182	90.9
2,6-Dinitrotoluene	606-20-2		U	182	90.9
2-Chloronaphthalene	91-58-7		U	182	90.9
2-Chlorophenol	95-57-8		U	182	90.9
2-Methylnaphthalene	91-57-6		U	182	90.9
2-Methylphenol	95-48-7		U	182	90.9
2-Nitroaniline	88-74-4		U	909	364
2-Nitrophenol	88-75-5		U	182	90.9
3,3'-Dichlorobenzidine	91-94-1		U	364	182
3-,4-Methylphenol	106-44-5		U	182	90.9
3-Nitroaniline	99-09-2		U	909	364
4,6-Dinitro-2-methylphenol	534-52-1		U	909	364
4-Bromophenyl-phenylether	101-55-3		U	182	90.9
4-Chloro-3-methylphenol	59-50-7		U	182	90.9
4-Chloroaniline	106-47-8		U	182	90.9
4-Chlorophenyl-phenyl ether	7005-72-3		U	182	90.9
4-Nitroaniline	100-01-6		U	909	364
4-Nitrophenol	100-02-7		U	909	364
Acenaphthene	83-32-9		U	182	90.9
Acenaphthylene	208-96-8		U	182	90.9
Acetophenone	98-86-2		U	182	90.9
Anthracene	120-12-7		U	182	90.9
Atrazine	1912-24-9		U	182	90.9
Benzaldehyde	100-52-7		U	182	90.9
Benzo(a)anthracene	56-55-3		U	182	90.9
Benzo(a)pyrene	50-32-8		U	182	90.9
Benzo(b)fluoranthene	205-99-2		U	182	90.9

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Report Number: L0606648

Report Date : July 13, 2006

00061484

Sample Number: L0606648-04
 Client ID: 07SB04 (3-4)
 Matrix: Soil
 Workgroup Number: W6216707
 Collect Date: 06/28/2006 14:40
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT
 Dilution: 1
 Units: ug/kg

Instrument: HPMS4
 Prep Date: 06/30/2006 08:30
 Cal Date: 06/25/2006 16:02
 Run Date: 07/05/2006 19:49
 File ID: 4M33541
 Percent Solid: 88.8

Analyte	CAS. Number	Result	Qual	PQL	SQL
Benzo(g,h,i)Perylene	191-24-2		U	182	90.9
Benzo(k)fluoranthene	207-08-9		U	182	90.9
Bis(2-Chloroethoxy)Methane	111-91-1		U	182	90.9
Bis(2-Chloroethyl)ether	111-44-4		U	182	90.9
bis(2-Chloroisopropyl)ether	39638-32-9		U	182	90.9
bis(2-Ethylhexyl)phthalate	117-81-7		U	182	90.9
Butylbenzylphthalate	85-68-7		U	182	90.9
Caprolactam	105-60-2		U	182	90.9
Carbazole	86-74-8		U	182	90.9
Chrysene	218-01-9		U	182	90.9
Di-N-Butylphthalate	84-74-2		U	182	90.9
Di-n-octylphthalate	117-84-0		U	182	90.9
Dibenzo(a,h)Anthracene	53-70-3		U	182	90.9
Dibenzofuran	132-64-9		U	182	90.9
Diethylphthalate	84-66-2		U	182	90.9
Dimethylphthalate	131-11-3		U	182	90.9
Fluoranthene	206-44-0		U	182	90.9
Fluorene	86-73-7		U	182	90.9
Hexachlorobenzene	118-74-1		U	182	90.9
Hexachlorobutadiene	87-68-3		U	182	90.9
Hexachlorocyclopentadiene	77-47-4		U	182	90.9
Hexachloroethane	67-72-1		U	182	90.9
Indeno(1,2,3-cd)pyrene	193-39-5		U	182	90.9
Isophorone	78-59-1		U	182	90.9
N-Nitroso-di-n-propylamine	621-64-7		U	182	90.9
N-Nitrosodiphenylamine	86-30-6		U	182	90.9
Naphthalene	91-20-3		U	182	90.9
Nitrobenzene	98-95-3		U	182	90.9
Pentachlorophenol	87-86-5		U	909	364
Phenanthrene	85-01-8		U	182	90.9
Phenol	108-95-2		U	182	90.9
Pyrene	129-00-0		U	182	90.9
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	67.2	19	122		
2-Fluorobiphenyl	63.3	30	115		
2-Fluorophenol	53.5	25	121		
Nitrobenzene-d5	63.5	23	120		
P-Terphenyl-d14	82.4	18	137		
Phenol-d5	60.3	24	113		

U Not detected at or above adjusted sample detection limit

Report Number: **L0606648**Report Date : **July 13, 2006****00061485**

Sample Number: **L0606648-04**
 Client ID: **07SB04 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216518**
 Collect Date: **06/28/2006 14:40**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **06/29/2006 08:10**
 Cal Date: _____
 Run Date: **06/29/2006 08:10**
 File ID: **OV.0606290810-11**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	88.8		1.00	1.00

Sample Number: **L0606648-04**
 Client ID: **07SB04 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216657**
 Collect Date: **06/28/2006 14:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **CAA**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **07/05/2006 12:00**
 Cal Date: **07/08/2006 15:13**
 Run Date: **07/08/2006 19:15**
 File ID: **14G9114**
 Percent Solid: **88.8**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	56.2	28.1
Carbon Range C12-C28		56.5		56.2	28.1
Carbon Range C28-C35		61.9		56.2	28.1
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	102	31	130		
o-Terphenyl	106	70	130		

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

WORKGROUP SUMMARY BY METHOD

00061487

Analysis:Special Request - SV

Extraction Method:3545

Workgroup:WG216476

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606648-01	07SB03 (0-1)		06/30/06 08:30			ASE	CPD
L0606648-02	07SB03 (3-4)		06/30/06 08:30			ASE	CPD
L0606648-03	07SB04 (0-1)		06/30/06 08:30			ASE	CPD
L0606648-04	07SB04 (3-4)		06/30/06 08:30			ASE	CPD

Analysis:Metals Analysis

Extraction Method:3050B

Workgroup:WG216495

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606648-01	07SB03 (0-1)		06/30/06 06:40			HOT BLOCK	REK
L0606648-02	07SB03 (3-4)		06/30/06 06:40			HOT BLOCK	REK
L0606648-03	07SB04 (0-1)		06/30/06 06:40			HOT BLOCK	REK
L0606648-04	07SB04 (3-4)		06/30/06 06:40			HOT BLOCK	REK

Analysis:Percent Solids

Analytical Method:D2216-90

Workgroup:WG216518

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606648-01	07SB03 (0-1)			06/29/06 08:10		OVEN	TMM
L0606648-02	07SB03 (3-4)			06/29/06 08:10		OVEN	TMM
L0606648-03	07SB04 (0-1)			06/29/06 08:10		OVEN	TMM
L0606648-04	07SB04 (3-4)			06/29/06 08:10		OVEN	TMM

Analysis:special list-8260

Analytical Method:8260B

Workgroup:WG216608

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606648-01	07SB03 (0-1)			07/05/06 15:42	01	HPMS9	MES
L0606648-02	07SB03 (3-4)			07/05/06 14:41	01	HPMS9	MES
L0606648-03	07SB04 (0-1)			07/05/06 15:12	01	HPMS9	MES
L0606648-04	07SB04 (3-4)			07/05/06 16:13	01	HPMS9	MES

WORKGROUP SUMMARY BY METHOD

00061488

Analysis:special list-8260

Extraction Method:5030B

Workgroup:WG216608

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606648-01	07SB03 (0-1)				216608	HPMS9	MES
L0606648-02	07SB03 (3-4)				216608	HPMS9	MES
L0606648-03	07SB04 (0-1)				216608	HPMS9	MES
L0606648-04	07SB04 (3-4)				216608	HPMS9	MES

Analysis:TPH - Texas Method 1005

Extraction Method:METH0D

Workgroup:WG216656

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606648-01	07SB03 (0-1)		07/05/06 12:00			HP14	CAA
L0606648-02	07SB03 (3-4)		07/05/06 12:00			HP14	CAA
L0606648-03	07SB04 (0-1)		07/05/06 12:00			HP14	CAA
L0606648-04	07SB04 (3-4)		07/05/06 12:00			HP14	CAA

Analysis:TPH - Texas Method 1005

Analytical Method:T1005

Workgroup:WG216657

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606648-01	07SB03 (0-1)		07/05/06 12:00	07/08/06 17:14	01	HP14	CAA
L0606648-02	07SB03 (3-4)		07/05/06 12:00	07/08/06 17:54	01	HP14	CAA
L0606648-03	07SB04 (0-1)		07/05/06 12:00	07/08/06 18:35	01	HP14	CAA
L0606648-04	07SB04 (3-4)		07/05/06 12:00	07/08/06 19:15	01	HP14	CAA

Analysis:Metals Analysis

Analytical Method:6010B

Workgroup:WG216666

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606648-01	07SB03 (0-1)		06/30/06 06:40	07/06/06 11:18	01	IRIS-ICP	SLP
L0606648-02	07SB03 (3-4)		06/30/06 06:40	07/06/06 11:24	01	IRIS-ICP	SLP
L0606648-03	07SB04 (0-1)		06/30/06 06:40	07/06/06 11:30	01	IRIS-ICP	SLP
L0606648-04	07SB04 (3-4)		06/30/06 06:40	07/06/06 11:36	01	IRIS-ICP	SLP

WORKGROUP SUMMARY BY METHOD

00061489

Analysis:Perchlorate

Analytical Method:314.0

Workgroup:WG216682

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606648-01	07SB03 (0-1)			07/05/06 16:23	01	IC1	JWR
L0606648-02	07SB03 (3-4)			07/05/06 16:43	01	IC1	JWR
L0606648-03	07SB04 (0-1)			07/05/06 17:04	01	IC1	JWR
L0606648-04	07SB04 (3-4)			07/05/06 17:24	01	IC1	JWR

Analysis:Perchlorate

Extraction Method:314.0

Workgroup:WG216682

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606648-01	07SB03 (0-1)					FILTER	JWR
L0606648-02	07SB03 (3-4)					FILTER	JWR
L0606648-03	07SB04 (0-1)					FILTER	JWR
L0606648-04	07SB04 (3-4)					FILTER	JWR

Analysis:Special Request - SV

Analytical Method:8270C

Workgroup:WG216707

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606648-01	07SB03 (0-1)		06/30/06 08:30	07/05/06 20:24	DL01	HPMS4	ALT
L0606648-02	07SB03 (3-4)		06/30/06 08:30	07/05/06 19:14	01	HPMS4	ALT
L0606648-03	07SB04 (0-1)		06/30/06 08:30	07/05/06 20:59	DL01	HPMS4	ALT
L0606648-04	07SB04 (3-4)		06/30/06 08:30	07/05/06 19:49	01	HPMS4	ALT

Kemron Environmental Services
Analyst Listing July 13, 2006

00061490

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAA - CASSIE A. AUGENSTEIN	CAF - CHERYL A. FLOWERS
CAK - CHERYL A. KOELSCH	CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSA - LUCINDA S. ARNOLD	CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN
DD - DIANE M. DENNIS	DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ
DEV - DAVID E. VANDENBERG	DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON
DLB - DAVID L. BUMGARNER	DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH
DR - DEANNA ROBERTS	DSM - DAVID S. MOSSOR	DST - DENNIS S. TEPE
ECL - ERIC C. LAWSON	ED - EMILY E. DECKER	HAV - HEMA VILASAGAR
JAL - JOHN A. LENT	JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL
JNB - JOSHUA N. BOOTH	JS - JENNIFER L. SOUTHALL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KCZ - KEVIN C. ZUMBRO
KEB - KATHRYN E. BARNES	KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON
LKN - LINDA K. NEDEFF	LSB - LESLIE S. BUCINA	MDA - MIKE D. ALBERTSON
MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING	MKZ - MARILYN K. ZUMBRO
MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL	MMB - MAREN M. BEERY
MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH	PAS - PATRICK A. STREET
PJM - PAUL J. MILLER	RB - ROBERT BUCHANAN	RDC - REBECCA D. CUTLIP
REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL	SCM - SUSAN C. MOELLENDICK
SLM - STEPHANIE L. MOSSBURG	SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE
SRM - SAMUEL R. MCFEE	TMB - TIFFANY M. BAILEY	TMM - TAMMY M. MORRIS
VC - VICKI COLLIER	WFM - WALTER F. MARTIN	

<u>Qualifier</u>	<u>Description</u>
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	Analyte present in method blank
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
FL	Free Liquid
I	Semiquantitative result (out of instrument calibration range)
J	The analyte was positively identified, but the quantitation was below the RL
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	ESTIMATE & COLUMNS DON'T AGREE TO WITHIN 40%
L	Sample reporting limits elevated due to matrix interference
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Tentatively identified compound(TIC)
NA	Not applicable
ND	Not detected at or above the reporting limit
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria fail. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Undetected; the concentration is below the reported MDL.
UJ	Undetected; the MDL and RL are estimated due to quality control discrepancies.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

Organic QA/QC

KEMRON Environmental Services
Data Checklist

Date: 07-JUN-2006
Analyst: MES
Analyst: NA
Method: 8260
Instrument: HPMS9
Curve Workgroup: NA
Analytical Workgroups: WG214755

Runlog ID number:	10712
System Performance Check	NA
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	NA
Project/Client Specific Requirements	NA
Special Standards	NA
Blanks	NA
TCL's	NA
Surrogates	NA
LCS (Laboratory Control Sample)	NA
Recoveries	NA
Surrogates	NA
MS/MSD/Duplicates	NA
Samples	NA
TCL Hits	NA
Spectra of TCL Hits	NA
Surrogates	NA
Internal Standards Criteria	NA
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	NA
Reruns	NA
Manual Integrations	X
Case Narrative	NA
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	MES
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:



Secondary Reviewer:
08-JUN-2006

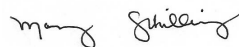


KEMRON Environmental Services
Data Checklist

Date: 05-JUL-2006
Analyst: MES
Analyst: NA
Method: 8260
Instrument: HPMS9
Curve Workgroup: NA
Runlog ID: 11106
Analytical Workgroups: WG216608

System Performance Check	NA
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	NA
Samples	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	X
Reruns	X
Manual Integrations	X
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	MES
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
06-JUL-2006



Secondary Reviewer:
07-JUL-2006



00061495

KEMRON Environmental Services Instrument Run Log

Instrument: HPMS9 Dataset: 060706
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 9

Internal Standard: STD12786 Surrogate Standard: STD13076
 CCV: STD13053 LCS: STD12865 MS/MSD: NA

Column 1 ID: RTX502.2 Column 2 ID: NA

Workgroups: WG214755

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	9M46649	2ceve std--5ppb	NA	7	1		06/07/06 08:43
2	9M46650	WG214755-01 50NG BFB STD 8260	NA	7	1	STD12977	06/07/06 09:18
3	9M46651	SYSTEM BLANK	NA	7	1		06/07/06 09:47
4	9M46652	WG214755-04 5 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 10:21
5	9M46653	WG214755-02 0.5 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 10:52
6	9M46654	WG214755-03 2 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 11:23
7	9M46655	WG214755-05 10 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 11:59
8	9M46656	WG214755-07 20 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 12:30
9	9M46657	WG214755-07 50 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 13:01
10	9M46658	WG214755-08 100 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 13:31
11	9M46659	WG214755-09 200 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 14:02
12	9M46660	SYSTEM BLANK	NA	7	1		06/07/06 14:32
13	9M46661	WG214755-06 20ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 15:03
14	9M46662	WG214755-03 2ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 15:34
15	9M46663	WG214755-02 0.5 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 16:04
16	9M46664	WG214755-10 20ug/Kg ALT SOURCE	NA	7	1	STD12865	06/07/06 16:36

Comments

Seq.	Rerun	Dil.	Reason	Analytes
5				
File ID: 9M46653				
Do not report.				
6				
File ID: 9M46654				
Do not report.				
8				
File ID: 9M46656				
Do not report.				

Approved: June 08, 2006



KEMRON Environmental Services

Instrument Run Log

Instrument: HPMS9 Dataset: 070506
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 9
 Method: 5035 SOP: PAT02 Rev: 8
 Maintenance Log ID: 14581

Internal Standard: STD13522 Surrogate Standard: STD13076
 CCV: STD13415 LCS: STD13400 MS/MSD: NA
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG216608

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	9M47045	WG216607-01 50NG BFB STD 8260	NA	7	1	STD12977	07/05/06 08:41
2	9M47046	WG216607-02 50ug/Kg SOIL STD 8260	NA	7	1	STD13415	07/05/06 09:10
3	9M47047	WG216608-01 VBLK0705 BLANK 8260	NA	7	1		07/05/06 09:42
4	9M47048	WG216607-01 50NG BFB STD 8260	NA	7	1	STD12977	07/05/06 10:10
5	9M47049	WG216607-02 50ug/Kg SOIL STD 8260	NA	7	1	STD13415	07/05/06 10:35
6	9M47050	WG216608-01 VBLK0705 BLANK 8260	NA	7	1		07/05/06 11:05
7	9M47051	WG216608-02 20ug/Kg LCS 8260	NA	7	1	STD13400	07/05/06 11:36
8	9M47052	WG216608-03 20ug/Kg LCSDUP 8260	NA	7	1	STD13400	07/05/06 12:07
9	9M47053	L0606684-03 B 0.9X 8260	NA	7	1		07/05/06 12:38
10	9M47054	L0606677-01 D1 5X 8260	NA	7	1		07/05/06 13:08
11	9M47055	L0606649-01 8260A	NA	7	1		07/05/06 13:39
12	9M47056	L0606649-02 8260A	NA	7	1		07/05/06 14:10
13	9M47057	L0606648-02 A 1X 826-SPE	NA	7	1		07/05/06 14:41
14	9M47058	L0606648-03 A 1.4X 826-SPE	NA	7	1		07/05/06 15:12
15	9M47059	L0606648-01 B 1.4X 826-SPE	NA	7	1		07/05/06 15:42
16	9M47060	L0606648-04 B 1X 826-SPE	NA	7	1		07/05/06 16:13
17	9M47061	L0606684-05 A 0.8X 8260	NA	7	1		07/05/06 16:44
18	9M47062	L0606684-06 A 0.8X 8260	NA	7	1		07/05/06 17:15
19	9M47063	L0606684-07 A 0.8X 8260	NA	7	1		07/05/06 17:45
20	9M47064	L0606684-08 A 0.8X 8260	NA	7	1		07/05/06 18:16
21	9M47065	L0606684-09 A 0.8X 8260	NA	7	1		07/05/06 18:47
22	9M47066	L0606684-10 A 0.8X 8260	NA	7	1		07/05/06 19:18
23	9M47067	L0606684-11 A 0.8X 8260	NA	7	1		07/05/06 19:49
24	9M47068	L0606684-12 A 0.8X 8260	NA	7	1		07/05/06 20:20
25	9M47069	L0606695-02 A 1.6X 826-SPE	NA	7	1		07/05/06 20:50
26	9M47070	L0606695-04 A 1.4X 826-SPE	NA	7	1		07/05/06 21:21
27	9M47071	L0606695-11 A 2.5X 826-SPE	NA	7	1		07/05/06 21:52
28	9M47072	SYSTEM BLANK	NA	7	1		07/05/06 22:24
29	9M47073	5035 BLANK A 6/30/06	NA	7	1		07/05/06 22:55
30	9M47074	SYSTEM CHECK	NA	7	1		07/05/06 23:26
31	9M47075	SYSTEM BLANK	NA	7	1		07/05/06 23:57

Approved: July 07, 2006

Page: 1 of 2



KEMRON Environmental Services

Instrument Run Log

Instrument: HPMS9 Dataset: 070506
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 9
 Method: 5035 SOP: PAT02 Rev: 8
 Maintenance Log ID: 14581

Internal Standard: STD13522 Surrogate Standard: STD13076
 CCV: STD13415 LCS: STD13400 MS/MSD: NA
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG216608

Comments

Seq.	Rerun	Dil.	Reason	Analytes
2				
File ID: 9M47046				
Restart instrument-surrogate is low.				
9	X	100	Over Calibration Range	TCE
File ID: 9M47053				
This has changed from an A1 to a 00.				
12	X	5	Over Calibration Range	PCE
File ID: 9M47056				
18	X	100	Over Calibration Range	TCE
File ID: 9M47062				
25	X	100	Over Calibration Range	1,1,1-TCA
File ID: 9M47069				
26	X	100	Over Calibration Range	1,1-DCE, 1,1-DCA, 1,1,1-TCA
File ID: 9M47070				

Approved: July 07, 2006

Page: 2 of 2



VOA Preservation and Extraction Log

Analyst: SUB/ Date Preserved: 6/29/06 Method: 8260

Client	Sample #	Fraction ID	Date Collected	Time Collected	Time Preserved	Tare Wt. (g)	Total Wt. (g)	Sample Wt. (g)	Water Vol. (mL)	Methanol Vol. (mL)	Comments	Team Notified
Kemron-838	40606603-01	A	6/26/06	1430	NA	30.823	36.54	5.647	NA	NA	5 Field pres in 14p	
	02			1440		30.678	36.69	6.112				
	03			1500		31.090	36.20	5.610				
	04			1530		30.283	36.42	6.137				
	05			1610		30.975	37.54	6.565				
	06			1625		30.673	36.85	6.177				
	07			1645		30.910	37.28	6.370				
	08			1700		30.209	35.67	5.461				
	13		6/27/06	0740		30.881	35.11	4.229				
	14			0755		30.918	36.22	5.302				
	15			0825		30.319	36.46	6.151				
	16			0855		30.791	37.19	6.399				
	17			1020		30.696	37.01	6.444				
	18			1040		30.915	36.89	5.975				
	19			1100		30.871	37.34	6.469				
	20			1120		30.860	36.30	5.440				
	40606602-01	B	6/26/06	1705		32.48	37.61	5.130				
	40606604-01	A	6/28/06	1133	1100	NA	NA	3.54	5	-	5	
		B						3.53	5	-		
		C						3.62	-	10		
	40606605-01	A		1400	1110			5.01	5	-		
		B						3.11	5	-		
		C						3.51	-	10		
				1429/06								

00061498

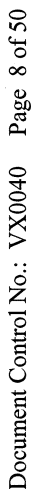
Comments:

- 1 = improperly sealed cap
- 2 = preserved out of hold (past 48 hours from time of collection)
- 3 = effervesced
- 4 = preserved with NaHSO4 (sodium bisulfate)
- 5 = preserved by freezing

Methanol (Manufacturer, Lot #) B & J CP805

NaHSO4 (Manufacturer, Lot #)

Reviewed by:



VOA Preservation and Extraction Log

Analyst: SUB/ Date Preserved: 6/25/06 Method: 8260

Method:

[illegible]

00061499

Comments:

1 = improperly sealed cap
2 = preserved out of hold
(past 48 hours from time of

3 = effervesced

4 = preserved with NaHSO₄ (sodium bisulfate)

5 = preserved by freezing

Methanol (Manufacturer, Lot #)

BST CP805

NaHSO4 (Manufacturer, Lot #)

Reviewed by:

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061500

Analytical Method: 8260B
Login Number: L0606648

AAB#: WG216608

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
07SB03 (0-1)	06/28/06	06/29/06	07/05/06	14	7.17	07/05/06	14	7.17	
07SB03 (3-4)	06/28/06	06/29/06	07/05/06	14	7.03	07/05/06	14	7.03	
07SB04 (0-1)	06/28/06	06/29/06	07/05/06	14	7.04	07/05/06	14	7.04	
07SB04 (3-4)	06/28/06	06/29/06	07/05/06	14	7.06	07/05/06	14	7.06	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

00061501

Login Number:L0606648

Instrument Id:HPMS9

Workgroup (AAB#):WG216608

Method:8260

CAL ID: HPMS9 - 07-JUN-06

Matrix:SOLID

Sample Number	Dilution	Tag	1	2	3	4
L0606648-01	1.00	01	115	114	94.7	91.9
L0606648-02	1.00	01	99.0	99.7	80.2	82.1
L0606648-03	1.00	01	101	101	93.7	85.9
L0606648-04	1.00	01	109	104	81.4	82.6
WG216608-01	1.00	01	108	108	88.8	91.5
WG216608-02	1.00	01	103	99.8	80.4	81.0
WG216608-03	1.00	01	107	105	83.5	84.8

Surrogates	Surrogate Limits
1 - 1,2-Dichloroethane-d4	80 - 120
2 - Dibromofluoromethane	80 - 120
3 - p-Bromofluorobenzene	74 - 121
4 - Toluene-d8	81 - 117

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

METHOD BLANK SUMMARY

Login Number: L0606648
Blank File ID: 9M47050
Date Analyzed: 07/05/06
Time Analyzed: 11:05
Analyst: MES

Work Group: WG216608
Blank Sample ID: WG216608-01
Instrument ID: HPMS9
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216608-02	9M47051	07/05/06 11:36	01
LCS2	WG216608-03	9M47052	07/05/06 12:07	01
07SB03 (3-4)	L0606648-02	9M47057	07/05/06 14:41	01
07SB04 (0-1)	L0606648-03	9M47058	07/05/06 15:12	01
07SB03 (0-1)	L0606648-01	9M47059	07/05/06 15:42	01
07SB04 (3-4)	L0606648-04	9M47060	07/05/06 16:13	01

Login Number: L0606648 Run Date: 07/05/2006 Sample ID: WG216608-01
 Instrument ID: HPMS9 Run Time: 11:05 Prep Method: 5030B
 File ID: 9M47050 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG216608 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS9-07-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
1,1,1-Trichloroethane	0.500	5.00	0.500	1	U
1,1,2,2-Tetrachloroethane	0.500	5.00	0.500	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.500	10.0	0.500	1	U
1,1,2-Trichloroethane	0.500	5.00	0.500	1	U
1,1-Dichloroethane	1.00	5.00	1.00	1	U
1,1-Dichloroethene	0.500	5.00	0.500	1	U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	1	U
1,2-Dibromo-3-chloropropane	2.00	5.00	2.00	1	U
1,2-Dibromoethane	0.500	5.00	0.500	1	U
1,2-Dichlorobenzene	0.500	5.00	0.500	1	U
1,2-Dichloroethane	0.500	5.00	0.500	1	U
cis-1,2-Dichloroethene	0.500	5.00	0.500	1	U
trans-1,2-Dichloroethene	0.500	5.00	0.500	1	U
1,2-Dichloropropane	0.500	5.00	0.500	1	U
1,3-Dichlorobenzene	0.500	5.00	0.500	1	U
1,4-Dichlorobenzene	0.500	5.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
2-Hexanone	2.50	10.0	2.50	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Acetone	5.00	10.0	5.00	1	U
Benzene	0.500	5.00	0.500	1	U
Bromodichloromethane	0.500	5.00	0.500	1	U
Bromoform	0.500	5.00	0.500	1	U
Bromomethane	1.00	10.0	1.00	1	U
Carbon disulfide	0.500	5.00	0.500	1	U
Carbon tetrachloride	0.500	5.00	0.500	1	U
Chlorobenzene	0.500	5.00	0.500	1	U
Chloroethane	1.00	10.0	1.00	1	U
Chloroform	0.500	5.00	0.500	1	U
Chloromethane	2.00	10.0	2.00	1	U
cis-1,3-Dichloropropene	0.500	5.00	0.500	1	U
Cyclohexane	0.500	10.0	0.500	1	U
Dibromochloromethane	0.500	5.00	0.500	1	U
Dichlorodifluoromethane	0.250	10.0	0.250	1	U
Ethyl benzene	0.500	5.00	0.500	1	U
Isopropylbenzene	0.500	5.00	0.500	1	U
Methyl acetate	1.00	10.0	1.00	1	U
Methyl tert-butyl ether	1.00	5.00	1.00	1	U
Methylcyclohexane	1.00	10.0	1.00	1	U
Methylene chloride	1.00	5.00	1.00	1	U
Styrene	0.500	5.00	0.500	1	U
Tetrachloroethene	0.500	5.00	0.500	1	U

KEMRON FORMS - Modified 07/06/2006
 Version 1.5 PDF File ID: 515391
 Report generated 07/12/2006 15:55

Login Number: L0606648 Run Date: 07/05/2006 Sample ID: WG216608-01
 Instrument ID: HPMS9 Run Time: 11:05 Prep Method: 5030B
 File ID: 9M47050 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG216608 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS9-07-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Toluene	0.500	5.00	0.500	1	U
trans-1,3-Dichloropropene	0.500	5.00	0.500	1	U
Trichloroethene	0.500	5.00	0.500	1	U
Trichlorofluoromethane	0.250	10.0	0.250	1	U
Vinyl chloride	1.00	10.0	1.00	1	U
Xylenes, Total	0.500	5.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
1,2-Dichloroethane-d4	108	80 - 120	PASS
Dibromofluoromethane	108	80 - 120	PASS
p-Bromofluorobenzene	88.8	74 - 121	PASS
Toluene-d8	91.5	81 - 117	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

Login Number: L0606648 Run Date: 07/05/2006 Sample ID: WG216608-02
 Instrument ID: HPMS9 Run Time: 11:36 Prep Method: 5030B
 File ID: 9M47051 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG216608 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS9-07-JUN-06

Analytes	Expected	Found	% Rec	LCS Limits		Q
1,1,1-Trichloroethane	20.0	23.9	120	70	- 135	
1,1,2,2-Tetrachloroethane	20.0	16.4	82.2	55	- 130	
1,1,2-Trichloro-1,2,2-Trifluoroethane	20.0	22.7	114	70	- 130	
1,1,2-Trichloroethane	20.0	17.7	88.7	60	- 125	
1,1-Dichloroethane	20.0	21.4	107	75	- 125	
1,1-Dichloroethene	20.0	21.1	106	65	- 135	
1,2,4-Trichlorobenzene	20.0	15.8	78.8	65	- 130	
1,2-Dibromo-3-chloropropane	20.0	16.1	80.4	40	- 135	
1,2-Dibromoethane	20.0	17.6	88.2	69	- 130	
1,2-Dichlorobenzene	20.0	16.4	81.9	70	- 130	
1,2-Dichloroethane	20.0	22.7	113	63	- 133	
cis-1,2-Dichloroethene	20.0	21.6	108	65	- 135	
trans-1,2-Dichloroethene	20.0	21.0	105	65	- 139	
1,2-Dichloropropane	20.0	21.2	106	70	- 130	
1,3-Dichlorobenzene	20.0	16.2	81.0	70	- 130	
1,4-Dichlorobenzene	20.0	16.3	81.6	70	- 130	
2-Butanone	20.0	21.6	108	37	- 172	
2-Hexanone	20.0	15.9	79.7	45	- 145	
4-Methyl-2-pentanone	20.0	21.2	106	47	- 146	
Acetone	20.0	23.6	118	20	- 160	
Benzene	20.0	21.3	106	70	- 139	
Bromodichloromethane	20.0	23.7	118	72	- 137	
Bromoform	20.0	18.9	94.3	49	- 136	
Bromomethane	20.0	23.5	117	37	- 143	
Carbon disulfide	20.0	22.7	113	39	- 139	
Carbon tetrachloride	20.0	24.9	125	59	- 136	
Chlorobenzene	20.0	17.4	87.2	70	- 130	
Chloroethane	20.0	21.6	108	52	- 135	
Chloroform	20.0	22.6	113	74	- 129	
Chloromethane	20.0	18.7	93.5	30	- 131	
cis-1,3-Dichloropropene	20.0	22.0	110	70	- 142	
Cyclohexane	20.0	22.1	110	70	- 130	
Dibromochloromethane	20.0	18.7	93.5	59	- 136	
Dichlorodifluoromethane	20.0	13.5	67.4	25	- 130	
Ethyl benzene	20.0	18.7	93.6	70	- 130	
Isopropylbenzene	20.0	17.1	85.4	68	- 129	
Methyl acetate	20.0	18.9	94.6	70	- 130	
Methyl tert-butyl ether	20.0	21.8	109	54	- 151	
Methylcyclohexane	20.0	23.2	116	70	- 130	
Methylene chloride	20.0	20.7	103	74	- 128	
Styrene	20.0	18.1	90.7	74	- 130	

Login Number: L0606648 Run Date: 07/05/2006 Sample ID: WG216608-02
 Instrument ID: HPMS9 Run Time: 11:36 Prep Method: 5030B
 File ID: 9M47051 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG216608 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS9-07-JUN-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Tetrachloroethene	20.0	18.4	92.2	72 - 130	
Toluene	20.0	17.8	89.0	77 - 126	
trans-1,3-Dichloropropene	20.0	16.7	83.3	56 - 135	
Trichloroethene	20.0	22.1	110	72 - 126	
Trichlorofluoromethane	20.0	21.7	108	48 - 154	
Vinyl chloride	20.0	21.5	108	25 - 130	
Xylenes, Total	60.0	55.5	92.5	70 - 130	

Surrogates	% Recovery	Surrogate Limits	Qualifier
1,2-Dichloroethane-d4	103	80 - 120	PASS
Dibromofluoromethane	99.8	80 - 120	PASS
p-Bromofluorobenzene	80.4	74 - 121	PASS
Toluene-d8	81.0	81 - 117	PASS

* FAILS %REC LIMIT

Login Number: L0606648 Analyst: MES Prep Method: 5030B
 Instrument ID: HPMS9 Matrix: Soil Method: 8260B
 Workgroup (AAB#): WG216608 Units: ug/kg
 Sample ID: WG216608-02 LCS File ID: 9M47051 Run Date: 07/05/2006 11:36
 Sample ID: WG216608-03 LCS2 File ID: 9M47052 Run Date: 07/05/2006 12:07

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
1,1,1-Trichloroethane	20.0	23.9	120	20.0	21.6	108	10.3	70 - 135	30	
1,1,2,2-Tetrachloroethane	20.0	16.4	82.2	20.0	15.1	75.7	8.14	55 - 130	30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	20.0	22.7	114	20.0	20.2	101	11.9	70 - 130	30	
1,1,2-Trichloroethane	20.0	17.7	88.7	20.0	16.7	83.6	5.84	60 - 125	30	
1,1-Dichloroethane	20.0	21.4	107	20.0	19.9	99.7	7.14	75 - 125	30	
1,1-Dichloroethene	20.0	21.1	106	20.0	19.1	95.3	10.3	65 - 135	30	
1,2,4-Trichlorobenzene	20.0	15.8	78.8	20.0	14.1	70.4	11.3	65 - 130	30	
1,2-Dibromo-3-chloropropane	20.0	16.1	80.4	20.0	14.3	71.6	11.5	40 - 135	30	
1,2-Dibromoethane	20.0	17.6	88.2	20.0	16.3	81.6	7.78	69 - 130	30	
1,2-Dichlorobenzene	20.0	16.4	81.9	20.0	14.7	73.5	10.8	70 - 130	30	
1,2-Dichloroethane	20.0	22.7	113	20.0	20.9	105	7.86	63 - 133	30	
cis-1,2-Dichloroethene	20.0	21.6	108	20.0	19.8	99.2	8.60	65 - 135	30	
trans-1,2-Dichloroethene	20.0	21.0	105	20.0	19.0	95.1	9.98	65 - 139	30	
1,2-Dichloropropane	20.0	21.2	106	20.0	19.5	97.7	8.22	70 - 130	30	
1,3-Dichlorobenzene	20.0	16.2	81.0	20.0	14.3	71.3	12.8	70 - 130	30	
1,4-Dichlorobenzene	20.0	16.3	81.6	20.0	14.6	72.8	11.5	70 - 130	30	
2-Butanone	20.0	21.6	108	20.0	20.1	100	7.44	37 - 172	30	
2-Hexanone	20.0	15.9	79.7	20.0	15.6	77.9	2.33	45 - 145	30	
4-Methyl-2-pentanone	20.0	21.2	106	20.0	20.8	104	1.96	47 - 146	30	
Acetone	20.0	23.6	118	20.0	20.4	102	14.5	20 - 160	30	
Benzene	20.0	21.3	106	20.0	19.6	97.9	8.37	70 - 139	30	
Bromodichloromethane	20.0	23.7	118	20.0	21.7	109	8.70	72 - 137	30	
Bromoform	20.0	18.9	94.3	20.0	17.6	87.8	7.19	49 - 136	30	
Bromomethane	20.0	23.5	117	20.0	22.3	111	5.17	37 - 143	30	
Carbon disulfide	20.0	22.7	113	20.0	20.5	103	9.96	39 - 139	30	
Carbon tetrachloride	20.0	24.9	125	20.0	22.2	111	11.7	59 - 136	30	
Chlorobenzene	20.0	17.4	87.2	20.0	15.9	79.5	9.22	70 - 130	30	
Chloroethane	20.0	21.6	108	20.0	20.1	100	7.20	52 - 135	30	
Chloroform	20.0	22.6	113	20.0	20.5	103	9.74	74 - 129	30	
Chloromethane	20.0	18.7	93.5	20.0	17.1	85.5	9.00	30 - 131	30	
cis-1,3-Dichloropropene	20.0	22.0	110	20.0	20.3	101	8.15	70 - 142	30	
Cyclohexane	20.0	22.1	110	20.0	19.4	97.1	12.8	70 - 130	30	
Dibromochloromethane	20.0	18.7	93.5	20.0	17.2	85.8	8.64	59 - 136	30	
Dichlorodifluoromethane	20.0	13.5	67.4	20.0	12.3	61.5	9.16	25 - 130	30	
Ethyl benzene	20.0	18.7	93.6	20.0	16.8	84.2	10.6	70 - 130	30	
Isopropylbenzene	20.0	17.1	85.4	20.0	15.4	76.8	10.6	68 - 129	30	
Methyl acetate	20.0	18.9	94.6	20.0	17.5	87.6	7.77	70 - 130	30	
Methyl tert-butyl ether	20.0	21.8	109	20.0	20.0	100	8.76	54 - 151	30	
Methylcyclohexane	20.0	23.2	116	20.0	20.5	102	12.3	70 - 130	30	
Methylene chloride	20.0	20.7	103	20.0	19.0	95.2	8.21	74 - 128	30	
Styrene	20.0	18.1	90.7	20.0	16.6	82.9	8.99	74 - 130	30	
Tetrachloroethene	20.0	18.4	92.2	20.0	16.4	82.0	11.7	72 - 130	30	

KEMRON FORMS - Modified 06/02/2006
 Version 1.5 PDF File ID: 515393
 Report generated 07/12/2006 15:55

Login Number: L0606648 Analyst: MES Prep Method: 5030B
 Instrument ID: HPMS9 Matrix: Soil Method: 8260B
 Workgroup (AAB#): WG216608 Units: ug/kg
 Sample ID: WG216608-02 LCS File ID: 9M47051 Run Date: 07/05/2006 11:36
 Sample ID: WG216608-03 LCS2 File ID: 9M47052 Run Date: 07/05/2006 12:07

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Toluene	20.0	17.8	89.0	20.0	16.2	80.9	9.52	77 - 126	30	
trans-1,3-Dichloropropene	20.0	16.7	83.3	20.0	15.3	76.7	8.22	56 - 135	30	
Trichloroethene	20.0	22.1	110	20.0	20.1	100	9.35	72 - 126	30	
Trichlorofluoromethane	20.0	21.7	108	20.0	19.7	98.7	9.38	48 - 154	30	
Vinyl chloride	20.0	21.5	108	20.0	20.2	101	6.08	25 - 130	30	
Xylenes, Total	60.0	55.5	92.5	60.0	50.1	83.5	10.3	70 - 130	30	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	99.8	105	80 - 120	PASS
1,2-Dichloroethane-d4	103	107	80 - 120	PASS
Toluene-d8	81.0	84.8	81 - 117	PASS
p-Bromofluorobenzene	80.4	83.5	74 - 121	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

00061509

BFB

Login Number: <u>L0606648</u>	Tune ID: <u>WG214755-01</u>
Instrument: <u>HPMS9</u>	Run Date: <u>06/07/2006</u>
Analyst: <u>MES</u>	Run Time: <u>09:18</u>
Workgroup: <u>WG214755</u>	File ID: <u>9M46650</u>
Cal ID: <u>HPMS9 - 07-JUN-06</u>	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	22.3	5513	PASS
75.0	95.0	30.0	60.0	43.9	10822	PASS
95.0	95.0	100	100	100	24674	PASS
96.0	95.0	5.00	9.00	6.77	1670	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	76.4	18862	PASS
175	174	5.00	9.00	7.97	1504	PASS
176	174	95.0	101	97.1	18315	PASS
177	176	5.00	9.00	7.08	1297	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG214755-10	SSCV-S	01	06/07/2006 16:36	
WG214755-02	STD-S	01	06/07/2006 16:04	
WG214755-03	STD-S	01	06/07/2006 15:34	
WG214755-06	STD-S	01	06/07/2006 15:03	
WG214755-09	STD-S	01	06/07/2006 14:02	
WG214755-08	STD-S	01	06/07/2006 13:31	
WG214755-07	CCV-S	01	06/07/2006 13:01	
WG214755-05	STD-S	01	06/07/2006 11:59	
WG214755-04	STD-S	01	06/07/2006 10:21	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061510

BFB

Login Number: L0606648
Instrument: HPMS9
Analyst: MES
Workgroup: WG216607

Tune ID: WG216607-01
Run Date: 07/05/2006
Run Time: 10:10
File ID: 9M47048

Cal ID: HPMS9 -07-JUN-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	21.7	4232	PASS
75.0	95.0	30.0	60.0	49.5	9656	PASS
95.0	95.0	100	100	100	19498	PASS
96.0	95.0	5.00	9.00	6.40	1247	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	80.8	15756	PASS
175	174	5.00	9.00	6.21	978	PASS
176	174	95.0	101	97.7	15397	PASS
177	176	5.00	9.00	6.81	1049	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG216607-02	CCV	07/05/2006 10:35

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG216608-01	BLANK	01	07/05/2006 11:05	
WG216608-02	LCS	01	07/05/2006 11:36	
WG216608-03	LCS2	01	07/05/2006 12:07	
L0606648-02	07SB03 (3-4)	01	07/05/2006 14:41	
L0606648-03	07SB04 (0-1)	01	07/05/2006 15:12	
L0606648-01	07SB03 (0-1)	01	07/05/2006 15:42	
L0606648-04	07SB04 (3-4)	01	07/05/2006 16:13	

* Sample past 12 hour tune limit

Login Number: L0606648

Instrument ID: HPMS9

Analytical Method: 8260B

Initial Calibration Date: 07-JUN-06 16:04

ICAL Workgroup: WG214755

Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
1,1-Dichloroethene	CCC	0.3069	8.28		
1,2-Dichloropropane	CCC	0.3256	5.39		
Chloroform	CCC	0.6092	3.84		
Ethylbenzene	CCC	0.5749	7.17		
Toluene	CCC	1.550	5.28		
Vinyl Chloride	CCC	0.2757	10.5		
1,1,2,2-Tetrachloroethane	SPCC	0.7142	11.6		
1,1-Dichloroethane	SPCC	0.6476	4.19		
Bromoform	SPCC	0.2367	7.86		
Chlorobenzene	SPCC	1.116	5.25		
Chloromethane	SPCC	0.4127	5.65		
1,1,1-Trichloroethane		0.5852	6.14		
1,1,2-Trichloro-1,2,2-Trifluoroethane		0.3748	4.74		
1,1,2-Trichloroethane		0.3078	5.93		
1,2,4-Trichlorobenzene		1.038	12.0		
1,2-Dibromo-3-Chloropropane		0.1607	14.8		
1,2-Dibromoethane		0.3266	5.60		
1,2-Dichlorobenzene		1.513	12.1		
1,2-Dichloroethane		0.5312	2.60		
1,3-Dichlorobenzene		1.665	12.2		
1,4-Dichlorobenzene		1.708	12.2		
2-Butanone		0.1455	6.09		
2-Hexanone		0.2701	7.57		
4-Methyl-2-Pentanone		0.1224	5.81		
Acetone		0.1348	30.1		1.00
Benzene		1.236	3.97		
Bromodichloromethane		0.4134	6.43		
Bromomethane		0.1541	10.2		
Carbon Disulfide		0.9882	5.17		
Carbon Tetrachloride		0.5380	8.31		
Chloroethane		0.2384	14.2		
Cyclohexane		0.6088	8.84		
Dibromochloromethane		0.3733	9.38		
Dichlorodifluoromethane		0.4559	5.87		
Isopropylbenzene		1.745	10.3		
Methyl Tert Butyl Ether		0.8438	2.70		
Methyl acetate		0.3425	5.13		
Methylcyclohexane		0.5410	13.2		
Methylene Chloride		0.3242	2.64		
Styrene		1.103	12.2		
Tetrachloroethene		0.3250	5.91		
Trichloroethene		0.3771	5.21		
Trichlorofluoromethane		0.6840	5.21		
cis-1,2-Dichloroethene		0.3406	6.01		
cis-1,3-Dichloropropene		0.4787	11.0		

Login Number: L0606648
Analytical Method: 8260B
ICAL Workgroup: WG214755

Instrument ID: HPMS9
Initial Calibration Date: 07-JUN-06 16:04
Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
m-, p-Xylene		0.7164	7.31		
o-Xylene		0.6441	13.4		
trans-1,2-Dichloroethene		0.3360	5.77		
trans-1,3-Dichloropropene		0.5359	11.0		

Login Number: L0606648

Instrument ID: HPMS9

Analytical Method: 8260B

Initial Calibration Date: 07-JUN-06 16:04

Column ID: F

Analyte	WG214755-02			WG214755-03			WG214755-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	2.00	4869	0.2624	5.00	13219	0.2944
1,2-Dichloropropane	NA	NA	NA	2.00	5451	0.2937	5.00	14168	0.3155
Chloroform	NA	NA	NA	2.00	10641	0.5734	5.00	27907	0.6214
Ethylbenzene	0.500	1940	0.5117	2.00	8744	0.5510	5.00	22576	0.5931
Toluene	0.500	5845	1.542	2.00	23252	1.465	5.00	60638	1.593
Vinyl Chloride	NA	NA	NA	2.00	5720	0.3082	5.00	13054	0.2907
1,1,2,2-Tetrachloroethane	NA	NA	NA	2.00	5596	0.6165	5.00	15250	0.7196
1,1-Dichloroethane	NA	NA	NA	2.00	11166	0.6017	5.00	29073	0.6474
Bromoform	NA	NA	NA	NA	NA	NA	5.00	8228	0.2162
Chlorobenzene	NA	NA	NA	2.00	17539	1.105	5.00	43933	1.154
Chloromethane	NA	NA	NA	2.00	8135	0.4384	5.00	19318	0.4302
1,1,1-Trichloroethane	NA	NA	NA	2.00	9837	0.5301	5.00	25589	0.5698
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	NA	NA	NA	NA	NA	5.00	16487	0.3671
1,1,2-Trichloroethane	NA	NA	NA	2.00	4549	0.2867	5.00	12289	0.3229
1,2,4-Trichlorobenzene	NA	NA	NA	2.00	8973	0.9886	5.00	21954	1.036
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA	5.00	3023	0.1426
1,2-Dibromoethane	NA	NA	NA	2.00	4789	0.3018	5.00	12880	0.3384
1,2-Dichlorobenzene	NA	NA	NA	2.00	12628	1.391	5.00	32647	1.541
1,2-Dichloroethane	NA	NA	NA	2.00	9594	0.5170	5.00	24073	0.5360
1,3-Dichlorobenzene	NA	NA	NA	2.00	14758	1.626	5.00	36293	1.713
1,4-Dichlorobenzene	NA	NA	NA	2.00	15922	1.754	5.00	37427	1.766
2-Butanone	NA	NA	NA	NA	NA	NA	5.00	7220	0.1608
2-Hexanone	NA	NA	NA	NA	NA	NA	5.00	11241	0.2953
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA	5.00	5702	0.1270
Acetone	NA	NA	NA	NA	NA	NA	5.00	9446	0.2103
Benzene	0.500	5562	1.257	2.00	21776	1.173	5.00	55716	1.241
Bromodichloromethane	NA	NA	NA	2.00	6870	0.3702	5.00	17989	0.4006
Bromomethane	NA	NA	NA	NA	NA	NA	5.00	6382	0.1421
Carbon Disulfide	NA	NA	NA	2.00	16858	0.9084	5.00	43899	0.9775
Carbon Tetrachloride	NA	NA	NA	2.00	8456	0.4556	5.00	23368	0.5203
Chloroethane	NA	NA	NA	2.00	4315	0.2325	5.00	7496	0.1669
Cyclohexane	NA	NA	NA	NA	NA	NA	5.00	24194	0.5387
Dibromochloromethane	NA	NA	NA	2.00	4983	0.3140	5.00	13787	0.3622
Dichlorodifluoromethane	NA	NA	NA	2.00	7821	0.4214	5.00	21117	0.4702
Isopropylbenzene	NA	NA	NA	2.00	22764	1.434	5.00	64768	1.702
Methyl Tert Butyl Ether	NA	NA	NA	NA	NA	NA	5.00	37879	0.8435
Methyl acetate	NA	NA	NA	NA	NA	NA	5.00	17041	0.3795
Methylcyclohexane	NA	NA	NA	2.00	8060	0.4343	5.00	22276	0.4960
Methylene Chloride	NA	NA	NA	2.00	6047	0.3258	5.00	14650	0.3262
Styrene	NA	NA	NA	2.00	13631	0.8589	5.00	40194	1.056
Tetrachloroethene	NA	NA	NA	2.00	4828	0.3042	5.00	12697	0.3336
Trichloroethene	NA	NA	NA	2.00	6503	0.3504	5.00	16578	0.3692

Login Number: L0606648

Instrument ID: HPMS9

Analytical Method: 8260B

Initial Calibration Date: 07-JUN-06 16:04

Column ID: F

Analyte	WG214755-05			WG214755-06			WG214755-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	10.0	27036	0.2915	20.0	59301	0.3348	50.0	147013	0.3162
1,2-Dichloropropane	10.0	29739	0.3207	20.0	61184	0.3455	50.0	152863	0.3288
Chloroform	10.0	54957	0.5926	20.0	114732	0.6478	50.0	280148	0.6026
Ethylbenzene	10.0	45547	0.5608	20.0	97134	0.6480	50.0	238584	0.5500
Toluene	10.0	121843	1.500	20.0	256378	1.710	50.0	632507	1.458
Vinyl Chloride	10.0	25749	0.2776	20.0	53618	0.3027	50.0	125432	0.2698
1,1,2,2-Tetrachloroethane	10.0	31641	0.7118	20.0	62843	0.8718	50.0	164678	0.6369
1,1-Dichloroethane	10.0	58468	0.6304	20.0	122369	0.6909	50.0	303462	0.6527
Bromoform	10.0	17155	0.2112	20.0	36985	0.2467	50.0	104238	0.2403
Chlorobenzene	10.0	88384	1.088	20.0	182655	1.219	50.0	447538	1.032
Chloromethane	10.0	37542	0.4048	20.0	77496	0.4376	50.0	188986	0.4065
1,1,1-Trichloroethane	10.0	51736	0.5579	20.0	113461	0.6406	50.0	278375	0.5988
1,1,2-Trichloro-1,2,2-Trifluoroethane	10.0	32791	0.3536	20.0	72062	0.4069	50.0	173233	0.3726
1,1,2-Trichloroethane	10.0	24486	0.3015	20.0	50726	0.3384	50.0	125444	0.2892
1,2,4-Trichlorobenzene	10.0	41641	0.9368	20.0	90833	1.260	50.0	226353	0.8754
1,2-Dibromo-3-Chloropropane	10.0	5804	0.1306	20.0	12962	0.1798	50.0	38309	0.1482
1,2-Dibromoethane	10.0	25008	0.3079	20.0	52379	0.3494	50.0	136349	0.3143
1,2-Dichlorobenzene	10.0	64257	1.446	20.0	136028	1.887	50.0	339676	1.314
1,2-Dichloroethane	10.0	48806	0.5263	20.0	99068	0.5594	50.0	246178	0.5295
1,3-Dichlorobenzene	10.0	71123	1.600	20.0	149927	2.080	50.0	366242	1.416
1,4-Dichlorobenzene	10.0	72879	1.640	20.0	152233	2.112	50.0	370693	1.434
2-Butanone	10.0	13133	0.1416	20.0	25530	0.1441	50.0	63239	0.1360
2-Hexanone	10.0	19217	0.2366	20.0	42990	0.2868	50.0	115290	0.2658
4-Methyl-2-Pentanone	10.0	10125	0.1092	20.0	21284	0.1202	50.0	58696	0.1263
Acetone	10.0	13603	0.1467	20.0	23304	0.1316	50.0	48679	0.1047
Benzene	10.0	107940	1.164	20.0	233449	1.318	50.0	575874	1.239
Bromodichloromethane	10.0	36218	0.3905	20.0	75998	0.4291	50.0	197882	0.4256
Bromomethane	10.0	12752	0.1375	20.0	25117	0.1418	50.0	74390	0.1600
Carbon Disulfide	10.0	86816	0.9361	20.0	185921	1.050	50.0	463710	0.9974
Carbon Tetrachloride	10.0	47570	0.5129	20.0	102921	0.5811	50.0	258229	0.5555
Chloroethane	10.0	22725	0.2450	20.0	48279	0.2726	50.0	118655	0.2552
Cyclohexane	10.0	50441	0.5439	20.0	116818	0.6596	50.0	288301	0.6201
Dibromochloromethane	10.0	28266	0.3480	20.0	60050	0.4006	50.0	162202	0.3739
Dichlorodifluoromethane	10.0	41075	0.4429	20.0	89076	0.5029	50.0	215910	0.4644
Isopropylbenzene	10.0	134001	1.650	20.0	297664	1.986	50.0	752704	1.735
Methyl Tert Butyl Ether	10.0	74791	0.8064	20.0	150854	0.8518	50.0	387804	0.8342
Methyl acetate	10.0	31080	0.3351	20.0	60420	0.3411	50.0	153396	0.3300
Methylcyclohexane	10.0	46537	0.5018	20.0	106463	0.6011	50.0	264052	0.5680
Methylene Chloride	10.0	28750	0.3100	20.0	60077	0.3392	50.0	150164	0.3230
Styrene	10.0	84483	1.040	20.0	187514	1.251	50.0	483537	1.115
Tetrachloroethene	10.0	26003	0.3202	20.0	53957	0.3600	50.0	132242	0.3049
Trichloroethene	10.0	33000	0.3558	20.0	71761	0.4052	50.0	177506	0.3818

Login Number: L0606648

Instrument ID: HPMS9

Analytical Method: 8260B

Initial Calibration Date: 07-JUN-06 16:04

Column ID: F

Analyte	WG214755-08			WG214755-09		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	100	311473	0.3250	200	634703	0.3243
1,2-Dichloropropane	100	321654	0.3356	200	664876	0.3397
Chloroform	100	585631	0.6111	200	1204213	0.6152
Ethylbenzene	100	509480	0.6030	200	1006551	0.5813
Toluene	100	1337947	1.584	200	2686151	1.551
Vinyl Chloride	100	245065	0.2557	200	440892	0.2252
1,1,2,2-Tetrachloroethane	100	330079	0.7039	200	688909	0.7391
1,1-Dichloroethane	100	627599	0.6549	200	1281995	0.6549
Bromoform	100	216507	0.2562	200	431935	0.2495
Chlorobenzene	100	948907	1.123	200	1890338	1.092
Chloromethane	100	376715	0.3931	200	740141	0.3781
1,1,1-Trichloroethane	100	579748	0.6049	200	1162619	0.5940
1,1,2-Trichloro-1,2,2-Trifluoroethane	100	362700	0.3785	200	724343	0.3700
1,1,2-Trichloroethane	100	261106	0.3090	200	531820	0.3072
1,2,4-Trichlorobenzene	100	503057	1.073	200	1022521	1.097
1,2-Dibromo-3-Chloropropane	100	80514	0.1717	200	178527	0.1915
1,2-Dibromoethane	100	284013	0.3361	200	585954	0.3384
1,2-Dichlorobenzene	100	709982	1.514	200	1399950	1.502
1,2-Dichloroethane	100	506257	0.5283	200	1021303	0.5218
1,3-Dichlorobenzene	100	762761	1.627	200	1483295	1.591
1,4-Dichlorobenzene	100	773505	1.650	200	1495654	1.605
2-Butanone	100	134140	0.1400	200	294004	0.1502
2-Hexanone	100	223561	0.2646	200	469604	0.2712
4-Methyl-2-Pentanone	100	117798	0.1229	200	251480	0.1285
Acetone	100	100601	0.1050	200	215888	0.1103
Benzene	100	1205845	1.258	200	2419810	1.236
Bromodichloromethane	100	418680	0.4369	200	862518	0.4406
Bromomethane	100	166288	0.1735	200	332566	0.1699
Carbon Disulfide	100	982360	1.025	200	2002116	1.023
Carbon Tetrachloride	100	550592	0.5745	200	1107963	0.5660
Chloroethane	100	242810	0.2534	200	476547	0.2435
Cyclohexane	100	620670	0.6476	200	1258343	0.6429
Dibromochloromethane	100	342991	0.4059	200	707888	0.4088
Dichlorodifluoromethane	100	435530	0.4545	200	850957	0.4347
Isopropylbenzene	100	1602012	1.896	200	3139228	1.813
Methyl Tert Butyl Ether	100	816078	0.8515	200	1713155	0.8752
Methyl acetate	100	312045	0.3256	200	673194	0.3439
Methylcyclohexane	100	571890	0.5967	200	1152830	0.5890
Methylene Chloride	100	309157	0.3226	200	631237	0.3225
Styrene	100	1036601	1.227	200	2036895	1.176
Tetrachloroethene	100	280043	0.3314	200	555617	0.3209
Trichloroethene	100	373317	0.3895	200	759606	0.3881

KEMRON FORMS - Modified 03/06/2006
Version 1.6 PDF File ID: 515394
Report generated 07/12/2006 15:55

Login Number: L0606648Instrument ID: HPMS9Analytical Method: 8260BInitial Calibration Date: 07-JUN-06 16:04Column ID: F

Analyte	WG214755-02			WG214755-03			WG214755-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Trichlorofluoromethane	NA	NA	NA	2.00	11811	0.6364	5.00	29734	0.6621
cis-1,2-Dichloroethene	NA	NA	NA	2.00	5827	0.3140	5.00	14905	0.3319
cis-1,3-Dichloropropene	NA	NA	NA	2.00	7255	0.3909	5.00	19920	0.4436
m-,p-Xylene	1.00	4945	0.6521	4.00	21224	0.6687	10.0	56545	0.7428
o-Xylene	0.500	1860	0.4906	2.00	8768	0.5525	5.00	24867	0.6533
trans-1,2-Dichloroethene	NA	NA	NA	2.00	5675	0.3058	5.00	15003	0.3341
trans-1,3-Dichloropropene	NA	NA	NA	2.00	6719	0.4234	5.00	19952	0.5242

Login Number: L0606648Instrument ID: HPMS9Analytical Method: 8260BInitial Calibration Date: 07-JUN-06 16:04Column ID: F

Analyte	WG214755-05			WG214755-06			WG214755-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Trichlorofluoromethane	10.0	61471	0.6628	20.0	131744	0.7439	50.0	328488	0.7066
cis-1,2-Dichloroethene	10.0	29258	0.3155	20.0	64649	0.3650	50.0	160940	0.3462
cis-1,3-Dichloropropene	10.0	41284	0.4452	20.0	90774	0.5125	50.0	233440	0.5021
m-,p-Xylene	20.0	114185	0.7029	40.0	245098	0.8176	100	601747	0.6936
o-Xylene	10.0	51490	0.6340	20.0	112484	0.7504	50.0	284059	0.6548
trans-1,2-Dichloroethene	10.0	29270	0.3156	20.0	64028	0.3615	50.0	158688	0.3413
trans-1,3-Dichloropropene	10.0	41692	0.5133	20.0	90259	0.6022	50.0	232705	0.5365

Login Number: L0606648Instrument ID: HPMS9Analytical Method: 8260BInitial Calibration Date: 07-JUN-06 16:04Column ID: F

Analyte	WG214755-08			WG214755-09		
	CONC	RESP	RF	CONC	RESP	RF
Trichlorofluoromethane	100	671196	0.7004	200	1322495	0.6756
cis-1,2-Dichloroethene	100	340519	0.3553	200	698048	0.3566
cis-1,3-Dichloropropene	100	502468	0.5243	200	1041915	0.5323
m-,p-Xylene	200	1264837	0.7485	400	2440253	0.7047
o-Xylene	100	607445	0.7189	200	1208525	0.6980
trans-1,2-Dichloroethene	100	331507	0.3459	200	681122	0.3480
trans-1,3-Dichloropropene	100	488234	0.5778	200	993845	0.5740

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00061519

Login Number: L0606648	Run Date: 06/07/2006	Sample ID: WG214755-10
Instrument ID: HPMS9	Run Time: 16:36	Method: 8260B
File ID: 9M46664	Analyst: MES	
ICal Workgroup: WG214755	Cal ID: HPMS9 - 07-JUN-06	

Analyte		Expected	Found	RF	%D	UNITS	Q
1,1-Dichloroethene	CCC	20	19.1	0.293	4.5	ug/kg	
1,2-Dichloropropane	CCC	20	21.0	0.342	4.9	ug/kg	
Chloroform	CCC	20	21.1	0.642	5.4	ug/kg	
Ethylbenzene	CCC	20	22.5	0.647	12.5	ug/kg	
Toluene	CCC	20	21.2	1.64	6	ug/kg	
Vinyl Chloride	CCC	20	19.7	0.271	1.6	ug/kg	
1,1,2,2-Tetrachloroethane	SPCC	20	21.4	0.766	7.2	ug/kg	
1,1-Dichloroethane	SPCC	20	20.1	0.652	.6	ug/kg	
Bromoform	SPCC	20	21.8	0.259	9.2	ug/kg	
Chlorobenzene	SPCC	20	21.2	1.19	6.2	ug/kg	
Chloromethane	SPCC	20	19.2	0.395	4.2	ug/kg	
1,1,1-Trichloroethane		20	21.3	0.623	6.5	ug/kg	
1,1,2-Trichloro-1,2,2-Trifluoroethane		20	21.0	0.394	5.2	ug/kg	
1,1,2-Trichloroethane		20	22.0	0.339	10	ug/kg	
1,2,4-Trichlorobenzene		20	20.6	1.07	2.9	ug/kg	
1,2-Dibromo-3-Chloropropane		20	20.2	0.162	.8	ug/kg	
1,2-Dibromoethane		20	21.8	0.357	9.2	ug/kg	
1,2-Dichlorobenzene		20	21.3	1.61	6.3	ug/kg	
1,2-Dichloroethane		20	21.3	0.566	6.6	ug/kg	
cis-1,2-Dichloroethene		20	20.7	0.352	3.4	ug/kg	
trans-1,2-Dichloroethene		20	19.7	0.330	1.7	ug/kg	
1,3-Dichlorobenzene		20	20.8	1.73	3.9	ug/kg	
1,4-Dichlorobenzene		20	20.8	1.78	4.1	ug/kg	
2-Butanone		20	21.0	0.153	4.9	ug/kg	
2-Hexanone		20	18.9	0.256	5.4	ug/kg	
4-Methyl-2-Pentanone		20	20.4	0.125	2.1	ug/kg	
Acetone		20	21.5	0.130	7.3	ug/kg	
Benzene		20	20.2	1.25	1.2	ug/kg	
Bromodichloromethane		20	22.5	0.466	12.6	ug/kg	
Bromomethane		20	18.0	0.139	9.8	ug/kg	
Carbon Disulfide		20	20.5	1.01	2.4	ug/kg	
Carbon Tetrachloride		20	21.8	0.588	9.2	ug/kg	
Chloroethane		20	20.1	0.239	.4	ug/kg	
cis-1,3-Dichloropropene		20	21.5	0.515	7.5	ug/kg	
Cyclohexane		20	20.9	0.637	4.6	ug/kg	
Dibromochloromethane		20	22.1	0.413	10.6	ug/kg	
Dichlorodifluoromethane		20	17.2	0.391	14.2	ug/kg	
Isopropylbenzene		20	21.0	1.83	5.1	ug/kg	
Methyl acetate		20	23.0	0.394	15	ug/kg	
Methyl Tert Butyl Ether		20	20.7	0.872	3.4	ug/kg	
Methylcyclohexane		20	21.9	0.593	9.6	ug/kg	
Methylene Chloride		20	19.5	0.316	2.6	ug/kg	

KEMRON FORMS - Modified 04/11/2006
Version 1.5 PDF File ID: 515395
Report generated 07/12/2006 15:55

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00061520

Login Number: L0606648 Run Date: 06/07/2006 Sample ID: WG214755-10
Instrument ID: HPMS9 Run Time: 16:36 Method: 8260B
File ID: 9M46664 Analyst: MES
ICal Workgroup: WG214755 Cal ID: HPMS9 - 07-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Styrene		20	22.3	1.23	11.6	ug/kg	
Tetrachloroethene		20	21.8	0.355	9.1	ug/kg	
trans-1,3-Dichloropropene		20	20.0	0.537	.2	ug/kg	
Trichloroethene		20	20.9	0.394	4.5	ug/kg	
Trichlorofluoromethane		20	18.7	0.641	6.4	ug/kg	
m-,p-Xylene		40	44.9	0.804	12.3	ug/kg	
o-Xylene		20	22.7	0.731	13.5	ug/kg	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
CONTINUING CALIBRATION VERIFICATION (CCV)

00061521

Login Number: L0606648	Run Date: 07/05/2006	Sample ID: WG216607-02
Instrument ID: HPMS9	Run Time: 10:35	Method: 8260B
File ID: 9M47049	Analyst: MES	
Workgroup (AAB#): WG216608	Cal ID: HPMS9 - 07-JUN-06	

Analyte		Expected	Found	RF	%D	UNITS	Q
1,1-Dichloroethene	CCC	50	54.9	0.337	9.7	ug/kg	
1,2-Dichloropropane	CCC	50	52.6	0.343	5.3	ug/kg	
Chloroform	CCC	50	55.8	0.680	11.7	ug/kg	
Ethylbenzene	CCC	50	45.8	0.527	8.3	ug/kg	
Toluene	CCC	50	44.5	1.38	10.9	ug/kg	
Vinyl Chloride	CCC	50	54.5	0.301	9	ug/kg	
1,1,2,2-Tetrachloroethane	SPCC	50	43.7	0.624	12.7	ug/kg	
1,1-Dichloroethane	SPCC	50	54.2	0.701	8.3	ug/kg	
Bromoform	SPCC	50	53.6	0.254	7.2	ug/kg	
Chlorobenzene	SPCC	50	44.0	0.982	12.1	ug/kg	
Chloromethane	SPCC	50	48.9	0.404	2.1	ug/kg	
1,1,1-Trichloroethane		50	59.2	0.693	18.4	ug/kg	
1,1,2-Trichloro-1,2,2-Trifluoroethane		50	54.3	0.407	8.6	ug/kg	
1,1,2-Trichloroethane		50	45.3	0.279	9.4	ug/kg	
1,2,4-Trichlorobenzene		50	43.0	0.894	13.9	ug/kg	
1,2-Dibromo-3-Chloropropane		50	49.1	0.158	1.9	ug/kg	
1,2-Dibromoethane		50	46.7	0.305	6.5	ug/kg	
1,2-Dichlorobenzene		50	42.6	1.29	14.8	ug/kg	
1,2-Dichloroethane		50	57.0	0.605	13.9	ug/kg	
cis-1,2-Dichloroethene		50	54.1	0.369	8.2	ug/kg	
trans-1,2-Dichloroethene		50	54.4	0.365	8.7	ug/kg	
1,3-Dichlorobenzene		50	41.3	1.38	17.4	ug/kg	
1,4-Dichlorobenzene		50	41.2	1.41	17.7	ug/kg	
2-Butanone		50	58.2	0.169	16.4	ug/kg	
2-Hexanone		50	49.4	0.267	1.3	ug/kg	
4-Methyl-2-Pentanone		50	60.9	0.149	21.8	ug/kg	
Acetone		50	66.6	0.140	33.2	ug/kg	
Benzene		50	53.3	1.32	6.6	ug/kg	
Bromodichloromethane		50	58.4	0.483	16.9	ug/kg	
Bromomethane		50	64.1	0.198	28.3	ug/kg	
Carbon Disulfide		50	51.1	1.01	2.1	ug/kg	
Carbon Tetrachloride		50	61.3	0.660	22.6	ug/kg	
Chloroethane		50	56.8	0.271	13.6	ug/kg	
cis-1,3-Dichloropropene		50	57.5	0.550	14.9	ug/kg	
Cyclohexane		50	54.2	0.661	8.5	ug/kg	
Dibromochloromethane		50	49.8	0.372	.5	ug/kg	
Dichlorodifluoromethane		50	50.4	0.459	.7	ug/kg	
Isopropylbenzene		50	47.4	1.66	5.1	ug/kg	
Methyl acetate		50	47.8	0.328	4.4	ug/kg	
Methyl Tert Butyl Ether		50	52.3	0.883	4.6	ug/kg	
Methylcyclohexane		50	58.1	0.628	16.2	ug/kg	
Methylene Chloride		50	53.7	0.348	7.4	ug/kg	

KEMRON FORMS - Modified 06/21/2006
Version 1.3 PDF File ID: 515398
Report generated 07/12/2006 15:55

KEMRON Environmental Services
CONTINUING CALIBRATION VERIFICATION (CCV)

00061522

Login Number: L0606648 Run Date: 07/05/2006 Sample ID: WG216607-02
Instrument ID: HPMS9 Run Time: 10:35 Method: 8260B
File ID: 9M47049 Analyst: MES
Workgroup (AAB#): WG216608 Cal ID: HPMS9 - 07-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Styrene		50	47.8	1.05	4.4	ug/kg	
Tetrachloroethene		50	45.6	0.297	8.7	ug/kg	
trans-1,3-Dichloropropene		50	48.9	0.524	2.3	ug/kg	
Trichloroethene		50	54.2	0.409	8.4	ug/kg	
Trichlorofluoromethane		50	58.7	0.803	17.4	ug/kg	
m-,p-Xylene		100	92.5	0.663	7.5	ug/kg	
o-Xylene		50	48.1	0.619	3.9	ug/kg	

* Exceeds %D Criteria

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061523

Login Number: L0606648
Instrument ID: HPMS9
Workgroup (AAB#): WG216608

CCV Number: WG216607-02
CAL ID: HPMS9 - 07-JUN-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG216607-02	NA	NA	314932	525805	488800
Upper Limit	NA	NA	629864	1051610	977600
Lower Limit	NA	NA	157466	262903	244400
L0606648-01	1.00	01	291187	501325	477058
L0606648-02	1.00	01	291839	512169	492797
L0606648-03	1.00	01	252990	481782	471989
L0606648-04	1.00	01	294899	497860	470660
WG216608-01	1.00	01	287986	503374	485501
WG216608-02	1.00	01	308455	518442	483706
WG216608-03	1.00	01	310505	517972	481551

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061524

Login Number: L0606648
Instrument ID: HPMS9
Workgroup (AAB#): WG216608

CCV Number: WG216607-02
CAL ID: HPMS9 - 07 - JUN - 06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG216607-02	NA	NA	15.33	12.36	8.51
Upper Limit	NA	NA	15.83	12.86	9.01
Lower Limit	NA	NA	14.83	11.86	8.01
L0606648-01	1.00	01	15.34	12.36	8.51
L0606648-02	1.00	01	15.34	12.36	8.51
L0606648-03	1.00	01	15.33	12.36	8.52
L0606648-04	1.00	01	15.34	12.36	8.51
WG216608-01	1.00	01	15.34	12.35	8.51
WG216608-02	1.00	01	15.34	12.36	8.52
WG216608-03	1.00	01	15.33	12.36	8.51

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

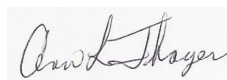
Underline = Response outside limits

KEMRON Environmental Services
Data Checklist

Date: 05-JUL-2006
Analyst: ALT
Analyst: NA
Method: 8270
Instrument: HPMS4
Curve Workgroup: NA
Runlog ID: 11090
Analytical Workgroups: L0606576, L0606648

System Performance Check:	
DFTPP	X
Endrin/DDT Breakdown	X
Initial Calibration:	NA
Average RF	NA
Linear Reg or Higher Order Curve	NA
Second Source standard % Difference	NA
Continuing Calibration /Check Standards:	X
Project/Client Specific Requirements	X
Special Standards	X
Blanks:	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample):	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	NA
Samples:	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	NA
Dilutions Run	X
Reruns	NA
Manual Integrations	X
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	ALT
Secondary Reviewer	MDC
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X
Comments:	

Primary Reviewer:
06-JUL-2006



Secondary Reviewer:
06-JUL-2006



KEMRON Environmental Services

Instrument Run Log

Instrument: HPMS4 Dataset: 062506
 Analyst1: MDC Analyst2: NA
 Method: 8270C SOP: MSS01 Rev: 14

Maintenance Log ID: 14467

Column 1 ID: RTI-5MS Column 2 ID: NA

Workgroups:

Internal Standard: STD12522 Surrogate Standard: NA

Comments: 4M33460-4M33465: experimental runs, not used. Appendix IX ICAL fails for famphur, hexachlorophene, kepone. Benzidine ICAL taken from Appendix IX run.

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	4M33460	50PPM BNA Megamix	1	1	STD12520	06/25/06 08:26
2	4M33461	50PPM BNA NSI	1	1	STD12496	06/25/06 09:01
3	4M33462	50PPM Accustandard	1	1	SOS78-17	06/25/06 09:37
4	4M33463	50PPM BNA Megamix REMIX	1	1	STD12520	06/25/06 10:23
5	4M33464	50PPM NSI A9 spike	1	1	STD10902	06/25/06 10:59
6	4M33465	50PPM NSI A9 spike RR	1	1	STD10902	06/25/06 11:36
7	4M33466	WG216025-01 50PPM DFTPP	1	1	SOS78-44	06/25/06 12:15
8	4M33467	WG516025-02 50PPM BNA STD	1	1	SOS78-17	06/25/06 12:34
9	4M33468	WG216025-03 3PPM BNA STD	1	1	SOS78-17	06/25/06 13:09
10	4M33469	WG216025-04 15PPM BNA STD	1	1	SOS78-17	06/25/06 13:43
11	4M33470	WG216025-05 25PPM BNA STD	1	1	SOS78-17	06/25/06 14:18
12	4M33471	WG216025-06 80PPM BNA STD	1	1	SOS78-17	06/25/06 14:53
13	4M33472	WG216025-07 100PPM BNA STD	1	1	SOS78-17	06/25/06 15:27
14	4M33473	WG216025-08 120PPM BNA STD	1	1	SOS78-17	06/25/06 16:02
15	4M33474	WG216025-02 50PPM BNA STD RR	1	1	SOS78-17	06/25/06 16:37
16	4M33475	50PPM Megamix std for App. IX	1	1	STD12520	06/25/06 17:12
17	4M33476	3PPM Megamix std for App. IX	1	1	STD12520	06/25/06 17:46
18	4M33477	15PPM Megamix std for App. IX	1	1	STD12520	06/25/06 18:21
19	4M33478	25PPM Megamix std for App. IX	1	1	STD12520	06/25/06 18:55
20	4M33479	80PPM Megamix std for App. IX	1	1	STD12520	06/25/06 19:30
21	4M33480	100PPM Megamix std for App. IX	1	1	STD12520	06/25/06 20:05
22	4M33481	120PPM Megamix std for App. IX	1	1	STD12520	06/25/06 20:39
23	4M33482	WG216025-09 50PPM BN	1	1	STD12496	06/25/06 21:14
24	4M33483	50PPM Appendix IX alt source	1	1	STD10902	06/25/06 21:49

Comments

Seq.	Rerun	Dil.	Reason	Analytes
8	X			
24				
			1- and 2-naphthylamine, 4-aminobiphenyl>25%D.	



KEMRON Environmental Services

Instrument Run Log

Instrument: HPMS4 Dataset: 070506
 Analyst1: ALT Analyst2: NA
 Method: 8270C SOP: MSS01 Rev: 14
 Method: 625 SOP: MSS02 Rev: 8

Maintenance Log ID: 14567

Column 1 ID: RTI-5MS Column 2 ID: NA
 Workgroups: WG216698, wg216707
 Internal Standard: STD13351 Surrogate Standard: NA

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	4M33523	WG216620-01 50PPM DFTPP	1	1	SOS78-44	07/05/06 09:35
2	4M33524	WG216620-02 50PPM BNA STD	1	1	SOS78-17	07/05/06 09:54
3	4M33525	WG216620-02 50PPM BNA STD	1	1	SOS78-17	07/05/06 10:29
4	4M33526	50PPM TCL STD	1	1	STD12739	07/05/06 11:05
5	4M33527	3PPM TCL STD	1	1	STD12739	07/05/06 11:39
6	4M33528	15PPM TCL STD	1	1	STD12739	07/05/06 12:14
7	4M33529	25PPM TCL STD	1	1	STD12739	07/05/06 12:49
8	4M33530	80PPM TCL STD	1	1	STD12739	07/05/06 13:25
9	4M33531	100PPM TCL STD	1	1	STD12739	07/05/06 14:00
10	4M33532	50PPM Alt TCL STD	1	1	STD13578	07/05/06 14:35
11	4M33533	WG216303-01 BLK 6/28 EP263P5	7	1	SOIL	07/05/06 15:10
12	4M33534	WG216303-02 LCS 6/28 EP263P5	7	1	SOIL	07/05/06 15:45
13	4M33535	WG216303-03 LCSDUP 6/28 EP263P5	7	1	SOIL	07/05/06 16:20
14	4M33536	L0606576-02 SOIL	7	1	SOIL	07/05/06 16:55
15	4M33537	WG216476-01 BLK 6/30 EP263P21	7	1	SOIL	07/05/06 17:30
16	4M33538	WG216476-02 LCS 6/30 EP263P21	7	1	SOIL	07/05/06 18:04
17	4M33539	WG216476-03 LCSDUP 6/30 EP263P21	7	1	SOIL	07/05/06 18:39
18	4M33540	L0606648-02 SOIL	7	1	SOIL	07/05/06 19:14
19	4M33541	L0606648-04 SOIL	7	1	SOIL	07/05/06 19:49
20	4M33542	L0606648-01 2X SOIL	7	2	SOIL	07/05/06 20:24
21	4M33543	L0606648-03 5X SOIL	7	5	SOIL	07/05/06 20:59
22	4M33544	BAKE OUT	1	1		07/05/06 21:35
23	4M33545	BAKE OUT	1	1		07/05/06 22:10
24	4M33546	BAKE OUT	1	1		07/05/06 22:45

Comments

Seq.	Rerun	Dil.	Reason	Analytes
2				
			WG216620-02 50PPM BNA STD - aniline, 4-chloroaniline and 3-nitroaniline > 20% biased low, rerun to verify - not used, not reported	
3				
			WG216620-02 50PPM BNA STD - 4-chloroaniline and 3-nitroaniline > 20% biased low - reported	
16				
			WG216476-02 LCS - 4-chloroaniline and 2-nitrophenol low	
20				
			L0606648-01 2X SOIL - diluted due to extract viscosity	



KEMRON Environmental Services
Instrument Run Log

Instrument: HPMS4 Dataset: 070506
Analyst1: ALT Analyst2: NA
Method: 8270C SOP: MSS01 Rev: 14
Method: 625 SOP: MSS02 Rev: 8

Maintenance Log ID: 14567

Column 1 ID: RTI-5MS Column 2 ID: NA
Workgroups: WG216698, wg216707
Internal Standard: STD13351 Surrogate Standard: NA

Comments

Seq.	Rerun	Dil.	Reason	Analytes
21				
			L0606648-03 5X SOIL - diluted due to extract viscosity	



Parameter: BNA Soil SOP #: EXASE01 Revision #: 6
Extraction Analyst(s): CPD TV/KD Analyst(s): CSH
Date/Time Extracted: 06/30/06 10:30 Date TV/KD: 6-30-06
Spike/Surrogate Analyst: CPD Witness: CEB
Surrogate #: STD 13180 Earliest Hold Date: 7/12
Spike #: A = STD 13181 Spike #: B = —

Extraction Work Group WG 216476

Extract Relinquished By: CSH
Extract Received By & Date: OKJ/6/30/06

	Sample ID	Test Code	pH			Initial Vol / Wt	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Emulsions			Comments
			<2	N	>12						A	BN	N	
1	Blank					20.00g	500uL		1mL	T				WG 216476-01
2	LCS					1	500uL		1	C				WG 1-02
3	LCS sp					1	1		1	L				WG 1-03
4	06-648-0	8270				20.18g				O				
5	-02	1				20.86g				C				
6	-03	1				20.37g				O				
7	-04	1				20.45g				C				
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

CSH 6-30-06

Methylene Chloride Lot #: C12 E30
Hexane Lot #: —
Ether Lot #: —
Methanol Lot #: —
Solvent: — Lot #: —
Reagent: Sand Lot #: C02614
Reagent: DE Lot #: B33422
Reagent: — Lot #: —
Acid: 1% Acetic Lot #: R6T 10308
Florisil Lot #: —
Silica Gel Lot #: —
IR Analyst / Date / Time: —
Dried Na₂SO₄ Lot #: B5 1580

Color Code
T = Transparent
C = Colored
O = Opaque

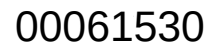
SW-846 Method		On	Off	On	Off
Continuous	3520C				
Soxhlet	3540C				
ASE*	3545	✓			
Sep Funnel	3510C				
Sonication	3550B				
Waste	3580A				

* Accelerated Solvent Extractor (ASE)

Clean-ups			
Florisil 3620B		GPC 3640A	
Silica Gel 3630C		Other	
Acid 3665A		N/A	✓
Sulfur 3660B			

Peer Reviewed By: Chris Hill

Date: 6-30-06



Document Control No.: EP0263 Page 22 of 200

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Supervisor Review: _____ Date: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061531

Analytical Method: 8270C
Login Number: L0606648

AAB#: WG216707

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
07SB03 (0-1)	06/28/06	06/29/06	06/30/06	14	1.87	07/05/06	40	5.50	
07SB03 (3-4)	06/28/06	06/29/06	06/30/06	14	1.77	07/05/06	40	5.45	
07SB04 (0-1)	06/28/06	06/29/06	06/30/06	14	1.76	07/05/06	40	5.52	
07SB04 (3-4)	06/28/06	06/29/06	06/30/06	14	1.74	07/05/06	40	5.47	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

00061532

Login Number: L0606648

Instrument Id: HPMS4

Workgroup (AAB#): WG216707

Method: 8270

CAL ID: HPMS4 - 25-JUN-06

Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3	4	5	6
L0606648-01	2.00	DL01	58.3	59.6	38.0	51.8	75.7	52.6
L0606648-02	1.00	01	32.5	46.8	34.3	48.9	76.8	41.3
L0606648-03	5.00	DL01	77.2	79.8	49.8	67.3	85.4	64.1
L0606648-04	1.00	01	67.2	63.3	53.5	63.5	82.4	60.3
WG216476-01	1.00	01	55.0	47.8	42.0	46.6	78.8	45.4
WG216476-02	1.00	01	73.4	43.5	36.2	39.3	77.2	40.9
WG216476-03	1.00	01	80.3	63.2	50.1	53.9	80.0	58.8

Surrogates	Surrogate Limits
1 - 2,4,6-Tribromophenol	19 - 122
2 - 2-Fluorobiphenyl	30 - 115
3 - 2-Fluorophenol	25 - 121
4 - Nitrobenzene-d5	23 - 120
5 - P-Terphenyl-d14	18 - 137
6 - Phenol-d5	24 - 113

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

METHOD BLANK SUMMARY

Login Number: L0606648
Blank File ID: 4M33537
Date Analyzed: 07/05/06
Time Analyzed: 17:30
Analyst: ALT

Work Group: WG216707
Blank Sample ID: WG216476-01
Instrument ID: HPMS4
Method: 8270C

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216476-02	4M33538	07/05/06 18:04	01
LCS2	WG216476-03	4M33539	07/05/06 18:39	01
07SB03 (3-4)	L0606648-02	4M33540	07/05/06 19:14	01
07SB04 (3-4)	L0606648-04	4M33541	07/05/06 19:49	01
07SB03 (0-1)	L0606648-01	4M33542	07/05/06 20:24	DL01
07SB04 (0-1)	L0606648-03	4M33543	07/05/06 20:59	DL01

Login Number: L0606648 Run Date: 07/05/2006 Sample ID: WG216476-01
 Instrument ID: HPMS4 Run Time: 17:30 Prep Method: 3545
 File ID: 4M33537 Analyst: ALT Method: 8270C
 Workgroup (AAB#): WG216707 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS4 - 25-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
2,4,5-Trichlorophenol	82.5	165	82.5	1	U
2,4,6-Trichlorophenol	82.5	165	82.5	1	U
2,4-Dichlorophenol	82.5	165	82.5	1	U
2,4-Dimethylphenol	82.5	165	82.5	1	U
2,4-Dinitrophenol	330	825	330	1	U
2,4-Dinitrotoluene	82.5	165	82.5	1	U
2,6-Dinitrotoluene	82.5	165	82.5	1	U
2-Chloronaphthalene	82.5	165	82.5	1	U
2-Chlorophenol	82.5	165	82.5	1	U
2-Methylnaphthalene	82.5	165	82.5	1	U
2-Methylphenol	82.5	165	82.5	1	U
2-Nitroaniline	330	825	330	1	U
2-Nitrophenol	82.5	165	82.5	1	U
3,3'-Dichlorobenzidine	165	330	165	1	U
3-,4-Methylphenol	82.5	165	82.5	1	U
3-Nitroaniline	330	825	330	1	U
4,6-Dinitro-2-methylphenol	330	825	330	1	U
4-Bromophenyl-phenylether	82.5	165	82.5	1	U
4-Chloro-3-methylphenol	82.5	165	82.5	1	U
4-Chloroaniline	82.5	165	82.5	1	U
4-Chlorophenyl-phenyl ether	82.5	165	82.5	1	U
4-Nitroaniline	330	825	330	1	U
4-Nitrophenol	330	825	330	1	U
Acenaphthene	82.5	165	82.5	1	U
Acenaphthylene	82.5	165	82.5	1	U
Acetophenone	82.5	165	82.5	1	U
Anthracene	82.5	165	82.5	1	U
Benzo(a)anthracene	82.5	165	82.5	1	U
Benzo(a)pyrene	82.5	165	82.5	1	U
Benzo(b)fluoranthene	82.5	165	82.5	1	U
Benzo(g,h,i)Perylene	82.5	165	82.5	1	U
Benzo(k)fluoranthene	82.5	165	82.5	1	U
Bis(2-Chloroethoxy)Methane	82.5	165	82.5	1	U
Bis(2-Chloroethyl)ether	82.5	165	82.5	1	U
bis(2-Chloroisopropyl)ether	82.5	165	82.5	1	U
bis(2-Ethylhexyl)phthalate	82.5	165	82.5	1	U
Butylbenzylphthalate	82.5	165	82.5	1	U
Carbazole	82.5	165	82.5	1	U
Chrysene	82.5	165	82.5	1	U
Di-N-Butylphthalate	82.5	165	129	1	J
Di-n-octylphthalate	82.5	165	82.5	1	U
Dibenzo(a,h)Anthracene	82.5	165	82.5	1	U

KEMRON FORMS - Modified 07/06/2006
 Version 1.5 PDF File ID: 510432
 Report generated 07/06/2006 13:10

Login Number: L0606648 Run Date: 07/05/2006 Sample ID: WG216476-01
 Instrument ID: HPMS4 Run Time: 17:30 Prep Method: 3545
 File ID: 4M33537 Analyst: ALT Method: 8270C
 Workgroup (AAB#): WG216707 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS4 - 25-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Dibenzofuran	82.5	165	82.5	1	U
Diethylphthalate	82.5	165	82.5	1	U
Dimethylphthalate	82.5	165	82.5	1	U
Fluoranthene	82.5	165	82.5	1	U
Fluorene	82.5	165	82.5	1	U
Hexachlorobenzene	82.5	165	82.5	1	U
Hexachlorobutadiene	82.5	165	82.5	1	U
Hexachlorocyclopentadiene	82.5	165	82.5	1	U
Hexachloroethane	82.5	165	82.5	1	U
Indeno(1,2,3-cd)pyrene	82.5	165	82.5	1	U
Isophorone	82.5	165	82.5	1	U
N-Nitroso-di-n-propylamine	82.5	165	82.5	1	U
N-Nitrosodiphenylamine	82.5	165	82.5	1	U
Naphthalene	82.5	165	82.5	1	U
Nitrobenzene	82.5	165	82.5	1	U
Pentachlorophenol	330	825	330	1	U
Phenanthrene	82.5	165	82.5	1	U
Phenol	82.5	165	82.5	1	U
Pyrene	82.5	165	82.5	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,6-Tribromophenol	55.0	19 - 122	PASS
2-Fluorobiphenyl	47.8	30 - 115	PASS
2-Fluorophenol	42.0	25 - 121	PASS
Nitrobenzene-d5	46.6	23 - 120	PASS
P-Terphenyl-d14	78.8	18 - 137	PASS
Phenol-d5	45.4	24 - 113	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

Login Number: L0606648 Analyst: ALT Prep Method: 3545
 Instrument ID: HPMS4 Matrix: Soil Method: 8270C
 Workgroup (AAB#): WG216707 Units: ug/kg
 Sample ID: WG216476-02 LCS File ID: 4M33538 Run Date: 07/05/2006 18:04
 Sample ID: WG216476-03 LCS2 File ID: 4M33539 Run Date: 07/05/2006 18:39

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
2,4,5-Trichlorophenol	2500	1200	48.1	2500	1660	66.2	31.8	40 - 110	63	
2,4,6-Trichlorophenol	2500	1120	44.9	2500	1610	64.6	35.8	40 - 110	63	
2,4-Dichlorophenol	2500	928	37.1	2500	1370	54.9	38.7	35 - 110	53	
2,4-Dimethylphenol	2500	986	39.5	2500	1430	57.3	36.9	30 - 105	57	
2,4-Dinitrophenol	2500	1530	61.1	2500	1720	68.9	11.9	40 - 130	72	
2,4-Dinitrotoluene	2500	2180	87.4	2500	2270	90.6	3.62	50 - 130	75	
2,6-Dinitrotoluene	2500	1600	63.9	2500	1890	75.4	16.6	50 - 125	69	
2-Chloronaphthalene	2500	1090	43.6	2500	1590	63.5	37.1	40 - 105	50	
2-Chlorophenol	2500	935	37.4	2500	1360	54.3	36.9	35 - 105	47	
2-Methylnaphthalene	2500	980	39.2	2500	1380	55.1	33.7	35 - 115	49	
2-Methylphenol	2500	979	39.2	2500	1440	57.5	37.9	35 - 100	52	
2-Nitroaniline	2500	1470	58.7	2500	1820	72.8	21.5	45 - 120	67	
2-Nitrophenol	2500	810	32.4	2500	1240	49.6	41.9	35 - 100	60	*
3,3'-Dichlorobenzidine	2500	2090	83.6	2500	2780	111	28.4	40 - 140	135	
3-,4-Methylphenol	2500	970	38.8	2500	1480	59.1	41.4	35 - 105	52	
3-Nitroaniline	2500	1740	69.8	2500	2010	80.6	14.4	50 - 130	86	
4,6-Dinitro-2-methylphenol	2500	1470	58.8	2500	1630	65.1	10.2	45 - 130	86	
4-Bromophenyl-phenylether	2500	1470	58.6	2500	1660	66.4	12.5	40 - 115	58	
4-Chloro-3-methylphenol	2500	1110	44.4	2500	1500	60.0	29.9	40 - 100	62	
4-Chloroaniline	2500	444	17.8	2500	1320	52.9	99.5	35 - 100	73	*
4-Chlorophenyl-phenyl ether	2500	1410	56.4	2500	1760	70.4	22.2	40 - 110	64	
4-Nitroaniline	2500	1780	71.0	2500	1840	73.6	3.54	35 - 140	95	
4-Nitrophenol	2500	1770	70.7	2500	1950	78.0	9.72	45 - 140	99	
Acenaphthene	2500	1240	49.7	2500	1710	68.5	31.7	40 - 110	70	
Acenaphthylene	2500	1240	49.4	2500	1730	69.0	33.1	40 - 110	53	
Acetophenone	2500	1060	42.4	2500	1500	60.0	34.2	40 - 140	40	
Anthracene	2500	2070	82.7	2500	2200	88.1	6.38	55 - 130	72	
Benzo(a)anthracene	2500	2270	90.7	2500	2420	96.9	6.68	50 - 130	83	
Benzo(a)pyrene	2500	2220	88.8	2500	2380	95.2	7.00	50 - 130	72	
Benzo(b)fluoranthene	2500	2110	84.5	2500	2340	93.4	10.1	45 - 125	76	
Benzo(g,h,i)Perylene	2500	2010	80.6	2500	2160	86.4	6.92	40 - 140	85	
Benzo(k)fluoranthene	2500	2200	87.9	2500	2540	102	14.6	45 - 135	79	
Bis(2-Chloroethoxy)Methane	2500	1010	40.3	2500	1470	59.0	37.7	30 - 100	53	
Bis(2-Chloroethyl)ether	2500	1090	43.6	2500	1530	61.3	33.7	30 - 100	52	
bis(2-Chloroisopropyl)ether	2500	1080	43.0	2500	1570	62.9	37.5	20 - 115	49	
bis(2-Ethylhexyl)phthalate	2500	2310	92.3	2500	2470	98.6	6.66	50 - 150	83	
Butylbenzylphthalate	2500	2230	89.4	2500	2390	95.7	6.83	50 - 150	86	
Carbazole	2500	2360	94.6	2500	2480	99.2	4.72	50 - 140	99	
Chrysene	2500	2200	88.2	2500	2350	94.0	6.39	55 - 140	72	
Di-N-Butylphthalate	2500	2390	95.7	2500	2490	99.8	4.22	55 - 140	82	
Di-n-octylphthalate	2500	2320	92.9	2500	2510	100	7.70	40 - 145	96	
Dibenzo(a,h)Anthracene	2500	2080	83.3	2500	2240	89.6	7.31	40 - 140	88	

KEMRON FORMS - Modified 06/02/2006
 Version 1.5 PDF File ID: 510433
 Report generated 07/06/2006 13:10

Login Number: L0606648 Analyst: ALT Prep Method: 3545
 Instrument ID: HPMS4 Matrix: Soil Method: 8270C
 Workgroup (AAB#): WG216707 Units: ug/kg
 Sample ID: WG216476-02 LCS File ID: 4M33538 Run Date: 07/05/2006 18:04
 Sample ID: WG216476-03 LCS2 File ID: 4M33539 Run Date: 07/05/2006 18:39

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Dibenzofuran	2500	1290	51.8	2500	1720	68.8	28.2	35 - 110	55	
Diethylphthalate	2500	1990	79.8	2500	2150	86.0	7.51	50 - 130	70	
Dimethylphthalate	2500	1600	64.1	2500	1870	74.9	15.6	45 - 115	63	
Fluoranthene	2500	2240	89.7	2500	2370	94.9	5.66	55 - 140	80	
Fluorene	2500	1490	59.6	2500	1830	73.3	20.6	45 - 115	55	
Hexachlorobenzene	2500	1890	75.7	2500	2070	82.8	8.98	45 - 120	68	
Hexachlorobutadiene	2500	1020	40.9	2500	1450	58.0	34.6	30 - 100	52	
Hexachlorocyclopentadiene	2500	783	31.3	2500	1290	51.6	48.8	30 - 110	60	
Hexachloroethane	2500	917	36.7	2500	1310	52.3	35.0	30 - 100	47	
Indeno(1,2,3-cd)pyrene	2500	2000	79.9	2500	2150	85.9	7.22	50 - 135	84	
Isophorone	2500	1120	44.8	2500	1630	65.3	37.1	35 - 100	62	
N-Nitroso-di-n-propylamine	2500	1070	43.0	2500	1630	65.1	41.0	35 - 110	59	
N-Nitrosodiphenylamine	2500	1910	76.5	2500	2070	82.7	7.77	50 - 130	65	
Naphthalene	2500	983	39.3	2500	1360	54.6	32.5	35 - 100	45	
Nitrobenzene	2500	978	39.1	2500	1350	54.1	32.2	35 - 100	50	
Pentachlorophenol	2500	2250	90.2	2500	2420	96.8	7.05	50 - 150	77	
Phenanthrene	2500	2000	79.9	2500	2130	85.1	6.22	50 - 130	70	
Phenol	2500	969	38.7	2500	1410	56.6	37.4	35 - 100	51	
Pyrene	2500	2230	89.3	2500	2380	95.0	6.19	45 - 135	89	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2-Fluorophenol	36.2	50.1	25 - 121	PASS
Phenol-d5	40.9	58.8	24 - 113	PASS
Nitrobenzene-d5	39.3	53.9	23 - 120	PASS
2-Fluorobiphenyl	43.5	63.2	30 - 115	PASS
2,4,6-Tribromophenol	73.4	80.3	19 - 122	PASS
P-Terphenyl-d14	77.2	80.0	18 - 137	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

00061538

DFTPP

Login Number: L0606648 _____ Tune ID: WG216025-01 _____
Instrument: HPMS4 _____ Run Date: 06/25/2006 _____
Analyst: MDC _____ Run Time: 12:15 _____
Workgroup: WG216025 _____ File ID: 4M33466 _____
Cal ID: HPMS4 - 25-JUN-06 _____

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	32.4	100894	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	35.1	109416	PASS
70.0	69.0	0	2.00	0.486	532	PASS
127	198	40.0	60.0	51.1	159274	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	311445	PASS
199	198	5.00	9.00	6.86	21373	PASS
275	198	10.0	30.0	23.9	74506	PASS
365	198	1.00	100	2.78	8654	PASS
441	443	0.0100	100	82.0	34880	PASS
442	198	40.0	100	72.7	226368	PASS
443	442	17.0	23.0	18.8	42560	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG216025-09	SSCV	01	06/25/2006 21:14	
WG216025-02	CCV	01	06/25/2006 16:37	
WG216025-08	STD	01	06/25/2006 16:02	
WG216025-07	STD	01	06/25/2006 15:27	
WG216025-06	STD	01	06/25/2006 14:53	
WG216025-05	STD	01	06/25/2006 14:18	
WG216025-04	STD	01	06/25/2006 13:43	
WG216025-03	STD	01	06/25/2006 13:09	

* Sample past 12 hour tune limit

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

00061539

DFTPP

Login Number: L0606648
Instrument: HPMS4
Analyst: ALT
Workgroup: WG216620

Tune ID: WG216620-01
Run Date: 07/05/2006
Run Time: 09:35
File ID: 4M33523

Cal ID: HPMS4 -25-JUN-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	41.2	76992	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	42.9	80102	PASS
70.0	69.0	0	2.00	0.662	530	PASS
127	198	40.0	60.0	55.6	103821	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	186837	PASS
199	198	5.00	9.00	6.70	12517	PASS
275	198	10.0	30.0	23.3	43504	PASS
365	198	1.00	100	2.70	5044	PASS
441	443	0.0100	100	79.5	21143	PASS
442	198	40.0	100	72.4	135322	PASS
443	442	17.0	23.0	19.6	26586	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG216620-02	CCV	07/05/2006 10:29

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG216476-01	BLANK	01	07/05/2006 17:30	
WG216476-02	LCS	01	07/05/2006 18:04	
WG216476-03	LCS2	01	07/05/2006 18:39	
L0606648-02	07SB03 (3-4)	01	07/05/2006 19:14	
L0606648-04	07SB04 (3-4)	01	07/05/2006 19:49	
L0606648-01	07SB03 (0-1)	DL01	07/05/2006 20:24	
L0606648-03	07SB04 (0-1)	DL01	07/05/2006 20:59	

* Sample past 12 hour tune limit

Login Number: L0606648

Instrument ID: HPMS4

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

ICAL Workgroup: WG216025

Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
2,4,6-Trichlorophenol	CCC	0.3643	4.06		
2,4-Dichlorophenol	CCC	0.2953	3.24		
2-Nitrophenol	CCC	0.2249	5.30		
4-Chloro-3-Methylphenol	CCC	0.3000	4.52		
Acenaphthene	CCC	1.140	9.95		
Benzo[a]pyrene	CCC	1.316	3.70		
Di-n-Octyl Phthalate	CCC	1.751	4.27		
Fluoranthene	CCC	1.330	11.4		
Hexachlorobutadiene	CCC	0.1636	7.18		
Pentachlorophenol	CCC	0.1460	11.6		
Phenol	CCC	1.661	4.86		
n-Nitrosodiphenylamine	CCC	0.6408	6.82		
2,4-Dinitrophenol	SPCC	0.1032	42.4	0.994	
4-Nitrophenol	SPCC	0.1926	10.3		
Hexachlorocyclopentadiene	SPCC	0.1115	51.7		0.994
n-Nitrosodipropylamine	SPCC	0.8590	4.61		
2,4,5-Trichlorophenol		0.3984	3.61		
2,4-Dimethylphenol		0.3174	7.10		
2,4-Dinitrotoluene		0.3751	7.18		
2,6-Dinitrotoluene		0.3141	4.93		
2-Chloronaphthalene		1.148	8.35		
2-Chlorophenol		1.505	3.72		
2-Methylnaphthalene		0.7264	9.71		
2-Methylphenol		1.127	3.98		
2-Nitroaniline		0.3223	5.37		
3,3'-Dichlorobenzidine		0.3514	27.5	0.993	
3-,4-Methylphenol		1.628	3.38		
3-Nitroaniline		0.2686	17.7	0.995	
4,6-Dinitro-2-Methylphenol		0.1486	20.1	0.998	
4-Bromophenyl Phenyl Ether		0.2492	5.84		
4-Chloroaniline		0.3691	7.99		
4-Chlorophenyl Phenyl Ether		0.6389	7.42		
4-Nitroaniline		0.2899	12.7		
Acenaphthylene		1.842	9.52		
Anthracene		1.288	11.3		
Benzo[a]anthracene		1.313	8.82		
Benzo[b]fluoranthene		1.452	3.79		
Benzo[ghi]perylene		1.295	3.71		
Benzo[k]fluoranthene		1.294	6.58		
Butyl Benzyl Phthalate		0.7285	7.72		
Carbazole		1.048	21.7		0.997
Chrysene		1.314	10.7		
Di-n-Butyl Phthalate		1.447	10.6		
Dibenz[ah]anthracene		1.252	3.33		
Dibenzofuran		1.614	12.9		

KEMRON FORMS - Modified 06/12/2006
Version 1.5 PDF File ID: 510577
Report generated 07/06/2006 13:10

Login Number: L0606648
Analytical Method: 8270C
ICAL Workgroup: WG216025

Instrument ID: HPMS4
Initial Calibration Date: 25-JUN-06 16:02
Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
Diethylphthalate		1.281	8.42		
Dimethylphthalate		1.302	7.44		
Fluorene		1.360	9.52		
Hexachlorobenzene		0.2521	7.06		
Hexachloroethane		0.5946	3.65		
Indeno[1,2,3-cd]pyrene		1.558	3.56		
Isophorone		0.5738	6.91		
Naphthalene		1.067	10.7		
Nitrobenzene		0.3406	6.84		
Phenanthrene		1.283	11.7		
Pyrene		1.470	11.9		
bis(2-Chloroethoxy)methane		0.3841	7.95		
bis(2-Chloroethyl)ether		0.8859	7.53		
bis(2-Chloroisopropyl)ether		1.790	11.5		
bis(2-Ethylhexyl)phthalate		0.9676	9.47		

Login Number: L0606648

Instrument ID: HPMS4

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-02			WG216025-03			WG216025-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
2,4,6-Trichlorophenol	50.0	626533	0.3465	3.00	40626	0.3511	15.0	195292	0.3826
2,4-Dichlorophenol	50.0	890232	0.2822	3.00	59790	0.2908	15.0	278807	0.3073
2-Nitrophenol	50.0	722091	0.2289	3.00	41973	0.2041	15.0	212386	0.2341
4-Chloro-3-Methylphenol	50.0	896129	0.2841	3.00	61770	0.3004	15.0	287872	0.3173
Acenaphthene	50.0	1962353	1.085	3.00	148268	1.281	15.0	641217	1.256
Benzo[a]pyrene	50.0	2981995	1.240	3.00	217004	1.365	15.0	956006	1.371
Di-n-Octyl Phthalate	50.0	4087778	1.699	3.00	275213	1.731	15.0	1293024	1.854
Fluoranthene	50.0	3414180	1.263	3.00	261508	1.531	15.0	1134945	1.479
Hexachlorobutadiene	50.0	479918	0.1521	3.00	37361	0.1817	15.0	158560	0.1748
Pentachlorophenol	50.0	375513	0.1389	NA	NA	NA	15.0	92321	0.1203
Phenol	50.0	1255831	1.573	3.00	93415	1.726	15.0	412273	1.750
n-Nitrosodiphenylamine	50.0	1636278	0.6051	3.00	118925	0.6961	15.0	527557	0.6875
2,4-Dinitrophenol	50.0	177852	0.09840	NA	NA	NA	15.0	19298	0.03780
4-Nitrophenol	50.0	346812	0.1918	NA	NA	NA	15.0	79343	0.1554
Hexachlorocyclopentadiene	50.0	209576	0.1159	3.00	1540	0.01330	15.0	34037	0.06670
n-Nitrosodipropylamine	50.0	641104	0.8029	3.00	48252	0.8918	15.0	212058	0.9003
2,4,5-Trichlorophenol	50.0	684009	0.3783	3.00	45548	0.3936	15.0	212498	0.4163
2,4-Dimethylphenol	50.0	1003263	0.3180	3.00	70676	0.3437	15.0	309758	0.3415
2,4-Dinitrotoluene	50.0	673961	0.3727	3.00	41013	0.3544	15.0	208407	0.4083
2,6-Dinitrotoluene	50.0	543345	0.3005	3.00	33222	0.2871	15.0	165534	0.3243
2-Chloronaphthalene	50.0	1953787	1.081	3.00	146817	1.269	15.0	641301	1.256
2-Chlorophenol	50.0	1130858	1.416	3.00	84262	1.557	15.0	367239	1.559
2-Methylnaphthalene	50.0	2176202	0.6898	3.00	168629	0.8201	15.0	725476	0.7997
2-Methylphenol	50.0	853898	1.069	3.00	62324	1.152	15.0	279006	1.185
2-Nitroaniline	50.0	563037	0.3114	NA	NA	NA	15.0	175339	0.3435
3,3'-Dichlorobenzidine	50.0	746242	0.2947	3.00	78621	0.4930	15.0	334802	0.4683
3-,4-Methylphenol	50.0	1242932	1.557	3.00	89342	1.651	15.0	396642	1.684
3-Nitroaniline	50.0	486608	0.2691	NA	NA	NA	15.0	168135	0.3294
4,6-Dinitro-2-Methylphenol	50.0	385024	0.1424	NA	NA	NA	15.0	78710	0.1026
4-Bromophenyl Phenyl Ether	50.0	625879	0.2315	3.00	45447	0.2660	15.0	203616	0.2654
4-Chloroaniline	50.0	1047709	0.3321	3.00	84586	0.4114	15.0	360691	0.3976
4-Chlorophenyl Phenyl Ether	50.0	1082247	0.5985	3.00	80802	0.6983	15.0	353312	0.6921
4-Nitroaniline	50.0	533629	0.2951	NA	NA	NA	15.0	174431	0.3417
Acenaphthylene	50.0	3184436	1.761	3.00	233075	2.014	15.0	1045538	2.048
Anthracene	50.0	3330810	1.232	3.00	254073	1.487	15.0	1093923	1.426
Benzo[a]anthracene	50.0	3116378	1.231	3.00	236576	1.484	15.0	1015579	1.421
Benzo[b]fluoranthene	50.0	3318252	1.380	3.00	232950	1.465	15.0	1071333	1.536
Benzo[ghi]perylene	50.0	2888420	1.201	3.00	201580	1.268	15.0	917033	1.315
Benzo[k]fluoranthene	50.0	2956983	1.229	3.00	210955	1.327	15.0	965285	1.384
Butyl Benzyl Phthalate	50.0	1702075	0.6721	3.00	127496	0.7995	15.0	555884	0.7775
Carbazole	50.0	2854447	1.056	3.00	221604	1.297	15.0	979700	1.277
Chrysene	50.0	3111508	1.229	3.00	243765	1.529	15.0	1032084	1.444

Login Number: L0606648

Instrument ID: HPMS4

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-05			WG216025-06			WG216025-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
2,4,6-Trichlorophenol	25.0	336695	0.3812	80.0	1155576	0.3630	100	1380122	0.3729
2,4-Dichlorophenol	25.0	478056	0.3066	80.0	1625862	0.2935	100	1929637	0.2995
2-Nitrophenol	25.0	369121	0.2368	80.0	1244069	0.2245	100	1494457	0.2320
4-Chloro-3-Methylphenol	25.0	494798	0.3174	80.0	1638374	0.2957	100	1933608	0.3001
Acenaphthene	25.0	1083372	1.227	80.0	3418208	1.074	100	3965739	1.071
Benzo[a]pyrene	25.0	1620763	1.345	80.0	5488700	1.293	100	6470040	1.323
Di-n-Octyl Phthalate	25.0	2219672	1.843	80.0	7380628	1.738	100	8535707	1.746
Fluoranthene	25.0	1904984	1.440	80.0	5912045	1.237	100	6789932	1.231
Hexachlorobutadiene	25.0	264038	0.1694	80.0	866993	0.1565	100	1025900	0.1592
Pentachlorophenol	25.0	180949	0.1367	80.0	744062	0.1557	100	903615	0.1638
Phenol	25.0	693773	1.748	80.0	2259274	1.623	100	2654518	1.645
n-Nitrosodiphenylamine	25.0	891167	0.6734	80.0	2940272	0.6154	100	3420802	0.6202
2,4-Dinitrophenol	25.0	58731	0.06650	80.0	412597	0.1296	100	533655	0.1442
4-Nitrophenol	25.0	167892	0.1901	80.0	655378	0.2059	100	779309	0.2105
Hexachlorocyclopentadiene	25.0	84498	0.09570	80.0	495180	0.1556	100	624709	0.1688
n-Nitrosodipropylamine	25.0	352058	0.8872	80.0	1155797	0.8301	100	1358530	0.8419
2,4,5-Trichlorophenol	25.0	366443	0.4149	80.0	1259360	0.3956	100	1498571	0.4049
2,4-Dimethylphenol	25.0	516480	0.3313	80.0	1660541	0.2997	100	1947203	0.3022
2,4-Dinitrotoluene	25.0	364829	0.4131	80.0	1178556	0.3702	100	1361299	0.3678
2,6-Dinitrotoluene	25.0	290676	0.3291	80.0	1013346	0.3183	100	1211789	0.3274
2-Chloronaphthalene	25.0	1072436	1.214	80.0	3466245	1.089	100	4042928	1.092
2-Chlorophenol	25.0	615569	1.551	80.0	2054135	1.475	100	2450596	1.519
2-Methylnaphthalene	25.0	1208672	0.7753	80.0	3782169	0.6826	100	4381246	0.6800
2-Methylphenol	25.0	465175	1.172	80.0	1538707	1.105	100	1820628	1.128
2-Nitroaniline	25.0	302420	0.3424	80.0	1007283	0.3164	100	1184222	0.3199
3,3'-Dichlorobenzidine	25.0	475371	0.3832	80.0	1236241	0.2760	100	1450021	0.2807
3-,4-Methylphenol	25.0	672158	1.694	80.0	2243754	1.612	100	2644127	1.639
3-Nitroaniline	25.0	286241	0.3241	80.0	734426	0.2307	100	840520	0.2271
4,6-Dinitro-2-Methylphenol	25.0	168141	0.1271	80.0	798634	0.1672	100	975099	0.1768
4-Bromophenyl Phenyl Ether	25.0	344046	0.2600	80.0	1150235	0.2407	100	1356795	0.2460
4-Chloroaniline	25.0	600660	0.3853	80.0	1974821	0.3564	100	2313702	0.3591
4-Chlorophenyl Phenyl Ether	25.0	594177	0.6727	80.0	1946798	0.6116	100	2278705	0.6156
4-Nitroaniline	25.0	284506	0.3221	80.0	869559	0.2732	100	969065	0.2618
Acenaphthylene	25.0	1764415	1.998	80.0	5563281	1.748	100	6409832	1.732
Anthracene	25.0	1836336	1.388	80.0	5722844	1.198	100	6548924	1.187
Benzo[a]anthracene	25.0	1718038	1.385	80.0	5573426	1.244	100	6460999	1.251
Benzo[b]fluoranthene	25.0	1758208	1.460	80.0	5870312	1.382	100	7224214	1.478
Benzo[ghi]perylene	25.0	1578273	1.310	80.0	5569059	1.312	100	6602639	1.351
Benzo[k]fluoranthene	25.0	1699579	1.411	80.0	5164407	1.216	100	6356025	1.300
Butyl Benzyl Phthalate	25.0	939916	0.7577	80.0	3043399	0.6794	100	3536070	0.6845
Carbazole	25.0	1636367	1.237	80.0	4236649	0.8867	100	4445350	0.8060
Chrysene	25.0	1726266	1.392	80.0	5528874	1.234	100	6332675	1.226

Login Number: L0606648

Instrument ID: HPMS4

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-08		
	CONC	RESP	RF
2,4,6-Trichlorophenol	120	1638423	0.3530
2,4-Dichlorophenol	120	2309489	0.2873
2-Nitrophenol	120	1716416	0.2136
4-Chloro-3-Methylphenol	120	2289569	0.2849
Acenaphthene	120	4571101	0.9848
Benzo[a]pyrene	120	7807494	1.276
Di-n-Octyl Phthalate	120	10066238	1.645
Fluoranthene	120	7787615	1.130
Hexachlorobutadiene	120	1219571	0.1517
Pentachlorophenol	120	1107262	0.1607
Phenol	120	3135078	1.563
n-Nitrosodiphenylamine	120	4050180	0.5877
2,4-Dinitrophenol	120	663287	0.1429
4-Nitrophenol	120	937125	0.2019
Hexachlorocyclopentadiene	120	764107	0.1646
n-Nitrosodipropylamine	NA	NA	NA
2,4,5-Trichlorophenol	120	1788452	0.3853
2,4-Dimethylphenol	120	2291895	0.2852
2,4-Dinitrotoluene	120	1573995	0.3391
2,6-Dinitrotoluene	120	1449746	0.3123
2-Chloronaphthalene	120	4793641	1.033
2-Chlorophenol	120	2929458	1.460
2-Methylnaphthalene	120	5123591	0.6375
2-Methylphenol	120	2164525	1.079
2-Nitroaniline	120	1393843	0.3003
3,3'-Dichlorobenzidine	120	1709673	0.2642
3-,4-Methylphenol	120	3128702	1.559
3-Nitroaniline	120	1071780	0.2309
4,6-Dinitro-2-Methylphenol	120	1208063	0.1753
4-Bromophenyl Phenyl Ether	120	1616738	0.2346
4-Chloroaniline	120	2748697	0.3420
4-Chlorophenyl Phenyl Ether	120	2708078	0.5835
4-Nitroaniline	120	1138288	0.2452
Acenaphthylene	120	7406250	1.596
Anthracene	120	7563715	1.098
Benzo[a]anthracene	120	7598744	1.174
Benzo[b]fluoranthene	120	8950932	1.463
Benzo[ghi]perylene	120	8011854	1.309
Benzo[k]fluoranthene	120	7292275	1.192
Butyl Benzyl Phthalate	NA	NA	NA
Carbazole	120	5332041	0.7737
Chrysene	120	7402207	1.144

Login Number: L0606648

Instrument ID: HPMS4

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-02			WG216025-03			WG216025-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Di-n-Butyl Phthalate	50.0	3743892	1.385	3.00	276612	1.619	15.0	1238032	1.613
Dibenz[ah]anthracene	50.0	2843714	1.182	3.00	192791	1.212	15.0	898502	1.288
Dibenzofuran	50.0	2776658	1.536	3.00	216425	1.870	15.0	935306	1.832
Diethylphthalate	50.0	2180878	1.206	3.00	163592	1.414	15.0	714089	1.399
Dimethylphthalate	50.0	2201045	1.217	3.00	165482	1.430	15.0	717861	1.406
Fluorene	50.0	2324748	1.286	3.00	175957	1.521	15.0	765195	1.499
Hexachlorobenzene	50.0	635869	0.2352	3.00	47554	0.2784	15.0	206936	0.2697
Hexachloroethane	50.0	447827	0.5609	3.00	33222	0.6140	15.0	144823	0.6149
Indeno[1,2,3-cd]pyrene	50.0	3497452	1.454	3.00	241145	1.516	15.0	1116868	1.601
Isophorone	50.0	1709591	0.5419	3.00	127008	0.6177	15.0	562668	0.6202
Naphthalene	50.0	3194656	1.013	3.00	251436	1.223	15.0	1067274	1.177
Nitrobenzene	50.0	1012162	0.3208	3.00	75068	0.3651	15.0	334717	0.3690
Phenanthrene	50.0	3277633	1.212	3.00	256437	1.501	15.0	1089465	1.420
Pyrene	50.0	3533684	1.395	3.00	272346	1.708	15.0	1174663	1.643
bis(2-Chloroethoxy)methane	50.0	1158936	0.3674	3.00	86807	0.4222	15.0	377572	0.4162
bis(2-Chloroethyl)ether	50.0	665299	0.8332	3.00	52906	0.9778	15.0	223753	0.9500
bis(2-Chloroisopropyl)ether	50.0	1348404	1.689	3.00	112044	2.071	15.0	470196	1.996
bis(2-Ethylhexyl)phthalate	50.0	2346603	0.9266	3.00	169374	1.062	15.0	766887	1.073

Login Number: L0606648
 Analytical Method: 8270C

Instrument ID: HPMS4
 Initial Calibration Date: 25-JUN-06 16:02
 Column ID: F

Analyte	WG216025-05			WG216025-06			WG216025-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Di-n-Butyl Phthalate	25.0	2083899	1.575	80.0	6497793	1.360	100	7431264	1.347
Dibenz[ah]anthracene	25.0	1552251	1.289	80.0	5350318	1.260	100	6294516	1.288
Dibenzofuran	25.0	1563331	1.770	80.0	4764625	1.497	100	5426968	1.466
Diethylphthalate	25.0	1205433	1.365	80.0	3881373	1.219	100	4517494	1.220
Dimethylphthalate	25.0	1205487	1.365	80.0	3972839	1.248	100	4671662	1.262
Fluorene	25.0	1287106	1.457	80.0	4090425	1.285	100	4740063	1.281
Hexachlorobenzene	25.0	346169	0.2616	80.0	1155310	0.2418	100	1350449	0.2448
Hexachloroethane	25.0	244318	0.6157	80.0	814217	0.5848	100	961505	0.5959
Indeno[1,2,3-cd]pyrene	25.0	1906546	1.583	80.0	6676655	1.572	100	7891567	1.614
Isophorone	25.0	944740	0.6060	80.0	3063024	0.5528	100	3568420	0.5539
Naphthalene	25.0	1781947	1.143	80.0	5563223	1.004	100	6409372	0.9948
Nitrobenzene	25.0	560100	0.3593	80.0	1818682	0.3283	100	2130696	0.3307
Phenanthrene	25.0	1824069	1.378	80.0	5722979	1.198	100	6508299	1.180
Pyrene	25.0	1972084	1.590	80.0	6090736	1.360	100	6979928	1.351
bis(2-Chloroethoxy)methane	25.0	633817	0.4065	80.0	2039999	0.3682	100	2352938	0.3652
bis(2-Chloroethyl)ether	25.0	371349	0.9359	80.0	1176747	0.8451	100	1374238	0.8516
bis(2-Chloroisopropyl)ether	25.0	767389	1.934	80.0	2308184	1.658	100	2655318	1.646
bis(2-Ethylhexyl)phthalate	25.0	1297708	1.046	80.0	4106817	0.9168	100	4708762	0.9115

Login Number: L0606648

Instrument ID: HPMS4

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-08		
	CONC	RESP	RF
Di-n-Butyl Phthalate	120	8495520	1.233
Dibenz[ah]anthracene	120	7631950	1.247
Dibenzofuran	120	6167087	1.329
Diethylphthalate	120	5318845	1.146
Dimethylphthalate	120	5506070	1.186
Fluorene	120	5527661	1.191
Hexachlorobenzene	120	1605633	0.2330
Hexachloroethane	120	1154954	0.5757
Indeno[1,2,3-cd]pyrene	120	9569505	1.564
Isophorone	120	4212495	0.5241
Naphthalene	120	7338222	0.9130
Nitrobenzene	120	2501245	0.3112
Phenanthrene	120	7522862	1.092
Pyrene	120	8033272	1.242
bis(2-Chloroethoxy)methane	120	2754230	0.3427
bis(2-Chloroethyl)ether	120	1621060	0.8080
bis(2-Chloroisopropyl)ether	120	3088984	1.540
bis(2-Ethylhexyl)phthalate	120	5420652	0.8377

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00061548

Login Number: L0606648	Run Date: 06/25/2006	Sample ID: WG216025-09
Instrument ID: HPMS4	Run Time: 21:14	Method: 8270C
File ID: 4M33482	Analyst: MDC	
ICal Workgroup: WG216025	Cal ID: HPMS4 - 25-JUN-06	

Analyte		Expected	Found	RF	%D	UNITS	Q
2,4,6-Trichlorophenol	CCC	50	49.5	0.361	1	ug/mL	
2,4-Dichlorophenol	CCC	50	49.4	0.292	1.2	ug/mL	
2-Nitrophenol	CCC	50	49.0	0.220	2	ug/mL	
4-Chloro-3-Methylphenol	CCC	50	48.7	0.292	2.6	ug/mL	
Acenaphthene	CCC	50	53.2	1.21	6.4	ug/mL	
Benzo[a]pyrene	CCC	50	53.0	1.40	6.1	ug/mL	
Di-n-Octyl Phthalate	CCC	50	49.6	1.74	.8	ug/mL	
Fluoranthene	CCC	50	53.2	1.41	6.3	ug/mL	
Hexachlorobutadiene	CCC	50	51.2	0.168	2.3	ug/mL	
n-Nitrosodiphenylamine	CCC	50	49.6	0.636	.7	ug/mL	
Pentachlorophenol	CCC	50	47.8	0.140	4.4	ug/mL	
Phenol	CCC	50	48.9	1.62	2.3	ug/mL	
2,4-Dinitrophenol	SPCC	50	52.9	0.124	5.9	ug/mL	
4-Nitrophenol	SPCC	50	49.4	0.191	1.1	ug/mL	
Hexachlorocyclopentadiene	SPCC	50	57.5	0.157	15	ug/mL	
n-Nitrosodipropylamine	SPCC	50	51.3	0.882	2.7	ug/mL	
2,4,5-Trichlorophenol		50	48.6	0.387	2.8	ug/mL	
2,4-Dimethylphenol		50	49.1	0.312	1.8	ug/mL	
2,4-Dinitrotoluene		50	51.8	0.389	3.7	ug/mL	
2,6-Dinitrotoluene		50	49.0	0.308	1.9	ug/mL	
2-Chloronaphthalene		50	47.9	1.10	4.1	ug/mL	
2-Chlorophenol		50	48.8	1.47	2.4	ug/mL	
2-Methylnaphthalene		50	47.1	0.685	5.7	ug/mL	
2-Methylphenol		50	48.8	1.10	2.4	ug/mL	
2-Nitroaniline		50	47.8	0.308	4.3	ug/mL	
3,3'-Dichlorobenzidine		50	40.2	0.248	19.6	ug/mL	
3-,4-Methylphenol		50	49.1	1.60	1.8	ug/mL	
3-Nitroaniline		50	39.7	0.213	20.6	ug/mL	
4,6-Dinitro-2-Methylphenol		50	51.1	0.160	2.1	ug/mL	
4-Bromophenyl Phenyl Ether		50	41.4	0.206	17.2	ug/mL	
4-Chloroaniline		50	43.2	0.319	13.6	ug/mL	
4-Chlorophenyl Phenyl Ether		50	46.8	0.598	6.4	ug/mL	
4-Nitroaniline		50	46.0	0.266	8.1	ug/mL	
Acenaphthylene		50	54.4	2.00	8.8	ug/mL	
Anthracene		50	53.1	1.37	6.2	ug/mL	
Benzo[a]anthracene		50	54.3	1.43	8.6	ug/mL	
Benzo[b]fluoranthene		50	50.1	1.46	.3	ug/mL	
Benzo[ghi]perylene		50	51.7	1.34	3.4	ug/mL	
Benzo[k]fluoranthene		50	51.3	1.33	2.7	ug/mL	
bis(2-Chloroethoxy)methane		50	51.6	0.396	3.2	ug/mL	
bis(2-Chloroethyl)ether		50	49.8	0.882	.5	ug/mL	
bis(2-Chloroisopropyl)ether		50	47.8	1.71	4.3	ug/mL	

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Version 1.5 PDF File ID: 510578
Report generated 07/06/2006 13:10

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00061549

Login Number: L0606648 Run Date: 06/25/2006 Sample ID: WG216025-09
Instrument ID: HPMS4 Run Time: 21:14 Method: 8270C
File ID: 4M33482 Analyst: MDC
ICal Workgroup: WG216025 Cal ID: HPMS4 - 25-JUN-06

Analyte	Expected	Found	RF	%D	UNITS	Q
bis(2-Ethylhexyl)phthalate	50	49.9	0.966	.1	ug/mL	
Butyl Benzyl Phthalate	50	49.7	0.724	.6	ug/mL	
Carbazole	50	55.6	1.11	11.1	ug/mL	
Chrysene	50	52.9	1.39	5.9	ug/mL	
Di-n-Butyl Phthalate	50	49.3	1.43	1.4	ug/mL	
Dibenz[ah]anthracene	50	52.2	1.31	4.4	ug/mL	
Dibenzofuran	50	47.3	1.53	5.4	ug/mL	
Diethylphthalate	50	48.3	1.24	3.3	ug/mL	
Dimethylphthalate	50	46.9	1.22	6.2	ug/mL	
Fluorene	50	52.4	1.42	4.7	ug/mL	
Hexachlorobenzene	50	47.8	0.241	4.5	ug/mL	
Hexachloroethane	50	48.2	0.573	3.6	ug/mL	
Indeno[1,2,3-cd]pyrene	50	50.0	1.56	0	ug/mL	
Isophorone	50	53.4	0.613	6.8	ug/mL	
Naphthalene	50	52.7	1.12	5.4	ug/mL	
Nitrobenzene	50	48.0	0.327	3.9	ug/mL	
Phenanthrene	50	52.4	1.34	4.7	ug/mL	
Pyrene	50	53.4	1.57	6.7	ug/mL	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
CONTINUING CALIBRATION VERIFICATION (CCV)

00061550

Login Number: L0606648	Run Date: 07/05/2006	Sample ID: WG216620-02
Instrument ID: HPMS4	Run Time: 10:29	Method: 8270C
File ID: 4M33525	Analyst: ALT	
Workgroup (AAB#): WG216707	Cal ID: HPMS4 - 25-JUN-06	

Analyte		Expected	Found	RF	%D	UNITS	Q
2,4,6-Trichlorophenol	CCC	50	49.8	0.363	.3	ug/mL	
2,4-Dichlorophenol	CCC	50	48.4	0.286	3.2	ug/mL	
2-Nitrophenol	CCC	50	54.8	0.246	9.5	ug/mL	
4-Chloro-3-Methylphenol	CCC	50	49.8	0.299	.4	ug/mL	
Acenaphthene	CCC	50	51.3	1.17	2.5	ug/mL	
Benzo[a]pyrene	CCC	50	50.1	1.32	.2	ug/mL	
Di-n-Octyl Phthalate	CCC	50	52.7	1.85	5.4	ug/mL	
Fluoranthene	CCC	50	51.0	1.36	2	ug/mL	
Hexachlorobutadiene	CCC	50	51.8	0.169	3.5	ug/mL	
n-Nitrosodiphenylamine	CCC	50	49.4	0.633	1.2	ug/mL	
Pentachlorophenol	CCC	50	49.5	0.145	.9	ug/mL	
Phenol	CCC	50	49.5	1.64	1	ug/mL	
1,4-Dichlorobenzene	CCC	50	50.7	1.63	1.4	ug/mL	
2,4-Dinitrophenol	SPCC	50	52.7	0.123	5.3	ug/mL	
4-Nitrophenol	SPCC	50	47.3	0.182	5.4	ug/mL	
Hexachlorocyclopentadiene	SPCC	50	42.3	0.105	15.4	ug/mL	
n-Nitrosodipropylamine	SPCC	50	52.7	0.906	5.5	ug/mL	
2,4,5-Trichlorophenol		50	48.3	0.385	3.4	ug/mL	
2,4-Dimethylphenol		50	48.8	0.310	2.5	ug/mL	
2,4-Dinitrotoluene		50	52.0	0.390	3.9	ug/mL	
2,6-Dinitrotoluene		50	50.1	0.315	.1	ug/mL	
2-Chloronaphthalene		50	50.5	1.16	1	ug/mL	
2-Chlorophenol		50	48.9	1.47	2.3	ug/mL	
2-Methylnaphthalene		50	51.2	0.743	2.3	ug/mL	
2-Methylphenol		50	49.3	1.11	1.5	ug/mL	
2-Nitroaniline		50	52.4	0.338	4.7	ug/mL	
3,3'-Dichlorobenzidine		50	51.0	0.302	1.9	ug/mL	
3-,4-Methylphenol		50	49.4	1.61	1.2	ug/mL	
3-Nitroaniline		50	36.3	0.199	27.5	ug/mL	
4,6-Dinitro-2-Methylphenol		50	49.4	0.154	1.3	ug/mL	
4-Bromophenyl Phenyl Ether		50	50.1	0.249	.1	ug/mL	
4-Chloroaniline		50	35.2	0.260	29.6	ug/mL	
4-Chlorophenyl Phenyl Ether		50	50.4	0.644	.8	ug/mL	
4-Nitroaniline		50	42.4	0.246	15.2	ug/mL	
Acenaphthylene		50	50.4	1.86	.7	ug/mL	
Anthracene		50	50.4	1.30	.7	ug/mL	
Benzo[a]anthracene		50	50.2	1.32	.4	ug/mL	
Benzo[b]fluoranthene		50	52.3	1.52	4.6	ug/mL	
Benzo[ghi]perylene		50	49.1	1.27	1.8	ug/mL	
Benzo[k]fluoranthene		50	50.3	1.30	.6	ug/mL	
bis(2-Chloroethoxy)methane		50	51.5	0.396	3	ug/mL	
bis(2-Chloroethyl)ether		50	54.9	0.972	9.8	ug/mL	

KEMRON FORMS - Modified 06/21/2006
Version 1.3 PDF File ID: 510581
Report generated 07/06/2006 13:10

KEMRON Environmental Services
CONTINUING CALIBRATION VERIFICATION (CCV)

00061551

Login Number: L0606648	Run Date: 07/05/2006	Sample ID: WG216620-02
Instrument ID: HPMS4	Run Time: 10:29	Method: 8270C
File ID: 4M33525	Analyst: ALT	
Workgroup (AAB#): WG216707	Cal ID: HPMS4 - 25-JUN-06	

Analyte	Expected	Found	RF	%D	UNITS	Q
bis(2-Chloroisopropyl)ether	50	57.4	2.06	14.8	ug/mL	
bis(2-Ethylhexyl)phthalate	50	52.6	1.02	5.2	ug/mL	
Butyl Benzyl Phthalate	50	50.3	0.734	.7	ug/mL	
Carbazole	50	52.8	1.07	5.6	ug/mL	
Chrysene	50	50.3	1.32	.6	ug/mL	
Di-n-Butyl Phthalate	50	52.6	1.52	5.1	ug/mL	
Dibenz[ah]anthracene	50	50.0	1.25	0	ug/mL	
Dibenzofuran	50	51.2	1.65	2.5	ug/mL	
Diethylphthalate	50	51.8	1.33	3.5	ug/mL	
Dimethylphthalate	50	50.2	1.31	.4	ug/mL	
Fluorene	50	51.0	1.39	2	ug/mL	
Hexachlorobenzene	50	50.4	0.254	.7	ug/mL	
Hexachloroethane	50	51.4	0.612	2.9	ug/mL	
Indeno[1,2,3-cd]pyrene	50	49.9	1.55	.2	ug/mL	
Isophorone	50	52.1	0.598	4.1	ug/mL	
Naphthalene	50	51.2	1.09	2.3	ug/mL	
Nitrobenzene	50	51.6	0.351	3.2	ug/mL	
Phenanthrene	50	50.4	1.29	.8	ug/mL	
Pyrene	50	51.0	1.50	1.9	ug/mL	

* Exceeds %D Criteria

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061552

Login Number: L0606648
Instrument ID: HPMS4
Workgroup (AAB#): WG216707

CCV Number: WG216620-02
CAL ID: HPMS4 - 25-JUN-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
WG216620-02	NA	NA	522229	1203910	1688852	2099040	1601032	1813140
Upper Limit	NA	NA	1044458	2407820	3377704	4198080	3202064	3626280
Lower Limit	NA	NA	261115	601955	844426	1049520	800516	906570
L0606648-01	2.00	DL01	552862	1183280	1564115	2097994	1465903	1697978
L0606648-02	1.00	01	563449	1235138	1688006	2175378	1557500	1813868
L0606648-03	5.00	DL01	581801	1243448	1605599	2211315	1447064	1788560
L0606648-04	1.00	01	595001	1280981	1686808	2258056	1502789	1847963
WG216476-01	1.00	01	574897	1262389	1723178	2221777	1618572	1850175
WG216476-02	1.00	01	566463	1276960	1833939	2363546	1723138	1924190
WG216476-03	1.00	01	543723	1231254	1753505	2361201	1634391	1849078

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Acenaphthene-d10
IS-3 - Chrysene-d12
IS-4 - Naphthalene-d8
IS-5 - Perylene-d12
IS-6 - Phenanthrene-d10

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061553

Login Number: L0606648
Instrument ID: HPMS4
Workgroup (AAB#): WG216707

CCV Number: WG216620-02
CAL ID: HPMS4 - 25-JUN-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
WG216620-02	NA	NA	9.29	13.13	18.42	10.89	21	15.01
Upper Limit	NA	NA	9.79	13.63	18.92	11.39	21.5	15.51
Lower Limit	NA	NA	8.79	12.63	17.92	10.39	20.5	14.51
L0606648-01	2.00	DL01	9.28	13.13	18.41	10.89	21	15.01
L0606648-02	1.00	01	9.29	13.13	18.41	10.89	21	15.01
L0606648-03	5.00	DL01	9.28	13.13	18.41	10.89	21	15.01
L0606648-04	1.00	01	9.28	13.13	18.41	10.89	21	15.01
WG216476-01	1.00	01	9.29	13.13	18.41	10.89	21	15.01
WG216476-02	1.00	01	9.29	13.13	18.42	10.89	21	15.01
WG216476-03	1.00	01	9.29	13.13	18.41	10.89	21	15.01

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Acenaphthene-d10
IS-3 - Chrysene-d12
IS-4 - Naphthalene-d8
IS-5 - Perylene-d12
IS-6 - Phenanthrene-d10

Underline = Response outside limits

KEMRON Environmental Services
Data Checklist

Date: 08-JUL-2006
Analyst: HAV
Analyst: CAA
Method: TX-T1005
Instrument: HP14
Curve Workgroup: NA
Runlog ID: 11137
Analytical Workgroups: L0606695, L0607001, L0607002, L0607037(P&A), L0606648

Runlog ID number:	11137
System Performance Check	NA
DFTPP	NA
Endrin/DDT Breakdown	NA
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples	X
TCL Hits	X
Spectra of TCL Hits	NA
Surrogates	X
Internal Standards Criteria	NA
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	
Reruns	
Manual Integrations	NA
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	HAV
Secondary Reviewer	MDC
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the resonableness of the results	X

Primary Reviewer:
10-JUL-2006

Hema Vilasagar

Secondary Reviewer:
11-JUL-2006

Michael Cohen

KEMRON Environmental Services

Instrument Run Log

Instrument: HP14 Dataset: 070806
 Analyst1: HAV Analyst2: CAA
 Method: T1005 SOP: GCSOP05 Rev: 4

Maintenance Log ID: _____

Column 1 ID: RTX-5 Column 2 ID: NA

Workgroups: _____

Internal Standard: NA Surrogate Standard: NA

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	14G9101	pentane	1	1		07/08/06 10:30
2	14G9102	WIN DEF STD	1	1	SOS78-19	07/08/06 11:10
3	14G9103	WG216894-01 TPH @1000ppm	1	1		07/08/06 11:51
4	14G9104	WG216894-02 TPH @5000ppm	1	1		07/08/06 12:31
5	14G9105	WG216894-03 TPH @2500ppm	1	1		07/08/06 13:12
6	14G9106	WG216894-04 TPH @1000ppm	1	1		07/08/06 13:52
7	14G9107	WG216894-05 TPH @500ppm	1	1		07/08/06 14:33
8	14G9108	WG216894-06 TPH @50ppm	1	1		07/08/06 15:13
9	14G9109	WG216894-07 ALT TPH @1000ppm	1	1	STD13642	07/08/06 15:53
10	14G9110	WG216656-01 BLANK FX14 P7 SOIL	7	1	SOIL	07/08/06 16:34
11	14G9111	L0606648-01	7	1	SOIL	07/08/06 17:14
12	14G9112	L0606648-02	7	1	SOIL	07/08/06 17:54
13	14G9113	L0606648-03	7	1	SOIL	07/08/06 18:35
14	14G9114	L0606648-04	7	1	SOIL	07/08/06 19:15
15	14G9115	WG216656-03 L0606695-01	7	1	SOIL	07/08/06 19:56
16	14G9116	WG216656-04 L0606695-14 MS	7	1	SOIL	07/08/06 20:36
17	14G9117	WG216656-05 L0606695-15 MSD	7	1	SOIL	07/08/06 21:16
18	14G9118	L0606695-02	7	1	SOIL	07/08/06 21:57
19	14G9119	L0606695-03	7	1	SOIL	07/08/06 22:37
20	14G9120	L0606695-04	7	1	SOIL	07/08/06 23:18
21	14G9121	L0606695-11	7	1	SOIL	07/08/06 23:59
22	14G9122	WG216656-02 LCS FX14 P7 SOIL	7	1	SOIL	07/09/06 00:39
23	14G9123	WG216894-08 TPH CCV @1000ppm	1	1		07/09/06 01:20
24	14G9124	WG216757-01 BLANK FX14 P8 WATER	1	1		07/09/06 02:00
25	14G9125	L0606695-12	7	1	SOIL	07/09/06 02:42
26	14G9126	L0606695-13	7	1	SOIL	07/09/06 03:23
27	14G9127	L0607037-01	7	1	SOIL	07/09/06 04:04
28	14G9128	L0607037-02	7	1	SOIL	07/09/06 04:45
29	14G9129	L0607037-03	7	1	SOIL	07/09/06 05:27
30	14G9130	L0606695-16	1	1		07/09/06 06:08
31	14G9131	L0607037-04	1	1		07/09/06 06:49
32	14G9132	L0607037-05	1	1		07/09/06 07:30
33	14G9133	L0607001-01 MDL #1	1	1		07/09/06 08:11
34	14G9134	L0607002-01 MDL #2	1	1		07/09/06 08:52
35	14G9135	WG216757-02 LCS FX14 P8	1	1		07/09/06 09:32



KEMRON Environmental Services
Instrument Run Log

Instrument: HP14 Dataset: 070806
Analyst1: HAV Analyst2: CAA
Method: T1005 SOP: GCSOP05 Rev: 4

Maintenance Log ID: _____

Column 1 ID: RTX-5 Column 2 ID: NA

Workgroups: _____

Internal Standard: NA Surrogate Standard: NA

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
36	14G9136	WG216757-03 LCS DUP FX14 P8	1	1		07/09/06 10:13
37	14G9137	WG216894-09 TPH CCV @1000ppm	1	1		07/09/06 10:54

Comments

Seq.	Rerun	Dil.	Reason	Analytes



Semivolatile Sample Extract Log Sheet

Document Control No.: FX0014 Page: 7 of 50

Parameter: T1005 Matrix: Soil
 SOP# GC50P5 Rev. # 4
 Analyst: CAA Date/Time Extracted: 7-5-06 @ 12:00
 Spike/Surrogate analyst: CAA Witness: HV
 Surrogate #: SOS 38-42/STD 113-1
 Spike # A: N21-0514 Spike # B: _____
 Ext Solvent: Pentane Lot#: UFO225
 Ext Solvent: _____ Lot#: _____
 Ext Disk: _____ Lot#: _____

Extraction Work Group: W62166516
 Analytical Work Group: W62166517
 Run I.D.: R1085886
 Reagent: _____ Lot #: _____
 Reagent: _____ Lot #: _____
 Other: _____ Lot#: _____

Color Code
 T = Transparent
 C = Colored
 O = Opaque

Other: methanol (HPLC grade) DI water

Sample ID	Test Code	pH	Initial Wt / Vol	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Comments
1 Blank	T1005		10.08 g	200µL	1 mL	10.0 mL	T	DI water > 2mL/each to all samples
2 LCS			10.00g					
3 L060648-01			10.02g					
4 L060648-02			10.04g					
5 L060648-03			10.01g					
6 L060648-04			10.03g					
7 L060648-01 NEF			10.09g					
8 L060648-02			10.10g					
9 L060648-03			10.04g					
10 L060648-04			10.03g					
11 L060648-11			9.99g					
12 L060648-12			10.02g					
13 L060648-13			10.04g					
14 L060648-14 MS			10.04g		1 mL			
15 L060648-15 MS			10.10g					
16 L060648-01			9.99g					
17 L060648-02			10.05g					
18 L060648-03			10.06g					
19								
20								
21								
22								
23								
24								

CAA 7/6/06

Reviewed by: HV 7/6/06

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061558

Analytical Method: T1005
Login Number: L0606648

AAB#: WG216657

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
07SB03 (0-1)	06/28/06	06/29/06	07/05/06	14	7.02	07/08/06	14	3.22	
07SB03 (3-4)	06/28/06	06/29/06	07/05/06	14	6.92	07/08/06	14	3.25	
07SB04 (0-1)	06/28/06	06/29/06	07/05/06	14	6.91	07/08/06	14	3.27	
07SB04 (3-4)	06/28/06	06/29/06	07/05/06	14	6.89	07/08/06	14	3.30	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

Login Number:L0606648

Instrument Id:HP14

Workgroup (AAB#):WG216657

Method:T1005

CAL ID: HP14 - 08-JUL-06

Matrix:SOLID

Sample Number	Dilution	Tag	1	2
L0606648-01	1.00	01	92.4	95.5
L0606648-02	1.00	01	77.4	76.4
L0606648-03	1.00	01	97.8	102
L0606648-04	1.00	01	102	106
WG216656-01	1.00	01	94.0	102
WG216656-02	1.00	01	98.4	103

Surrogates	Surrogate Limits
1 - Chlorobenzene	31 - 130
2 - o-Terphenyl	70 - 130

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

METHOD BLANK SUMMARY

Login Number: L0606648
Blank File ID: 14G9110
Date Analyzed: 07/08/06
Time Analyzed: 16:34
Analyst: HAV

Work Group: WG216657
Blank Sample ID: WG216656-01
Instrument ID: HP14
Method: T1005

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
07SB03 (0-1)	L0606648-01	14G9111	07/08/06 17:14	01
07SB03 (3-4)	L0606648-02	14G9112	07/08/06 17:54	01
07SB04 (0-1)	L0606648-03	14G9113	07/08/06 18:35	01
07SB04 (3-4)	L0606648-04	14G9114	07/08/06 19:15	01
LCS	WG216656-02	14G9122	07/09/06 00:39	01

Login Number: L0606648 Run Date: 07/08/2006 Sample ID: WG216656-01
Instrument ID: HP14 Run Time: 16:34 Prep Method: METHOD
File ID: 14G9110 Analyst: HAV Method: T1005
Workgroup (AAB#): WG216657 Matrix: Solid Units: mg/kg
Contract #: DACA56-94-D-0020 Cal ID: HP14-08-JUL-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Carbon Range C6-C35	25.0	50.0	46.1	1	J

Surrogates	% Recovery	Surrogate Limits	Qualifier
Chlorobenzene	94.0	31 - 130	PASS
o-Terphenyl	102	70 - 130	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

Login Number: L0606648 Run Date: 07/09/2006 Sample ID: WG216656-02
Instrument ID: HP14 Run Time: 00:39 Prep Method: METHOD
File ID: 14G9122 Analyst: HAV Method: T1005
Workgroup (AAB#): WG216657 Matrix: Solid Units: mg/kg
Contract #: DACA56-94-D-0020 Cal ID: HP14-08-JUL-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Carbon Range C6-C35	1000	979	97.9	75 - 125	
Surrogates	% Recovery	Surrogate Limits		Qualifier	
Chlorobenzene	98.4	31	- 130	PASS	
o-Terphenyl	103	70	- 130	PASS	

* FAILS %REC LIMIT

Login Number: L0606648
Analytical Method: T1005
ICAL Workgroup: WG216894

Instrument ID: HP14
Initial Calibration Date: 08-JUL-06 15:13
Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
Carbon Range C6-C35		26300	23.8		

Login Number: L0606648Instrument ID: HP14Analytical Method: T1005Initial Calibration Date: 08-JUL-06 15:13Column ID: F

Analyte	WG216894-01			WG216894-02			WG216894-03		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Carbon Range C6-C35	10000	196268391	19630	5000	129536575	25910	2500	78042665	31220

Login Number: L0606648Instrument ID: HP14Analytical Method: T1005Initial Calibration Date: 08-JUL-06 15:13Column ID: F

Analyte	WG216894-04			WG216894-05			WG216894-06		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Carbon Range C6-C35	1000	36143436	36140	500	11188808	22380	50.0	1124977	22500

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00061567

Login Number: L0606648 Run Date: 07/08/2006 Sample ID: WG216894-07
Instrument ID: HP14 Run Time: 15:53 Method: T1005
File ID: 14G9109 Analvst: HAV
ICal Workgroup: WG216894 Cal ID: HP14 - 08-JUL-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Carbon Range C6-C35		1000	885	23300	11.5	mg/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION VERIFICATION (CCV)

00061568

Login Number: L0606648 Run Date: 07/09/2006 Sample ID: WG216894-08
Instrument ID: HP14 Run Time: 01:20 Method: T1005
File ID: 14G9123 Analyst: HAV
Workgroup (AAB#): WG216657 Cal ID: HP14 - 08-JUL-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Carbon Range C6-C35		1000	956	25100	4.4	mg/L	

* Exceeds %D Criteria

Inorganic QA/QC

KEMRON Environmental Services
Data Checklist

Date: 06-JUL-2006
Analyst: SLP
Analyst: NA
Method: 6010B
Instrument: IRIS-ICP
Curve Workgroup: 216735
Runlog ID: 11099
Analytical Workgroups: 216666, 216665, 216670

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	648, 661
Client Forms	X
Level X	
Level 3	648, 661
Level 4	
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	SLP
Secondary Reviewer	LSB
Comments	

Primary Reviewer:
06-JUL-2006

Shirley L. Pabon

Secondary Reviewer:
07-JUL-2006

Leslie Bucina

00061571

KEMRON Environmental Services

Instrument Run Log

Instrument: IRIS-ICP Dataset: 20060706.1
 Analyst1: SLP Analyst2: N/A
 Method: 6010B SOP: ME600F Rev: 5
 Maintenance Log ID: 14574

Calibration Std: STD13426 ICV/CCV Std: STD13107 Post Spike: STD12687
 ICSA: STD13102 ICSAB: STD13354

Workgroups: 216666, 216665, 216670

Comments: 55) Power outage occurred after sample analysis. Plasma was reignited, allowed to equilibrate, a CCV and CCB were analyzed, and the analytical sequence was resumed.

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	IR.070606.095300	WG216735-01	Calibration Point		1		07/06/06 09:53
2	IR.070606.095900	WG216735-02	Calibration Point		1		07/06/06 09:59
3	IR.070606.100500	WG216735-03	Calibration Point		1		07/06/06 10:05
4	IR.070606.101100	WG216735-04	Calibration Point		1		07/06/06 10:11
5	IR.070606.101700	WG216735-05	Calibration Point		1		07/06/06 10:17
6	IR.070606.102300	WG216735-06	Calibration Point		1		07/06/06 10:23
7	IR.070606.103000	WG216735-07	Initial Calibration Verification		1		07/06/06 10:30
8	IR.070606.103600	WG216735-08	Initial Calib Blank		1		07/06/06 10:36
9	IR.070606.104200	WG216735-09	Interference Check		1		07/06/06 10:42
10	IR.070606.104800	WG216735-10	Interference Check		1		07/06/06 10:48
11	IR.070606.105400	WG216735-11	CCV		1		07/06/06 10:54
12	IR.070606.110000	WG216735-12	CCB		1		07/06/06 11:00
13	IR.070606.110600	WG216495-03	Method/Prep Blank	1/50	1		07/06/06 11:06
14	IR.070606.111200	WG216495-04	Laboratory Control S	1/50	1		07/06/06 11:12
15	IR.070606.111800	L0606648-01	07SB03 (0-1)	1.43/50	1		07/06/06 11:18
16	IR.070606.112400	L0606648-02	07SB03 (3-4)	1.31/50	1		07/06/06 11:24
17	IR.070606.113000	L0606648-03	07SB04 (0-1)	1.43/50	1		07/06/06 11:30
18	IR.070606.113600	L0606648-04	07SB04 (3-4)	1.37/50	1		07/06/06 11:36
19	IR.070606.114200	L0606661-01	51SB02 (0-1)	1.42/50	1		07/06/06 11:42
20	IR.070606.114800	L0606661-02	51SB02 (3-4)	1.32/50	1		07/06/06 11:48
21	IR.070606.115400	WG216666-02	Serial Dilution		5	L0606661-02	07/06/06 11:54
22	IR.070606.120000	WG216666-02	Serial Dilution		25	L0606661-02	07/06/06 12:00
23	IR.070606.120600	WG216735-13	CCV		1		07/06/06 12:06
24	IR.070606.121200	WG216735-14	CCB		1		07/06/06 12:12
25	IR.070606.121800	WG216666-01	Post Digestion Spike		1	L0606661-02	07/06/06 12:18
26	IR.070606.122400	WG216495-02	Reference Sample		1	L0606661-03	07/06/06 12:24
27	IR.070606.123000	L0606661-04	51SB03 (3-4)	1.34/50	1		07/06/06 12:30
28	IR.070606.123600	L0606661-05	51SB04 (0-1)	1.44/50	1		07/06/06 12:36
29	IR.070606.124200	L0606661-06	51SB05 (0-1)	1.3/50	1		07/06/06 12:42
30	IR.070606.124800	L0606661-07	DUP-51SB03(0-1)	1.42/50	1		07/06/06 12:48
31	IR.070606.125400	WG216495-05	Matrix Spike	1.37/50	1	L0606661-08	07/06/06 12:54
32	IR.070606.130000	WG216495-06	Matrix Spike Duplica	1.37/50	1	L0606661-09	07/06/06 13:00
33	IR.070606.130600	L0606665-03	FLUX	1.31/50	1		07/06/06 13:06
34	IR.070606.131200	WG216735-15	CCV		1		07/06/06 13:12
35	IR.070606.131800	WG216735-16	CCB		1		07/06/06 13:18
36	IR.070606.132800	WG216503-02	Method/Prep Blank	1/50	1		07/06/06 13:28
37	IR.070606.133400	WG216503-03	Laboratory Control S	1/50	1		07/06/06 13:34



KEMRON Environmental Services

Instrument Run Log

Instrument: IRIS-ICP Dataset: 20060706.1
 Analyst1: SLP Analyst2: N/A
 Method: 6010B SOP: ME600F Rev: 5
 Maintenance Log ID: 14574

Calibration Std: STD13426 ICV/CCV Std: STD13107 Post Spike: STD12687
 ICSA: STD13102 ICSAB: STD13354

Workgroups: 216666, 216665, 216670

Comments: 55) Power outage occurred after sample analysis. Plasma was reignited, allowed to equilibrate, a CCV and CCB were analyzed, and the analytical sequence was resumed.

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
38	IR.070606.134000	L0606652-01	ORG.A3A.202.10	1.4/50	1		07/06/06 13:40
39	IR.070606.134600	WG216665-02	Serial Dilution		5	L0606652-01	07/06/06 13:46
40	IR.070606.135200	WG216665-01	Post Digestion Spike		1	L0606652-01	07/06/06 13:52
41	IR.070606.135800	L0606652-02	ORG.B1A.202.10	1.37/50	1		07/06/06 13:58
42	IR.070606.140400	L0606652-03	ORG.D2A.202.10	1.42/50	1		07/06/06 14:04
43	IR.070606.141000	L0606652-04	ORG.E4A.202.10	1.35/50	1		07/06/06 14:10
44	IR.070606.142100	L0606665-03	FLUX	1.31/50	10		07/06/06 14:21
45	IR.070606.142700	WG216735-17	CCV		1		07/06/06 14:27
46	IR.070606.143300	WG216735-18	CCB		1		07/06/06 14:33
47	IR.070606.144100	WG216503-01	Reference Sample		1	L0606652-05	07/06/06 14:41
48	IR.070606.144700	WG216503-04	Matrix Spike	1.38/50	1	L0606652-06	07/06/06 14:47
49	IR.070606.145300	WG216503-05	Matrix Spike Duplica	1.38/50	1	L0606652-07	07/06/06 14:53
50	IR.070606.145900	L0606652-08	ORG.G2A.202.10	1.46/50	1		07/06/06 14:59
51	IR.070606.150500	L0606652-09	ORG.G2B.202.10	1.35/50	1		07/06/06 15:05
52	IR.070606.151100	L0606652-10	ORG.H1A.202.10	1.5/50	1		07/06/06 15:11
53	IR.070606.151700	L0606652-11	ORG.H4A.202.10	1.38/50	1		07/06/06 15:17
54	IR.070606.152300	L0606652-12	ORG.J3A.202.10	1.35/50	1		07/06/06 15:23
55	IR.070606.152900	L0606652-13	ORG.L4A.202.10	1.36/50	1		07/06/06 15:29
56	IR.070606.155800	WG216735-19	CCV		1		07/06/06 15:58
57	IR.070606.160400	WG216735-20	CCB		1		07/06/06 16:04
58	IR.070606.161000	L0606652-14	ORG.M2A.202.10	1.37/50	1		07/06/06 16:10
59	IR.070606.161600	L0606652-15	ORG.N1A.202.10	1.35/50	1		07/06/06 16:16
60	IR.070606.162200	L0606652-16	ORG.N3A.202.10	1.48/50	1		07/06/06 16:22
61	IR.070606.162800	L0606652-17	ORG.O4A.202.10	1.38/50	1		07/06/06 16:28
62	IR.070606.163400	WG216635-02	Method/Prep Blank	1/50	1		07/06/06 16:34
63	IR.070606.164000	WG216635-03	Laboratory Control S	1/50	1		07/06/06 16:40
64	IR.070606.164600	L0606652-18	ORG.Q2A.202.10	1.38/50	1		07/06/06 16:46
65	IR.070606.165200	WG216670-02	Serial Dilution		5	L0606652-18	07/06/06 16:52
66	IR.070606.165800	WG216670-01	Post Digestion Spike		1	L0606652-18	07/06/06 16:58
67	IR.070606.170400	L0606652-19	ORG.S3A.202.10	1.42/50	1		07/06/06 17:04
68	IR.070606.171000	WG216735-21	CCV		1		07/06/06 17:10
69	IR.070606.171600	WG216735-22	CCB		1		07/06/06 17:16
70	IR.070606.172200	L0606652-20	ORG.T1A.202.10	1.36/50	1		07/06/06 17:22
71	IR.070606.172800	L0606652-21	ORG.T4A.202.10	1.35/50	1		07/06/06 17:28
72	IR.070606.173400	WG216635-01	Reference Sample		1	L0606652-22	07/06/06 17:34
73	IR.070606.174000	WG216635-04	Matrix Spike	1.35/50	1	L0606652-23	07/06/06 17:40
74	IR.070606.174600	WG216635-05	Matrix Spike Duplica	1.35/50	1	L0606652-24	07/06/06 17:46



00061573

KEMRON Environmental Services

Instrument Run Log

Instrument: IRIS-ICP Dataset: 20060706.1
 Analyst1: SLP Analyst2: N/A
 Method: 6010B SOP: ME600F Rev: 5
 Maintenance Log ID: 14574

Calibration Std: STD13426 ICV/CCV Std: STD13107 Post Spike: STD12687
 ICSA: STD13102 ICSAB: STD13354

Workgroups: 216666, 216665, 216670

Comments: 55) Power outage occurred after sample analysis. Plasma was reignited, allowed to equilibrate, a CCV and CCB were analyzed, and the analytical sequence was resumed.

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
75	IR.070606.175200	L0606652-25	ORG.V4A.202.10	1.35/50	1		07/06/06 17:52
76	IR.070606.175800	L0606652-26	ORG.V4B.202.10	1.35/50	1		07/06/06 17:58
77	IR.070606.180400	L0606652-27	ORG.W3A.202.10	1.35/50	1		07/06/06 18:04
78	IR.070606.181000	L0606652-28	ORG.Y2A.202.10	1.37/50	1		07/06/06 18:10
79	IR.070606.181600	L0606652-29	ORG.Z1A.202.10	1.35/50	1		07/06/06 18:16
80	IR.070606.182200	WG216735-23	CCV		1		07/06/06 18:22
81	IR.070606.182800	WG216735-24	CCB		1		07/06/06 18:28
82	IR.070606.183400	L0606652-30	ORG.Z4A.202.10	1.36/50	1		07/06/06 18:34
83	IR.070606.184000	L0606652-31	ORG.HH1.202.10	1.36/50	1		07/06/06 18:40
84	IR.070606.184600	L0606652-32	ORG.EE1.202.10	1.35/50	1		07/06/06 18:46
85	IR.070606.185200	L0606652-33	ORG.AA1.202.10	1.39/50	1		07/06/06 18:52
86	IR.070606.185800	L0606652-34	ORG.DD1.202.10	1.37/50	1		07/06/06 18:58
87	IR.070606.190400	WG216735-25	CCV		1		07/06/06 19:04
88	IR.070606.191000	WG216735-26	CCB		1		07/06/06 19:10



Metals Digestion Log

Analyst(s): RLK
Date: 6/30/06
LCS: 5 ml STD 12687
MS/MSD: 5 ml STD 12687
Witness: NO
HNO₃ Lot #: RET 10226
1:1HNO₃: RET 10288
HCl Lot #: 1265 10225
H₂O₂ Lot #: RET 10254
Earliest Sample Due Date: 7/6/06
Hotblock #: 1
Hotblock Temp - Start: 92.1 °C 06/40
Hotblock Temp - End: 91.1 °C 01/45

Box: 63
Digestion Work Group: WG 216495
General Digestion
ME401 Revision # _____ - Method 3005A-Water
ME403 Revision # 12 - Method 3050B-Soil
Furnace Digestion
ME402 Revision # _____ - Method 3020A-Water
ME403 Revision # _____ - Method 3050B-Soil
AS/SE Digestion
ME410 Revision # _____ - Method 7060/7740-Water
Relinquished By: RLK
Digest Received By: RLK Date: 6/30/06

	KEMRON #	Initial WT/Vol	Final Volume	Comments	Due Date
1	185	1.005	50ml	05	
2	185	1		04	
3	06-648-01	1.43			7/7
4	02	1.31			
5	03	1.43			
6	04	1.37			
7	06-661-01 REF	1.42		01	7/7
8	02	1.32			
9	03 REF	1.37		02	
10	04	1.34			
11	05	1.44			
12	06	1.30			
13	07 DUP	1.42		DUP OF 01 -07	
14	08 MS	1.37		MS OF 03 -05	
15	09 MSP	1		MSP 1 -06	
16	06-665-03	1.31			7/6
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					

Comments: _____

Primary Review: RLK 6/30/06

Secondary Review: Vicki Callen 6/30/06

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061575

Analytical Method: 6010B
Login Number: L0606648

AAB#: WG216666

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
07SB03 (0-1)	06/28/06	06/29/06	06/30/06	180	1.80	07/06/06	180	6.19	
07SB03 (3-4)	06/28/06	06/29/06	06/30/06	180	1.69	07/06/06	180	6.20	
07SB04 (0-1)	06/28/06	06/29/06	06/30/06	180	1.69	07/06/06	180	6.20	
07SB04 (3-4)	06/28/06	06/29/06	06/30/06	180	1.67	07/06/06	180	6.21	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

METHOD BLANK SUMMARY

Login Number: L0606648
Blank File ID: IR.070606.110600
Date Analyzed: 07/06/06
Time Analyzed: 11:06
Analyst: SLP

Work Group: WG216666
Blank Sample ID: WG216495-03
Instrument ID: IRIS-ICP
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216495-04	IR.070606.111200	07/06/06 11:12	01
07SB03 (0-1)	L0606648-01	IR.070606.111800	07/06/06 11:18	01
07SB03 (3-4)	L0606648-02	IR.070606.112400	07/06/06 11:24	01
07SB04 (0-1)	L0606648-03	IR.070606.113000	07/06/06 11:30	01
07SB04 (3-4)	L0606648-04	IR.070606.113600	07/06/06 11:36	01

Login Number: L0606648 Run Date: 07/06/2006 Sample ID: WG216495-03
Instrument ID: IRIS-ICP Run Time: 11:06 Prep Method: 3050B
File ID: IR.070606.110600 Analyst: SLP Method: 6010B
Workgroup (AAB#): WG216666 Matrix: Solid Units: mg/kg
Contract #: DACA56-94-D-0020 Cal ID: IRIS-I-06-JUL-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Silver, Total	0.250	2.00	0.250	1	U

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

Login Number: L0606648 Run Date: 07/06/2006 Sample ID: WG216495-04
Instrument ID: IRIS-ICP Run Time: 11:12 Prep Method: 3050B
File ID: IR.070606.111200 Analyst: SLP Method: 6010B
Workgroup (AAB#): WG216666 Matrix: Solid Units: mg/kg
Contract #: DACA56-94-D-0020 Cal ID: IRIS-I-06-JUL-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Silver, Total	10.0	9.58	95.8	80 - 120	

KEMRON Environmental Services
MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

00061579

Loginnum: L0606648 Cal ID: IRIS-ICP- Worknum: WG216666
Instrument ID: IRIS-ICP Contract #: DACA56-94-D-0020 Method: 6010B
Parent ID: WG216495-01 File ID: IR.070606.114200 Dil: 1 Matrix: SOLID
Sample ID: WG216495-05 MS File ID: IR.070606.125400 Dil: 1 Units: mg/kg
Sample ID: WG216495-06 MSD File ID: IR.070606.130000 Dil: 1 Percent Solid: 93.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Silver, Total	161	7.85	320	2030	7.85	217	706	38.6	75 - 125	20	*

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

KEMRON ENVIRONMENTAL SERVICES
SERIAL DILUTION REPORT

00061580

Sample Login ID:L0606648

Instrument ID:IRIS-ICP

Sample ID:L0606661-02 File ID:IR.070606.114800 Dil:1

Serial Dilution ID:WG216666-02 File ID:IR.070606.115400 Dil:5

Worknum:WG216666

Method:6010B

Units:mg/kg

Analyte	Sample	C	Serial Dilution	C	% Difference	Q
Silver	0.130	X	0.150	F	15.4	

U = Result is below MDL

F = Result is between MDL and RL

X = Result is greater than RL and less than 50 times the MDL

E = %D exceeds control limit of 10% and initial

sample result is greater than or equal to 50 times the MDL

KEMRON ENVIRONMENTAL SERVICES
SERIAL DILUTION REPORT

00061581

Sample Login ID:L0606648

Instrument ID:IRIS-ICP

Sample ID:L0606661-02 File ID:IR.070606.115400 Dil:5

Serial Dilution ID:WG216666-02 File ID:IR.070606.120000 Dil:25

Worknum:WG216666

Method:6010B

Units:mg/kg

Analyte	Sample	C	Serial Dilution	C	% Difference	Q
Silver	0.150	F	0	U	100	

U = Result is below MDL

F = Result is between MDL and RL

X = Result is greater than RL and less than 50 times the MDL

E = %D exceeds control limit of 10% and initial

sample result is greater than or equal to 50 times the MDL

KEMRON ENVIRONMENTAL SERVICES
POST SPIKE REPORT

00061582

Sample Login ID: L0606648

Instrument ID: IRIS-ICP

Post Spike ID: WG216666-01 File ID: IR.070606.121800 Dil: 1

Sample ID: L0606661-02 File ID: IR.070606.114800 Dil: 1

Worknum: WG216666

Method: 6010B

Units: mg/kg

Matrix: Soil

Analyte	Control Limit %R	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Q
SILVER	75 - 125	0.318		0.130		0.200	101	

N = % Recovery exceeds control limits of 75% - 125%

F = Result is between MDL and RL

U = Sample result is below MDL. A value of zero is used in the calculation.

Login Number: L0606648
Analytical Method: 6010B
ICAL Worknum: WG216735

Workgroup (AAB#): WG216666
Instrument ID: IRIS-ICP
Initial Calibration Date: 06-JUL-2006 10:23

Analyte	WG216735-01		WG216735-03		WG216735-04		WG216735-05		WG216735-06		R	Q
	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT		
Silver	0	.0554	.008	.29183	.2	6.591	.4	13.228	.8	26.353	0.999969	

INT = Instrument intensity

R = Coefficient of correlation

Q = Data Qualifier

* = Out of Compliance; R < 0.995

KEMRON Environmental Services
INITIAL CALIBRATION BLANK (ICB)

00061584

Login Number: L0606648 Run Date: 07/06/2006 Sample ID: WG216735-08
Instrument ID: IRIS-ICP Run Time: 10:36 Method: 6010B
File ID: IR.070606.103600 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	-.00195	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK (CCB)

00061585

Login Number: L0606648 Run Date: 07/06/2006 Sample ID: WG216735-12
Instrument ID: IRIS-ICP Run Time: 11:00 Method: 6010B
File ID: IR.070606.110000 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	-0.00120	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK (CCB)

00061586

Login Number: L0606648 Run Date: 07/06/2006 Sample ID: WG216735-14
Instrument ID: IRIS-ICP Run Time: 12:12 Method: 6010B
File ID: IR.070606.121200 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	0.00219	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK (CCB)

00061587

Login Number: L0606648 Run Date: 07/06/2006 Sample ID: WG216735-16
Instrument ID: IRIS-ICP Run Time: 13:18 Method: 6010B
File ID: IR.070606.131800 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	-0.00109	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
INITIAL CALIBRATION VERIFICATION (ICV)

00061588

Login Number: L0606648 Run Date: 07/06/2006 Sample ID: WG216735-07
Instrument ID: IRIS-ICP Run Time: 10:30 Method: 6010B
File ID: IR.070606.103000 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analyte		Expected	Found	%REC	LIMITS	Q
Silver		.4	0.394	98.4	90 - 110	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION VERIFICATION (CCV)

00061589

Login Number: L0606648 Run Date: 07/06/2006 Sample ID: WG216735-11
Instrument ID: IRIS-ICP Run Time: 10:54 Method: 6010B
File ID: IR.070606.105400 Analyst: SLP
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.396	99.1	90 - 110	mg/L	

* Exceeds LIMITS Criteria

KEMRON Environmental Services
CONTINUING CALIBRATION VERIFICATION (CCV)

00061590

Login Number: L0606648 Run Date: 07/06/2006 Sample ID: WG216735-13
Instrument ID: IRIS-ICP Run Time: 12:06 Method: 6010B
File ID: IR.070606.120600 Analyst: SLP
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.398	99.5	90 - 110	mg/L	

* Exceeds LIMITS Criteria

KEMRON Environmental Services
CONTINUING CALIBRATION VERIFICATION (CCV)

00061591

Login Number: L0606648 Run Date: 07/06/2006 Sample ID: WG216735-15
Instrument ID: IRIS-ICP Run Time: 13:12 Method: 6010B
File ID: IR.070606.131200 Analvst: SLP
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.399	99.6	90 - 110	mg/L	

* Exceeds LIMITS Criteria

KEMRON ENVIRONMENTAL SERVICES
INTERFERENCE CHECK SAMPLES

00061592

Login number: L0606648
Instrument ID: IRIS-ICP
Sol. A : WG216735-09
Sol. AB : WG216735-10

File ID: IR.070606.104200
File ID: IR.070606.104800

Workgroup (AAB#): WG216666
Method: 6010B
Units: mg/L

ANALYTE	Sol. A			Sol. AB			Q
	True	Found	%Recovery	True	Found	%Recovery	
Silver	NS	-0.000630	NS	0.500	0.500	100	

NS = Not spiked

* = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.

= Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).

KEMRON Environmental Services
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061593

Login Number: L0606648 **Date:** 06/08/2006
Instrument ID: IRIS-ICP **Method:** 6010B

Analyte	Wave Length	AL	AS	B	BA	BE
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	-0.00000400	-0.00000300	0	0	0
ARSENIC	189.00	0.0000100	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0.00000100	0.0160	0	-0.00181	0
CALCIUM	373.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0
COBALT	228.60	0	0	0	0	0
COPPER	324.70	0	0	0	0	0
IRON	271.40	0	0	0	0	0
LEAD	220.30	0.000500	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	277.90	0	-0.0432	0	0	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0.00830
POTASSIUM	766.40	0	0	0	-0.0660	0
SELENIUM	196.00	0.000156	0	0	0	0
SILICON	251.60	0	0	-0.0157	0	0
SILVER	328.00	0.00000100	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0	0	0	0
THALLIUM	190.80	-0.0000300	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	0	0	0	0	0
VANADIUM	310.20	-0.0000260	0	0	0	0.00900
ZINC	213.80	0	0	0	0	0

KEMRON Environmental Services
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061594

Login Number: L0606648
 Instrument ID: IRIS-ICP

Date: 06/08/2006
 Method: 6010B

Analyte	Wave Length	CA	CO	CR	CU	FE
ALUMINUM	308.20	0	-0.00524	0	0	0
ANTIMONY	206.80	0	0	0.0230	0	0.00000500
ARSENIC	189.00	0	0	0.000280	0	-0.000110
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0.00160	0	0	0
CADMIUM	228.80	0.00000200	0	0	0	0.00000300
CALCIUM	373.70	0	0	0	0	0.00400
CHROMIUM	267.70	0	0	0	0	-0.0000100
COBALT	228.60	0	0	0.0000450	0	0.0000150
COPPER	324.70	0	0	-0.000150	0	0.0000390
IRON	271.40	0.00160	0.0969	0	0	0
LEAD	220.30	0	-0.000300	-0.000220	0	0.0000170
LITHIUM	670.80	-0.0000500	0	0	0	0
MAGNESIUM	277.90	0	0	-0.00436	0	0
MANGANESE	257.60	0	0	0	0	-0.0000180
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0.000400	0	0	0.00000700
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0.00419	0	0	-0.00100
SILICON	251.60	0	0	0	0	0
SILVER	328.00	0	0	-0.0000420	0	0.00000100
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0.0000600	0	0	-0.000392
THALLIUM	190.80	0	0.00649	0.000190	0	-0.0000800
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	-0.0000300	0	0.000300	0	0
VANADIUM	310.20	0	0	-0.000646	0	-0.0000100
ZINC	213.80	0	0	0	0.000250	0.0000600

KEMRON Environmental Services
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061595

Login Number: L0606648
Instrument ID: IRIS-ICP

Date: 06/08/2006
Method: 6010B

Analyte	Wave Length	LI	MG	MN	MO	NI
ALUMINUM	308.20	0	0	0.00180	0.0300	0
ANTIMONY	206.80	0	0	0	-0.00800	-0.000100
ARSENIC	189.00	0	0	0	0.00108	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	-0.0000500	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0	0	0	-0.0000250
CALCIUM	373.70	0	0	0.00160	0	0.00195
CHROMIUM	267.70	0	0	0.000510	0	0
COBALT	228.60	0	0	0	0	0
COPPER	324.70	0	0	0	0	0
IRON	271.40	0	0	-0.000500	-0.00740	0
LEAD	220.30	0	0	0	-0.00300	0.000489
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	277.90	0	0	0.00132	-0.120	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0.000260	-0.000660	0
SILICON	251.60	0	0	0	0.00800	0
SILVER	328.00	0	0	0.0000800	-0.000290	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0	0	-0.0000800	0
THALLIUM	190.80	0	0	0.00130	-0.00710	0
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	-0.00250	0	0	0	0
VANADIUM	310.20	0	-0.00000400	0	0	0
ZINC	213.80	0	0.0000180	0.000279	0	0.00635

KEMRON Environmental Services
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061596

Login Number: L0606648 **Date:** 06/08/2006
Insturment ID: IRIS-ICP **Method:** 6010B

Analyte	Wave Length	SB	SN	TI	V	ZN
ALUMINUM	308.20	0	0	-0.00200	0.00930	0
ANTIMONY	206.80	0	0	0.000620	0.0000700	0
ARSENIC	189.00	-0.000420	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0.00120	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0	0	0.0000360	0
CALCIUM	373.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0.000100	0
COBALT	228.60	0	-0.00339	0.00180	0	-0.00100
COPPER	324.70	0	0	-0.000950	-0.00383	0
IRON	271.40	0	0	0	-0.0430	0
LEAD	220.30	0	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	277.90	0	0	0	0.00570	0
MANGANESE	257.60	0	0	0	-0.0000750	0
MOLYBDENUM	202.03	0	0	0	-0.000247	0.00200
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0.0140
SILICON	251.60	0	0	0.00665	0	0
SILVER	328.00	0	0	0.00268	-0.0143	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0	0	0	0.000768
THALLIUM	190.80	-0.000146	0	0.00180	0.00321	0
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	0	0		0	0
VANADIUM	310.20	0	0	0	0	0
ZINC	213.80	0	0	0	0	0

Login Number: L0606648
Instrument ID: IRIS-ICP

Date: 06/06/2006
Method: 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	10.00	800.0
Antimony	55.00	50.0
Arsenic	55.00	100.0
Barium	10.00	20.0
Beryllium	10.00	4.0
Boron	55.00	100.0
Cadmium	55.00	30.0
Calcium	10.00	500.0
Chromium	55.00	20.0
Cobalt	55.00	100.0
Copper	10.00	50.0
Iron	55.00	900.0
Lead	55.00	200.0
Lithium	10.00	10.0
Magnesium	55.00	1000.0
Manganese	55.00	20.0
Molybdenum	55.00	30.0
Nickel	55.00	100.0
Potassium	10.00	200.0
Selenium	55.00	20.0
Silicon	55.00	50.0
Silver	10.00	10.0
Sodium	10.00	150.0
Strontium	55.00	30.0
Thallium	55.00	20.0
Tin	55.00	30.0
Titanium	10.00	25.0
Vanadium	10.00	100.0
Zinc	55.00	20.0

Comments:

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061598

Analytical Method: 314.0
Login Number: L0606648

AAB#: WG216682

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
07SB03 (0-1)	06/28/06	06/29/06	07/05/06	28	7.20	07/05/06	28	7.20	
07SB03 (3-4)	06/28/06	06/29/06	07/05/06	28	7.11	07/05/06	28	7.11	
07SB04 (0-1)	06/28/06	06/29/06	07/05/06	28	7.12	07/05/06	28	7.12	
07SB04 (3-4)	06/28/06	06/29/06	07/05/06	28	7.11	07/05/06	28	7.11	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

METHOD BLANK SUMMARY

Login Number: L0606648
Blank File ID: I1070506.12
Date Analyzed: 07/05/06
Time Analyzed: 15:22
Analyst: JWR

Work Group: WG216682
Blank Sample ID: WG216682-01
Instrument ID: IC1
Method: 314.0

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216682-02	I1070506.14	07/05/06 16:02	01
07SB03 (0-1)	L0606648-01	I1070506.15	07/05/06 16:23	01
07SB03 (3-4)	L0606648-02	I1070506.16	07/05/06 16:43	01
07SB04 (0-1)	L0606648-03	I1070506.17	07/05/06 17:04	01
07SB04 (3-4)	L0606648-04	I1070506.18	07/05/06 17:24	01
DUP	WG216682-04	I1070506.19	07/05/06 17:44	01
DUP	WG216682-06	I1070506.32	07/05/06 22:10	01

Login Number: L0606648 Run Date: 07/05/2006 Sample ID: WG216682-01
Instrument ID: IC1 Run Time: 15:22 Prep Method: 314.0
File ID: I1070506.12 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG216682 Matrix: Solid Units: ug/kg
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Perchlorate	5.00	10.0	5.00	1	U

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

Login Number: L0606648 Run Date: 07/05/2006 Sample ID: WG216682-02
Instrument ID: IC1 Run Time: 16:02 Prep Method: 314.0
File ID: I1070506.14 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG216682 Matrix: Solid Units: ug/kg
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	Expected	Found	% Rec	LCS Limits	Q
Perchlorate	250	233	93.2	85 - 115	

DUPLICATE (DUP)

00061602

Sample Ref: L0606648-04 Cal ID: IC1 - Worknum: WG216682
Instrument ID: IC1 Method: 314
Sample ID: WG216682-03 File ID: I1070506.18 Dil: 1 Matrix: SOLID
Duplicate ID: WG216682-04 File ID: I1070506.19 Dil: 1 Units: ug/kg

Analyte	Sample	Duplicate	RPD	RPD Limit	Q
Perchlorate	16.1	16.9	5.10	25	

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

DUPLICATE (DUP)

00061603

Sample Ref: L0606667-11 Cal ID: IC1 - Worknum: WG216682
Instrument ID: IC1 Method: 314
Sample ID: WG216682-05 File ID: I1070506.31 Dil: 1 Matrix: SOLID
Duplicate ID: WG216682-06 File ID: I1070506.32 Dil: 1 Units: ug/kg

Analyte	Sample	Duplicate	RPD	RPD Limit	Q
Perchlorate	ND	ND	0	25	

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

2617

Kemron

ENVIRONMENTAL SERVICES

CHAIN-OF-CUSTODY RECORD

156 Starlite Drive

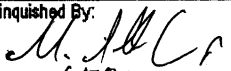
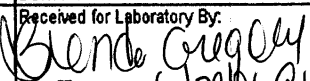
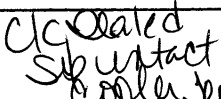
Phone:

740-373-4071

Marietta, OH 45750

Fax:

740-373-4835

Co. Name: Shaw Alliance		TAT: 7 Business Days															
Prj Contact: Diane Meyer		Phone No: (713) 996-4408															
Prj Name: Site 07																	
Location: Karnack, Texas		PO No : 161755															
Sampler Print:		Sampler Sign:															
Allen Willmore																	
Sample ID	Comp	Grab	Date	Time	Hold	# of Containers	8260	8270	AG (6010)	TK1005	CLD (34.1)	PCT-S	COMMENTS				
07SB01 (0-1)													ENCLOS				
07SB01 (3-4)													taken at				
07SB02 (0-1)													bottom depth				
07SB02 (3-4)																	
07SB03 (0-1)	✓	✓	6/28/06	11:33		5	3	✓	✓	✓	✓	✓					
07SB03 (3-4)	✓	✓	6/28/06	14:10		5	3	✓	✓	✓	✓	✓					
07SB04 (0-1)	✓	✓	6/28/06	14:10		5	3	✓	✓	✓	✓	✓					
07SB04 (3-4)	✓	✓	6/28/06	14:50		5	3	✓	✓	✓	✓	✓					
07SB05 (0-1)																	
07SB05 (3-4)																	
07SB06 (0-1)																	
07SB06 (3-4)																	
DUP																	
MS																	
EQUIPMENT RINSE																	
Relinquished By: 				Received By:				Received By:									
Date/Time 6/28/06 16:00				Date/Time				Date/Time									
Relinquished By:				Received for Laboratory By: 				Remarks: 									
Date/Time				Date/Time 6/29/06 01:005													

KEMRON Environmental Services
Internal Chain of Custody Report

00061605

Login: L0606648
Account: 2773
Project: 2773.025
Samples: 4
Due Date: 12-JUL-2006

Samplenum **Container ID** **Products**

L0606648-01 247538 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:48	CAA	BRG

Samplenum **Container ID** **Products**

L0606648-01 247539 PCT-S AG 827-SPE CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	W1	WET	29-JUN-2006 13:45	JB	BRG
3	STORE	WET	W1	29-JUN-2006 14:09	BRG	JB
4	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
5	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
6	PREP	W1	EXT	30-JUN-2006 07:09	CEB	BRG
7	STORE	EXT	W1	30-JUN-2006 09:51	BRG	CEB
8	ANALYZ	W1	WET	30-JUN-2006 11:40	JWR	JKT
9	STORE	WET	A1	07-JUL-2006 13:01	BRG	JWR

Samplenum **Container ID** **Products**

L0606648-01 247540 826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

KEMRON Environmental Services
Internal Chain of Custody Report

00061606

Login: L0606648

Account: 2773

Project: 2773.025

Samples: 4

Due Date: 12-JUL-2006

Samplenum **Container ID** **Products**

L0606648-01 247541 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

Samplenum **Container ID** **Products**

L0606648-02 247542 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:48	CAA	BRG

Samplenum **Container ID** **Products**

L0606648-02 247543 AG 827-SPE CLO4 PCT-S

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	W1	WET	29-JUN-2006 13:45	JB	BRG
3	STORE	WET	W1	29-JUN-2006 14:09	BRG	JB
4	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
5	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
6	PREP	W1	EXT	30-JUN-2006 07:09	CEB	BRG
7	STORE	EXT	W1	30-JUN-2006 09:51	BRG	CEB
8	ANALYZ	W1	WET	30-JUN-2006 11:40	JWR	JKT
9	STORE	WET	A1	07-JUL-2006 13:01	BRG	JWR

KEMRON Environmental Services
Internal Chain of Custody Report

00061607

Login: L0606648
Account: 2773
Project: 2773.025
Samples: 4
Due Date: 12-JUL-2006

Samplenum **Container ID** **Products**
L0606648-02 247544 826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

Samplenum **Container ID** **Products**
L0606648-02 247545 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

Samplenum **Container ID** **Products**
L0606648-03 247546 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:48	CAA	BRG

Login: L0606648
Account: 2773
Project: 2773.025
Samples: 4
Due Date: 12-JUL-2006

Samplenum **Container ID** **Products**
L0606648-03 247547 PCT-S AG 827-SPE CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	W1	WET	29-JUN-2006 13:45	JB	BRG
3	STORE	WET	W1	29-JUN-2006 14:09	BRG	JB
4	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
5	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
6	PREP	W1	EXT	30-JUN-2006 07:09	CEB	BRG
7	STORE	EXT	W1	30-JUN-2006 09:50	BRG	CEB
8	ANALYZ	W1	WET	30-JUN-2006 11:40	JWR	JKT
9	STORE	WET	A1	07-JUL-2006 13:01	BRG	JWR

Samplenum **Container ID** **Products**
L0606648-03 247548 826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

Samplenum **Container ID** **Products**
L0606648-03 247549 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

KEMRON Environmental Services
Internal Chain of Custody Report

00061609

Login: L0606648
Account: 2773
Project: 2773.025
Samples: 4
Due Date: 12-JUL-2006

Samplenum **Container ID** **Products**

L0606648-04 247550 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:48	CAA	BRG

Samplenum **Container ID** **Products**

L0606648-04 247551 PCT-S AG 827-SPE CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	W1	WET	29-JUN-2006 13:45	JB	BRG
3	STORE	WET	W1	29-JUN-2006 14:09	BRG	JB
4	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
5	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
6	PREP	W1	EXT	30-JUN-2006 07:09	CEB	BRG
7	STORE	EXT	W1	30-JUN-2006 09:50	BRG	CEB
8	ANALYZ	W1	WET	30-JUN-2006 11:40	JWR	JKT
9	STORE	WET	A1	07-JUL-2006 13:02	BRG	JWR

Samplenum **Container ID** **Products**

L0606648-04 247552 826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

KEMRON Environmental Services
Internal Chain of Custody Report

00061610

Login: L0606648
Account: 2773
Project: 2773.025
Samples: 4
Due Date: 12-JUL-2006

Samplenum **Container ID** **Products**
L0606648-04 247553 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 11:05	BRG	
2	ANALYZ	L1	VOAY	29-JUN-2006 11:15	MES	JKT

SAMPLE RECEIPT FORM

Date: 6-29-06 Client: Shaw-KS ¹⁰⁰⁵156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071Shipped By: () FedEx ☒ UPS () DHL () KEMRON () Client () OtherOpened By: BrgLogged By: Brg Login # L06 06648IR Temp Gun: () D ☒

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	1403	2	1266V72501904284		
2					
3					
4					
5					
6					

Were all coolers sealed? ☒ Y N N/A
 Were custody seals used on all coolers? ☒ Y N N/A
 Were custody seals intact? ☒ Y N N/A
 Was visible ice present? ☒ Y N N/A
 Were all coolers in the temperature range of 2-6C? (>6C*) ☒ Y N N/A
 Were the samples frozen?* ☐ Y ☒ N N/A
 Were COC papers provided? ☒ Y N N/A
 Were all sample containers intact?* ☒ Y N N/A
 Were all sample labels intact? ☒ Y N N/A
 Were all sample labels legible?* ☒ Y N N/A
 Did all sample labels match the COC?* ☒ Y ☒ N N/A ^{Brg 6-29-06}
 Was the label information complete?* ☒ Y N N/A
 Were the correct containers used?* ☒ Y N N/A
 Were the correct preservatives added to water samples?* ☐ Y N ☒ N/A
 Was the pH tested on preserved water samples? ☐ Y N ☒ N/A
 Were pH ranges acceptable?* ☐ Y N ☒ N/A
 Was sufficient amount of sample provided?* ☒ Y N N/A
 Were bubbles present in VOA samples?* ☐ Y N ☒ N/A
 Were COC's signed and dated? ☒ Y N N/A
 Did samples arrive before hold time expired?* ☒ Y N N/A
 Are discrepancy forms attached? ☒ Y N N/A
 *Requires a discrepancy form

Comments: _____

CRF #1
Revised 8/22/03

CRF#4

Sample Discrepancy Form

Client: Shaw Project: _____

Date Received: 6-29-06 _____

_____ Cooler temperature > than 6 degrees Celsius

Reason _____

_____ Samples received not on chain of custody

_____ Samples on chain of custody not received

Information on sample containers different from chain of custody
etc ✓ 075803 (0-1) @ 1133 = Soil jars 11:40
075803 (3-4) @ 1400 = Encore time 1350
075804 (3-4) @ 1440 = Soil jars 14:50

_____ Sample containers received broken, leaking or not sealed (List sample ID)

_____ pH out (List sample ID, which container, pH prior to adjusting, amount of acid, preservative)

_____ Insufficient sample volume

_____ Air bubbles present in VOA vials (List sample ID)

_____ Hold time expired (List sample ID)

Service Representative:

Was client notified regarding information: YES NO

Name of Person contacted: _____ Company: _____

Service Representative: _____ Date: _____

Last Revised 08/22/03

Login Chain of Custody Report (In01)

Shaw E & I, Inc.

INTERNAL COC

Jun. 29, 2006
11:05 AM

Login Number: L0606648

Account: 2773

Shaw E & I, Inc.

Project: 2773.025

798-LONGHORN

Page: 1 of 3

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR	Due Date	Client Due Date	Comments
L0606648-01	07SB03 (0-1)	28-JUN-06	29-JUN-06	F3	07-JUL-06		TRRP; 826 & 827-SPE = full TCL list **Flag data down to the mdl.**
Soil	S T1005	Hold: 12-JUL-06	W1	G-125-W	1	Bottles	
Soil	S 827-SPE	Hold: 12-JUL-06	W1	G-125-W			
Soil	S AG	Hold: 25-DEC-06	W1	G-125-W			
Soil	S CLO4	Hold: 26-JUL-06	W1	G-125-W			
Soil	S PCT-S	Hold:	W1	G-125-W	1	Bottles	
Soil	S 826-SPE	Hold: 12-JUL-06	V1	G-60-T2			
Soil	S G-40-T2	Hold: 12-JUL-06	F1	G-60-T2	3	Bottles	
Soil	S ENCORE	Hold: 12-JUL-06	V1	ENCORE	3	Bottles	
Soil	S DIG-ICP	Hold: 26-DEC-06					
Soil	S ICP-IRIS	Hold: 26-DEC-06					
Soil	S ICP-PE	Hold: 26-DEC-06					
L0606648-02	07SB03 (3-4)	28-JUN-06	29-JUN-06	F3	07-JUL-06		TRRP; 826 & 827-SPE = full TCL list **Flag data down to the mdl.**
Soil	S T1005	Hold: 12-JUL-06	W1	G-125-W	1	Bottles	
Soil	S 827-SPE	Hold: 12-JUL-06	W1	G-125-W			
Soil	S AG	Hold: 25-DEC-06	W1	G-125-W			
Soil	S CLO4	Hold: 26-JUL-06	W1	G-125-W			
Soil	S PCT-S	Hold:	W1	G-125-W	1	Bottles	
Soil	S 826-SPE	Hold: 12-JUL-06	V1	G-60-T2			
Soil	S G-40-T2	Hold: 12-JUL-06	F1	G-60-T2	3	Bottles	
Soil	S ENCORE	Hold: 12-JUL-06	V1	ENCORE	3	Bottles	
Soil	S DIG-ICP	Hold: 26-DEC-06					
Soil	S ICP-IRIS	Hold: 26-DEC-06					
Soil	S ICP-PE	Hold: 26-DEC-06					

Login Chain of Custody Report (In01)

Shaw E & I, Inc.

Jun. 29, 2006
11:05 AM

Login Number: L0606648

Account: 2773

Shaw E & I, Inc.

Project: 2773.025

798-LONGHORN

Page: 2 of 3

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Client Due Date	Comments
L0606648-03	07SB04 (0-1)	28-JUN-06	29-JUN-06	F3	07-JUL-06		TRRP; 826 & 827-SPE = full TCL list **Flag data down to the mdl.**
Soil	S T1005	Hold: 12-JUL-06	W1	G-125-W	1	Bottles	
Soil	S 827-SPE	Hold: 12-JUL-06	W1	G-125-W			
Soil	S AG	Hold: 25-DEC-06	W1	G-125-W			
Soil	S CLO4	Hold: 26-JUL-06	W1	G-125-W			
Soil	S PCT-S	Hold:	W1	G-125-W	1	Bottles	
Soil	S 826-SPE	Hold: 12-JUL-06	V1	G-60-T2			
Soil	S G-40-T2	Hold: 12-JUL-06	F1	G-60-T2	3	Bottles	
Soil	S ENCORE	Hold: 12-JUL-06	V1	ENCORE	3	Bottles	
Soil	S DIG-ICP	Hold: 26-DEC-06					
Soil	S ICP-IRIS	Hold: 26-DEC-06					
Soil	S ICP-PE	Hold: 26-DEC-06					

Login Chain of Custody Report (In01)

Shaw E & I, Inc.

Jun. 29, 2006
11:05 AM

Login Number: L0606648

Account: 2773

Shaw E & I, Inc.

Project: 2773.025

798-LONGHORN

Page: 3 of 3

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date	Client Due Date	Comments
L0606648-04	07SB04 (3-4)	28-JUN-06	29-JUN-06	F3	07-JUL-06	TRRP; 826 & 827-SPE = full TCL list **Flag data down to the mdl.**
Soil	S T1005	Hold: 12-JUL-06	W1	G-125-W	1 Bottles	
Soil	S 827-SPE	Hold: 12-JUL-06	W1	G-125-W		
Soil	S AG	Hold: 25-DEC-06	W1	G-125-W		
Soil	S CLO4	Hold: 26-JUL-06	W1	G-125-W		
Soil	S PCT-S	Hold:	W1	G-125-W	1 Bottles	
Soil	S 826-SPE	Hold: 12-JUL-06	V1	G-60-T2		
Soil	S G-40-T2	Hold: 12-JUL-06	F1	G-60-T2	3 Bottles	
Soil	S ENCORE	Hold: 12-JUL-06	V1	ENCORE	3 Bottles	
Soil	S DIG-ICP	Hold: 26-DEC-06				
Services	S EDD-ITEMS	Hold:				
Services	S ICOC	Hold:				
Soil	S ICP-IRIS	Hold: 26-DEC-06				
Soil	S ICP-PE	Hold: 26-DEC-06				
Services	S INVOICED	Hold:				
Services	S L3-6010	Hold:				
Services	S L3-8260	Hold:				
Services	S L3-8270	Hold:				
Services	S L3-CLO4	Hold:				
Services	S L3-T1005	Hold:				
Services	S MAIL	Hold:				
Services	S PRINTED	Hold:				
Services	S TRRP-6010	Hold:				
Services	S TRRP-8260	Hold:				
Services	S TRRP-8270	Hold:				
Services	S TRRP-CLO4	Hold:				
Services	S TRRP-CV	Hold:				
Services	S TRRP-T1005	Hold:				
Services	S TRRP-T1006	Hold:				
Services	S TSR	Hold:				

Date: June 29, 2006

Signature: *Brenda Gregory*

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0606695

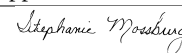
CHAIN OF CUSTODY: The chain of custody number was 2617

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperatures were 4, 0 and 0 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 06-JUL-06



This data Package consists of:

This signature page, the laboratory review checklists, 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 5.13 or ISO/IEC 17025 Section 5.10

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) for each analyte, 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 amount,

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 %R 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) 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 laboratory review checklist.

Release statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exceptions reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [✓] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

MIKE D. ALBERTSON



Volatiles Lab Supervisor

July 11, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

KEMRON Environmental Services Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0606695
Project Name: 798-LONGHORN
Method: 8260B
Prep Batch Number(s): 216608, 216612, 216692, 216697
Reviewer Name: MIKE D. ALBERTSON
LRC Date: July 11, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?			✓		
Surrogate recovery data					
Were surrogates added prior to extraction?	✓				
Were surrogate percent recoveries in all samples within the laboratory QC limits?		✓			1
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?	✓				
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 the required frequency?	✓				
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
Was the LCSD RPD within QC limits?	✓				
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?		✓			2

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?		✓	00061619 2		
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?			✓		
Were analytical duplicates analyzed at the appropriate frequency?			✓		
Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
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 included in the laboratory data package?	✓				
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?	✓				
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				
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?	✓				
Initial and continuing calibration verification (ICV 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?			✓		
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?	✓				
Were ion abundance data within the method-required QC limits?	✓				
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?	✓				
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?	✓				
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:					
Were percent recoveries within method QC limits?			✓		
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?			✓		
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?	✓				
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				

Description	Yes	No	NA(1)	NR(2)	ER(3)
Standards documentation			00061620		
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?	✓				
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

EXCEPTIONS REPORT

ER# - Description

- 1) 1,2-Dichloroethane-d4 exceeded the upper control limit in sample 01. Toluene-d8 was below the lower control limit in the soil LCS analyzed 07/06/06 on HPMS-9.
- 2) Recovery results for 1,2,4-trichlorobenzene were below the lower advisory limit and acetone exceeded the upper advisory limit. Due to varying sample weights, multiple RPD results exceeded the upper advisory limits.

Footnotes:

- (1) NA = Not applicable to method or project
- (2) NR = Not reviewed
- (3) ER# = Exception report number

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R3 Test reports (analytical data sheets) for each environmental sample that includes:

- a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
- 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) for each analyte, 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 amount,
- 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 %R 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) 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 laboratory review checklist.

Release statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exceptions reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

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MICHAEL D. COCHRAN



Semivolatiles Lab Supervisor

July 10, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0606695
Project Name: 798-LONGHORN
Method: 8270
Prep Batch Number(s): WG216687, WG216596
Reviewer Name: MICHAEL D. COCHRAN
LRC Date: July 10, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?			✓		
Surrogate recovery data					
Were surrogates added prior to extraction?	✓				
Were surrogate percent recoveries in all samples within the laboratory QC limits?		✓			1
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?	✓				
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 the required frequency?	✓				
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
Was the LCSD RPD within QC limits?	✓				
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?		✓			2

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?	✓		00061623		

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
 Laboratory Log Number: L0606695
 Project Name: 798-LONGHORN
 Method: 8270
 Prep Batch Number(s): WG216687, WG216596
 Reviewer Name: MICHAEL D. COCHRAN
 LRC Date: July 10, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?			✓		
Were analytical duplicates analyzed at the appropriate frequency?			✓		
Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
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 included in the laboratory data package?	✓				
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?			✓		
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				
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?	✓				
Initial and continuing calibration verification (ICV 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?			✓		
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?	✓				
Were ion abundance data within the method-required QC limits?	✓				
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?	✓				
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?			✓		

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
 Laboratory Log Number: L0606695
 Project Name: 798-LONGHORN
 Method: 8270
 Prep Batch Number(s): WG216687, WG216596
 Reviewer Name: MICHAEL D. COCHRAN
 LRC Date: July 10, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:					
Were percent recoveries within method QC limits?			✓		
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?			✓		
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?	✓				
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
Standards documentation					
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?	✓				
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name:	KEMRON
Laboratory Log Number:	L0606695
Project Name:	798-LONGHORN
Method:	8270
Prep Batch Number(s):	WG216687, WG216596
Reviewer Name:	MICHAEL D. COCHRAN
LRC Date:	July 10, 2006

EXCEPTIONS REPORT

ER# - Description

1. Sample 13 yielded a percent recovery for 2-fluorophenol that was below the lower advisory limit.
Samples 14MS and 15MSD yielded percent recoveries for seven and six compounds respectively that were below the lower advisory limit.

Footnotes:

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- (2) NR = Not reviewed
- (3) ER# = Exception report number

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- 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) for each analyte, 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 amount,
- 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 %R 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) 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 laboratory review checklist.

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MICHAEL D. COCHRAN



Semivolatiles Lab Supervisor

July 12, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0606695
Project Name: 798-LONGHORN
Method: T1005
Prep Batch Number(s): WG216656, WG216757
Reviewer Name: MICHAEL D. COCHRAN
LRC Date: July 12, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?			✓		
Surrogate recovery data					
Were surrogates added prior to extraction?	✓				
Were surrogate percent recoveries in all samples within the laboratory QC limits?	✓				
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?	✓				
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 the required frequency?	✓				
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
Was the LCSD RPD within QC limits?		✓			1
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?			✓		

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?			00061629		

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
 Laboratory Log Number: L0606695
 Project Name: 798-LONGHORN
 Method: T1005
 Prep Batch Number(s): WG216656, WG216757
 Reviewer Name: MICHAEL D. COCHRAN
 LRC Date: July 12, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?			✓		
Were analytical duplicates analyzed at the appropriate frequency?			✓		
Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
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 included in the laboratory data package?	✓				
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?			✓		
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				
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?	✓				
Initial and continuing calibration verification (ICV 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?			✓		
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?			✓		
Were ion abundance data within the method-required QC limits?			✓		
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?			✓		
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?			✓		

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
 Laboratory Log Number: L0606695
 Project Name: 798-LONGHORN
 Method: T1005
 Prep Batch Number(s): WG216656, WG216757
 Reviewer Name: MICHAEL D. COCHRAN
 LRC Date: July 12, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:					
Were percent recoveries within method QC limits?			✓		
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?			✓		
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?	✓				
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
Standards documentation					
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?	✓				
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name:	KEMRON
Laboratory Log Number:	L0606695
Project Name:	798-LONGHORN
Method:	T1005
Prep Batch Number(s):	WG216656, WG216757
Reviewer Name:	MICHAEL D. COCHRAN
LRC Date:	July 12, 2006

EXCEPTIONS REPORT

ER# - Description

1. The LCS/LCS DUP associated with sample 16 yielded a percent RSD that exceeded the acceptance limit.

Footnotes:

- (1) NA = Not applicable to method or project
- (2) NR = Not reviewed
- (3) ER# = Exception report number

This data Package consists of:

This signature page, the laboratory review checklists, 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 5.13 or ISO/IEC 17025 Section 5.10
- 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) for each analyte, 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 amount,
- 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 %R 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) 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 laboratory review checklist.

Release statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exceptions reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, If applicable: ☐ This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

LESLIE S. BUCINA



Metals Supervisor

July 7, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0606695
Project Name: 798-LONGHORN
Method: 6010
Prep Batch Number(s): WG216721
Reviewer Name: LESLIE S. BUCINA
LRC Date: July 07, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?			✓		
Surrogate recovery data					
Were surrogates added prior to extraction?			✓		
Were surrogate percent recoveries in all samples within the laboratory QC limits?			✓		
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?	✓				
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 the required frequency?	✓				
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
Was the LCSD RPD within QC limits?			✓		
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?			✓		

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?			00061635		
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?			✓		
Were analytical duplicates analyzed at the appropriate frequency?			✓		
Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
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 included in the laboratory data package?	✓				
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?	✓				
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				
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?	✓				
Initial and continuing calibration verification (ICV 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 <RL?	✓				
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?			✓		
Were ion abundance data within the method-required QC limits?			✓		
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?			✓		
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?			✓		
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:					
Were percent recoveries within method QC limits?	✓				
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?	✓				
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?	✓				
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				

Description	Yes	No	NA(1)	NR(2)	ER(3)
Standards documentation			00061636		
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?	✓				
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name:	KEMRON
Laboratory Log Number:	L0606695
Project Name:	798-LONGHORN
Method:	6010
Prep Batch Number(s):	WG216721
Reviewer Name:	LESLIE S. BUCINA
LRC Date:	July 07, 2006

EXCEPTIONS REPORT

ER# - Description

Footnotes:

- (1) NA = Not applicable to method or project
- (2) NR = Not reviewed
- (3) ER# = Exception report number

This data Package consists of:

This signature page, the laboratory review checklists, 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 5.13 or ISO/IEC 17025 Section 5.10
- 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) for each analyte, 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 amount,
- 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 %R 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) 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 laboratory review checklist.

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LESLIE S. BUCINA



Metals Supervisor

July 11, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0606695
Project Name: 798-LONGHORN
Method: 6010
Prep Batch Number(s): WG216803
Reviewer Name: LESLIE S. BUCINA
LRC Date: July 11, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?			✓		
Surrogate recovery data					
Were surrogates added prior to extraction?			✓		
Were surrogate percent recoveries in all samples within the laboratory QC limits?			✓		
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?	✓				
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 the required frequency?	✓				
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
Was the LCSD RPD within QC limits?			✓		
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?			✓		

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?			00061640		
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?			✓		
Were analytical duplicates analyzed at the appropriate frequency?			✓		
Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
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 included in the laboratory data package?	✓				
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?	✓				
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				
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?	✓				
Initial and continuing calibration verification (ICV 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 <RL?	✓				
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?			✓		
Were ion abundance data within the method-required QC limits?			✓		
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?			✓		
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?			✓		
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:					
Were percent recoveries within method QC limits?	✓				
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?	✓				
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?	✓				
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				

Description	Yes	No	NA(1)	NR(2)	ER(3)
Standards documentation			00061641		
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?	✓				
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name:	KEMRON
Laboratory Log Number:	L0606695
Project Name:	798-LONGHORN
Method:	6010
Prep Batch Number(s):	WG216803
Reviewer Name:	LESLIE S. BUCINA
LRC Date:	July 11, 2006

EXCEPTIONS REPORT

ER# - Description

Footnotes:

- (1) NA = Not applicable to method or project
- (2) NR = Not reviewed
- (3) ER# = Exception report number

This data Package consists of:

This signature page, the laboratory review checklists, 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 5.13 or ISO/IEC 17025 Section 5.10
- 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) for each analyte, 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 amount,
- 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 %R 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) 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 laboratory review checklist.

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Check, If applicable: ☐ This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

DEANNA I. HESSON



Conventional Lab Supervisor

July 9, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0606695
Project Name: 798-LONGHORN
Method: PCTSOLIDS
Prep Batch Number(s): WG216616, WG216760
Reviewer Name: DEANNA I. HESSON
LRC Date: July 09, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?			✓		
Surrogate recovery data					
Were surrogates added prior to extraction?			✓		
Were surrogate percent recoveries in all samples within the laboratory QC limits?			✓		
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?			✓		
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 the required frequency?			✓		
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?			✓		
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?			✓		
Was the LCSD RPD within QC limits?			✓		
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?			✓		

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?			00061645		
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?	✓				
Were analytical duplicates analyzed at the appropriate frequency?	✓				
Were RPDs or relative standard deviations within the laboratory QC limits?	✓				
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 included in the laboratory data package?			✓		
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?	✓				
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?			✓		
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?			✓		
Initial and continuing calibration verification (ICV 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?			✓		
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?			✓		
Were ion abundance data within the method-required QC limits?			✓		
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?			✓		
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?			✓		
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:					
Were percent recoveries within method QC limits?			✓		
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?			✓		
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?			✓		
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?			✓		

Description	Yes	No	NA(1)	NR(2)	ER(3)
Standards documentation			00061646		
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?			✓		
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?			✓		
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name:	KEMRON
Laboratory Log Number:	L0606695
Project Name:	798-LONGHORN
Method:	PCTSOLIDS
Prep Batch Number(s):	WG216616, WG216760
Reviewer Name:	DEANNA I. HESSON
LRC Date:	July 09, 2006

EXCEPTIONS REPORT

ER# - Description

Footnotes:

- (1) NA = Not applicable to method or project
- (2) NR = Not reviewed
- (3) ER# = Exception report number

This data Package consists of:

This signature page, the laboratory review checklists, 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 5.13 or ISO/IEC 17025 Section 5.10
- 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) for each analyte, 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 amount,
- 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 %R 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) 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 laboratory review checklist.

Release statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exceptions reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, If applicable: ☐ This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

DEANNA I. HESSON



Conventional Lab Supervisor

July 14, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0606695
Project Name: 798-LONGHORN
Method: 314
Prep Batch Number(s): WG216841, WG217333
Reviewer Name: DEANNA I. HESSON
LRC Date: July 14, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?	✓				
Surrogate recovery data					
Were surrogates added prior to extraction?			✓		
Were surrogate percent recoveries in all samples within the laboratory QC limits?			✓		
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?	✓				
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 the required frequency?	✓				
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
Was the LCSD RPD within QC limits?	✓				
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?		✓			

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?	✓		00061650		
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?	✓				
Were analytical duplicates analyzed at the appropriate frequency?	✓				
Were RPDs or relative standard deviations within the laboratory QC limits?	✓				
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 included in the laboratory data package?	✓				
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?	✓				
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				
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?	✓				
Initial and continuing calibration verification (ICV 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?	✓				
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?			✓		
Were ion abundance data within the method-required QC limits?			✓		
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?			✓		
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?	✓				
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:			✓		
Were percent recoveries within method QC limits?			✓		
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?			✓		
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?	✓				
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				

Description	Yes	No	NA(1)	NR(2)	ER(3)
Standards documentation			00061651		
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?	✓				
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name:	KEMRON
Laboratory Log Number:	L0606695
Project Name:	798-LONGHORN
Method:	314
Prep Batch Number(s):	WG216841, WG217333
Reviewer Name:	DEANNA I. HESSON
LRC Date:	July 14, 2006

EXCEPTIONS REPORT

ER# - Description

The MS/MSD recoveries exceeded the advisory limits. Samples L0606695-10 and 12 were diluted to prevent excessive buildup on the column. The reporting limit is elevated accordingly.

Footnotes:

- (1) NA = Not applicable to method or project
- (2) NR = Not reviewed
- (3) ER# = Exception report number

LABORATORY REPORT

L0606695

00061653

07/17/06 08:46

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.
ABB Lummus Building
3010 Briarpark
Houston, TX 77042
Attention: Diane Mever

Account Number: 2773

Work ID: _____

P.O. Number: 161755

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
07SB01 (0-1)	L0606695-01	29-JUN-06	30-JUN-06
07SB01 (3-4)	L0606695-02	29-JUN-06	30-JUN-06
07SB02 (0-1)	L0606695-03	29-JUN-06	30-JUN-06
07SB02 (3-4)	L0606695-04	29-JUN-06	30-JUN-06
07SB05 (0-1)	L0606695-09	29-JUN-06	30-JUN-06
07SB05 (3-4)	L0606695-10	29-JUN-06	30-JUN-06
07SB06 (0-1)	L0606695-11	29-JUN-06	30-JUN-06
07SB06 (3-4)	L0606695-12	29-JUN-06	30-JUN-06
DUP-07SB02 (0-1)	L0606695-13	29-JUN-06	30-JUN-06
07SB01 (0-1)MS	L0606695-14	29-JUN-06	30-JUN-06
07SB01 (0-1)MSD	L0606695-15	29-JUN-06	30-JUN-06
EQUIPMENT RINSE-SLIDE HAMMER	L0606695-16	29-JUN-06	30-JUN-06
EQUIPMENT RINSE-HAND AUGER	L0606695-17	29-JUN-06	30-JUN-06
TB01	L0606695-18	29-JUN-06	30-JUN-06
TB02	L0606695-19	29-JUN-06	30-JUN-06
TB03	L0606695-20	29-JUN-06	30-JUN-06

Report Number: **L0606695**Report Date : **July 17, 2006**

00061654

Sample Number: **L0606695-01**
 Client ID: **07SB01 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216841**
 Collect Date: **06/29/2006 09:25**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **IC1**
 Prep Date: **07/10/2006 18:51**
 Cal Date: _____
 Run Date: **07/10/2006 18:51**
 File ID: **I1071006.15**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0	106		9.98	4.99

Sample Number: **L0606695-01**
 Client ID: **07SB01 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216803**
 Collect Date: **06/29/2006 09:25**
 Sample Tag: **DL01**

PrePrep Method: **NONE**
 Prep Method: **3050B**
 Analytical Method: **6010B**
 Analyst: **SLP**
 Dilution: **2**
 Units: **mg/kg**

Instrument: **IRIS-ICP**
 Prep Date: **07/06/2006 07:30**
 Cal Date: **07/11/2006 08:15**
 Run Date: **07/11/2006 11:46**
 File ID: **IR.071106.114600**
 Percent Solid: **90.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4		U	3.29	0.411

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-01**
 Client ID: **07SB01 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216697**
 Collect Date: **06/29/2006 09:25**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/06/2006 12:26**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/06/2006 12:26**
 File ID: **9M47086**
 Percent Solid: **90.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6	1.20	J	5.83	0.583
1,1,2,2-Tetrachloroethane	79-34-5		U	5.83	0.583
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	11.7	0.583
1,1,2-Trichloroethane	79-00-5		U	5.83	0.583
1,1-Dichloroethane	75-34-3	3.33	J	5.83	1.17
1,1-Dichloroethene	75-35-4		U	5.83	0.583
1,2,4-Trichlorobenzene	120-82-1		U	5.83	0.583
1,2-Dibromo-3-chloropropane	96-12-8		U	5.83	2.33
1,2-Dibromoethane	106-93-4		U	5.83	0.583
1,2-Dichlorobenzene	95-50-1		U	5.83	0.583
1,2-Dichloroethane	107-06-2		U	5.83	0.583
cis-1,2-Dichloroethene	156-59-2		U	5.83	0.583
trans-1,2-Dichloroethene	156-60-5		U	5.83	0.583
1,2-Dichloropropane	78-87-5		U	5.83	0.583
1,3-Dichlorobenzene	541-73-1		U	5.83	0.583
1,4-Dichlorobenzene	106-46-7		U	5.83	0.583
2-Butanone	78-93-3		U	11.7	2.92
2-Hexanone	591-78-6		U	11.7	2.92
4-Methyl-2-pentanone	108-10-1		U	11.7	2.92
Acetone	67-64-1		U	11.7	5.83
Benzene	71-43-2		U	5.83	0.583

Report Number: L0606695

Report Date : July 17, 2006

00061655

Sample Number: L0606695-01
 Client ID: 07SB01 (0-1)
 Matrix: Soil
 Workgroup Number: W6216697
 Collect Date: 06/29/2006 09:25
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/kg

Instrument: HPMS9
 Prep Date: 07/06/2006 12:26
 Cal Date: 06/07/2006 16:04
 Run Date: 07/06/2006 12:26
 File ID: 9M47086
 Percent Solid: 90.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
Bromodichloromethane	75-27-4		U	5.83	0.583
Bromoform	75-25-2		U	5.83	0.583
Bromomethane	74-83-9		U	11.7	1.17
Carbon disulfide	75-15-0		U	5.83	0.583
Carbon tetrachloride	56-23-5		U	5.83	0.583
Chlorobenzene	108-90-7		U	5.83	0.583
Chloroethane	75-00-3		U	11.7	1.17
Chloroform	67-66-3		U	5.83	0.583
Chloromethane	74-87-3		U	11.7	2.33
cis-1,3-Dichloropropene	10061-01-5		U	5.83	0.583
Cyclohexane	110-82-7		U	11.7	0.583
Dibromochloromethane	124-48-1		U	5.83	0.583
Dichlorodifluoromethane	75-71-8		U	11.7	0.292
Ethyl benzene	100-41-4		U	5.83	0.583
Isopropylbenzene	98-82-8		U	5.83	0.583
Methyl acetate	79-20-9		U	11.7	1.17
Methyl tert-butyl ether	1634-04-4		U	5.83	1.17
Methylcyclohexane	108-87-2		U	11.7	1.17
Methylene chloride	75-09-2		U	5.83	1.17
Styrene	100-42-5		U	5.83	0.583
Tetrachloroethene	127-18-4		U	5.83	0.583
Toluene	108-88-3		U	5.83	0.583
trans-1,3-Dichloropropene	10061-02-6		U	5.83	0.583
Trichloroethene	79-01-6		U	5.83	0.583
Trichlorofluoromethane	75-69-4		U	11.7	0.292
Vinyl chloride	75-01-4		U	11.7	1.17
Xylenes, Total	1330-20-7		U	5.83	0.583
Surrogate	% Recovery	Lower	Upper	Qual	
1,2-Dichloroethane-d4	123	80	120	*	
Dibromofluoromethane	119	80	120		
p-Bromofluorobenzene	93.6	74	121		
Toluene-d8	96.3	81	117		

* Surrogate or spike compound out of range

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-01
 Client ID: 07SB01 (0-1)
 Matrix: Soil
 Workgroup Number: W6216941
 Collect Date: 06/29/2006 09:25
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 1
 Units: ug/kg

Instrument: HPMS4
 Prep Date: 07/05/2006 08:30
 Cal Date: 06/25/2006 16:02
 Run Date: 07/07/2006 17:59
 File ID: 4M33585
 Percent Solid: 90.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	183	91.6
2,4,5-Trichlorophenol	95-95-4		U	180	89.8
2,4,6-Trichlorophenol	88-06-2		U	180	89.8
2,4-Dichlorophenol	120-83-2		U	180	89.8

Report Number: L0606695

Report Date : July 17, 2006

00061656

Sample Number: L0606695-01
 Client ID: 07SB01 (0-1)
 Matrix: Soil
 Workgroup Number: W6216941
 Collect Date: 06/29/2006 09:25
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 1
 Units: ug/kg

Instrument: HPMS4
 Prep Date: 07/05/2006 08:30
 Cal Date: 06/25/2006 16:02
 Run Date: 07/07/2006 17:59
 File ID: 4M33585
 Percent Solid: 90.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
2,4-Dimethylphenol	105-67-9		U	180	89.8
2,4-Dinitrophenol	51-28-5		U	898	359
2,4-Dinitrotoluene	121-14-2		U	180	89.8
2,6-Dinitrotoluene	606-20-2		U	180	89.8
2-Chloronaphthalene	91-58-7		U	180	89.8
2-Chlorophenol	95-57-8		U	180	89.8
2-Methylnaphthalene	91-57-6		U	180	89.8
2-Methylphenol	95-48-7		U	180	89.8
2-Nitroaniline	88-74-4		U	898	359
2-Nitrophenol	88-75-5		U	180	89.8
3,3'-Dichlorobenzidine	91-94-1		U	359	180
3-,4-Methylphenol	106-44-5		U	180	89.8
3-Nitroaniline	99-09-2		U	898	359
4,6-Dinitro-2-methylphenol	534-52-1		U	898	359
4-Bromophenyl-phenylether	101-55-3		U	180	89.8
4-Chloro-3-methylphenol	59-50-7		U	180	89.8
4-Chloroaniline	106-47-8		U	180	89.8
4-Chlorophenyl-phenyl ether	7005-72-3		U	180	89.8
4-Nitroaniline	100-01-6		U	898	359
4-Nitrophenol	100-02-7		U	898	359
Acenaphthene	83-32-9		U	180	89.8
Acenaphthylene	208-96-8		U	180	89.8
Acetophenone	98-86-2		U	180	89.8
Anthracene	120-12-7		U	180	89.8
Atrazine	1912-24-9		U	180	89.8
Benzaldehyde	100-52-7		U	180	89.8
Benzo(a)anthracene	56-55-3	142	J	180	89.8
Benzo(a)pyrene	50-32-8		U	180	89.8
Benzo(b)fluoranthene	205-99-2	153	J	180	89.8
Benzo(g,h,i)Perylene	191-24-2		U	180	89.8
Benzo(k)fluoranthene	207-08-9	147	J	180	89.8
Bis(2-Chloroethoxy)Methane	111-91-1		U	180	89.8
Bis(2-Chloroethyl)ether	111-44-4		U	180	89.8
bis(2-Chloroisopropyl)ether	39638-32-9		U	180	89.8
bis(2-Ethylhexyl)phthalate	117-81-7		U	180	89.8
Butylbenzylphthalate	85-68-7		U	180	89.8
Caprolactam	105-60-2		U	180	89.8
Carbazole	86-74-8		U	180	89.8
Chrysene	218-01-9	175	J	180	89.8
Di-N-Butylphthalate	84-74-2		U	180	89.8
Di-n-octylphthalate	117-84-0		U	180	89.8
Dibenzo(a,h)Anthracene	53-70-3		U	180	89.8
Dibenzofuran	132-64-9		U	180	89.8
Diethylphthalate	84-66-2	295		180	89.8
Dimethylphthalate	131-11-3		U	180	89.8
Fluoranthene	206-44-0		U	180	89.8
Fluorene	86-73-7		U	180	89.8
Hexachlorobenzene	118-74-1		U	180	89.8

Report Number: **L0606695**Report Date : **July 17, 2006**

00061657

Sample Number: **L0606695-01**
 Client ID: **07SB01 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **W6216941**
 Collect Date: **06/29/2006 09:25**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT/JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **07/05/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/07/2006 17:59**
 File ID: **4M33585**
 Percent Solid: **90.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Hexachlorobutadiene	87-68-3		U	180	89.8
Hexachlorocyclopentadiene	77-47-4		U	180	89.8
Hexachloroethane	67-72-1		U	180	89.8
Indeno(1,2,3-cd)pyrene	193-39-5		U	180	89.8
Isophorone	78-59-1		U	180	89.8
N-Nitroso-di-n-propylamine	621-64-7		U	180	89.8
N-Nitrosodiphenylamine	86-30-6		U	180	89.8
Naphthalene	91-20-3		U	180	89.8
Nitrobenzene	98-95-3		U	180	89.8
Pentachlorophenol	87-86-5		U	898	359
Phenanthrene	85-01-8		U	180	89.8
Phenol	108-95-2		U	180	89.8
Pyrene	129-00-0	146	J	180	89.8
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	65.1	19	122		
2-Fluorobiphenyl	56.2	30	115		
2-Fluorophenol	45.1	25	121		
Nitrobenzene-d5	55.6	23	120		
P-Terphenyl-d14	88.9	18	137		
Phenol-d5	52.8	24	113		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-01**
 Client ID: **07SB01 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **W6216760**
 Collect Date: **06/29/2006 09:25**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **07/06/2006 15:35**
 Cal Date: **07/06/2006 15:35**
 Run Date: **07/06/2006 15:35**
 File ID: **OV.0607061535-01**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	90.1		1.00	1.00

Report Number: L0606695

Report Date : July 17, 2006

00061658

Sample Number: L0606695-01
 Client ID: 07SB01 (0-1)
 Matrix: Soil
 Workgroup Number: WG216657
 Collect Date: 06/29/2006 09:25
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: METHOD
 Analytical Method: T1005
 Analyst: CAA
 Dilution: 1
 Units: mg/kg

Instrument: HP14
 Prep Date: 07/05/2006 12:00
 Cal Date: 07/08/2006 15:13
 Run Date: 07/08/2006 19:56
 File ID: 1469115
 Percent Solid: 90.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	55.0	27.5
Carbon Range C12-C28		31.2	J	55.0	27.5
Carbon Range C28-C35		64.4		55.0	27.5
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	98.3	31	130		
o-Terphenyl	102	70	130		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-02
 Client ID: 07SB01 (3-4)
 Matrix: Soil
 Workgroup Number: WG216841
 Collect Date: 06/29/2006 09:45
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 314.0
 Analytical Method: 314.0
 Analyst: JWR
 Dilution: 1
 Units: ug/kg

Instrument: IC1
 Prep Date: 07/10/2006 20:13
 Cal Date:
 Run Date: 07/10/2006 20:13
 File ID: I1071006.19

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0	5.22	J	9.99	5.00

J The analyte was positively identified, but the quantitation was below the RL

Sample Number: L0606695-02
 Client ID: 07SB01 (3-4)
 Matrix: Soil
 Workgroup Number: WG216803
 Collect Date: 06/29/2006 09:45
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3050B
 Analytical Method: 6010B
 Analyst: SLP
 Dilution: 1
 Units: mg/kg

Instrument: IRIS-ICP
 Prep Date: 07/06/2006 07:30
 Cal Date: 07/11/2006 08:15
 Run Date: 07/11/2006 09:53
 File ID: IR.071106.095300
 Percent Solid: 87.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4		U	1.70	0.213

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-02
 Client ID: 07SB01 (3-4)
 Matrix: Soil
 Workgroup Number: WG216608
 Collect Date: 06/29/2006 09:45
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/kg

Instrument: HPMS9
 Prep Date: 07/05/2006 20:50
 Cal Date: 06/07/2006 16:04
 Run Date: 07/05/2006 20:50
 File ID: 9M47069
 Percent Solid: 87.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6	471	I	9.41	0.941
1,1,2,2-Tetrachloroethane	79-34-5		U	9.41	0.941
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	18.8	0.941
1,1,2-Trichloroethane	79-00-5		U	9.41	0.941

Report Number: **L0606695**Report Date : **July 17, 2006****00061659**

Sample Number: **L0606695-02**
 Client ID: **07SB01 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **W6216608**
 Collect Date: **06/29/2006 09:45**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/05/2006 20:50**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/05/2006 20:50**
 File ID: **9M47069**
 Percent Solid: **87.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1-Dichloroethane	75-34-3	279		9.41	1.88
1,1-Dichloroethene	75-35-4	297		9.41	0.941
1,2,4-Trichlorobenzene	120-82-1		U	9.41	0.941
1,2-Dibromo-3-chloropropane	96-12-8		U	9.41	3.76
1,2-Dibromoethane	106-93-4		U	9.41	0.941
1,2-Dichlorobenzene	95-50-1		U	9.41	0.941
1,2-Dichloroethane	107-06-2	4.37	J	9.41	0.941
cis-1,2-Dichloroethene	156-59-2	83.8		9.41	0.941
trans-1,2-Dichloroethene	156-60-5		U	9.41	0.941
1,2-Dichloropropane	78-87-5		U	9.41	0.941
1,3-Dichlorobenzene	541-73-1		U	9.41	0.941
1,4-Dichlorobenzene	106-46-7		U	9.41	0.941
2-Butanone	78-93-3		U	18.8	4.70
2-Hexanone	591-78-6		U	18.8	4.70
4-Methyl-2-pentanone	108-10-1		U	18.8	4.70
Acetone	67-64-1		U	18.8	9.41
Benzene	71-43-2		U	9.41	0.941
Bromodichloromethane	75-27-4		U	9.41	0.941
Bromoform	75-25-2		U	9.41	0.941
Bromomethane	74-83-9		U	18.8	1.88
Carbon disulfide	75-15-0		U	9.41	0.941
Carbon tetrachloride	56-23-5		U	9.41	0.941
Chlorobenzene	108-90-7		U	9.41	0.941
Chloroethane	75-00-3		U	18.8	1.88
Chloroform	67-66-3		U	9.41	0.941
Chloromethane	74-87-3		U	18.8	3.76
cis-1,3-Dichloropropene	10061-01-5		U	9.41	0.941
Cyclohexane	110-82-7		U	18.8	0.941
Dibromochloromethane	124-48-1		U	9.41	0.941
Dichlorodifluoromethane	75-71-8		U	18.8	0.470
Ethyl benzene	100-41-4		U	9.41	0.941
Isopropylbenzene	98-82-8		U	9.41	0.941
Methyl acetate	79-20-9		U	18.8	1.88
Methyl tert-butyl ether	1634-04-4		U	9.41	1.88
Methylcyclohexane	108-87-2		U	18.8	1.88
Methylene chloride	75-09-2		U	9.41	1.88
Styrene	100-42-5		U	9.41	0.941
Tetrachloroethene	127-18-4	29.4		9.41	0.941
Toluene	108-88-3		U	9.41	0.941
trans-1,3-Dichloropropene	10061-02-6		U	9.41	0.941
Trichloroethene	79-01-6	82.3		9.41	0.941
Trichlorofluoromethane	75-69-4		U	18.8	0.470
Vinyl chloride	75-01-4		U	18.8	1.88
Xylenes, Total	1330-20-7		U	9.41	0.941

Report Number: L0606695

Report Date : July 17, 2006

00061660

Sample Number: L0606695-02
 Client ID: 07SB01 (3-4)
 Matrix: Soil
 Workgroup Number: WG216608
 Collect Date: 06/29/2006 09:45
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/kg

Instrument: HPMS9
 Prep Date: 07/05/2006 20:50
 Cal Date: 06/07/2006 16:04
 Run Date: 07/05/2006 20:50
 File ID: 9M47069
 Percent Solid: 87.1

Surrogate	% Recovery	Lower	Upper	Qual
1,2-Dichloroethane-d4	111	80	120	
Dibromofluoromethane	107	80	120	
p-Bromofluorobenzene	86.8	74	121	
Toluene-d8	82.9	81	117	

I Semiquantitative result (out of instrument calibration range)

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-02
 Client ID: 07SB01 (3-4)
 Matrix: Soil
 Workgroup Number: WG216941
 Collect Date: 06/29/2006 09:45
 Sample Tag: DL01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 2
 Units: ug/kg

Instrument: HPMS4
 Prep Date: 07/05/2006 08:30
 Cal Date: 06/25/2006 16:02
 Run Date: 07/07/2006 19:42
 File ID: 4M33588
 Percent Solid: 87.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	379	189
2,4,5-Trichlorophenol	95-95-4		U	370	185
2,4,6-Trichlorophenol	88-06-2		U	370	185
2,4-Dichlorophenol	120-83-2		U	370	185
2,4-Dimethylphenol	105-67-9		U	370	185
2,4-Dinitrophenol	51-28-5		U	1850	741
2,4-Dinitrotoluene	121-14-2		U	370	185
2,6-Dinitrotoluene	606-20-2		U	370	185
2-Chloronaphthalene	91-58-7		U	370	185
2-Chlorophenol	95-57-8		U	370	185
2-Methylnaphthalene	91-57-6		U	370	185
2-Methylphenol	95-48-7		U	370	185
2-Nitroaniline	88-74-4		U	1850	741
2-Nitrophenol	88-75-5		U	370	185
3,3'-Dichlorobenzidine	91-94-1		U	741	370
3-,4-Methylphenol	106-44-5		U	370	185
3-Nitroaniline	99-09-2		U	1850	741
4,6-Dinitro-2-methylphenol	534-52-1		U	1850	741
4-Bromophenyl-phenylether	101-55-3		U	370	185
4-Chloro-3-methylphenol	59-50-7		U	370	185
4-Chloroaniline	106-47-8		U	370	185
4-Chlorophenyl-phenyl ether	7005-72-3		U	370	185
4-Nitroaniline	100-01-6		U	1850	741
4-Nitrophenol	100-02-7		U	1850	741
Acenaphthene	83-32-9		U	370	185
Acenaphthylene	208-96-8		U	370	185
Acetophenone	98-86-2		U	370	185
Anthracene	120-12-7		U	370	185
Atrazine	1912-24-9		U	370	185
Benzaldehyde	100-52-7		U	370	185
Benzo(a)anthracene	56-55-3		U	370	185
Benzo(a)pyrene	50-32-8		U	370	185

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Report Number: L0606695

Report Date : July 17, 2006

00061661

Sample Number: L0606695-02
 Client ID: 07SB01 (3-4)
 Matrix: Soil
 Workgroup Number: W6216941
 Collect Date: 06/29/2006 09:45
 Sample Tag: DL01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 2
 Units: ug/kg

Instrument: HPMS4
 Prep Date: 07/05/2006 08:30
 Cal Date: 06/25/2006 16:02
 Run Date: 07/07/2006 19:42
 File ID: 4M33588
 Percent Solid: 87.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
Benzo(b)fluoranthene	205-99-2		U	370	185
Benzo(g,h,i)Perylene	191-24-2		U	370	185
Benzo(k)fluoranthene	207-08-9		U	370	185
Bis(2-Chloroethoxy)Methane	111-91-1		U	370	185
Bis(2-Chloroethyl)ether	111-44-4		U	370	185
bis(2-Chloroisopropyl)ether	39638-32-9		U	370	185
bis(2-Ethylhexyl)phthalate	117-81-7		U	370	185
Butylbenzylphthalate	85-68-7		U	370	185
Caprolactam	105-60-2		U	370	185
Carbazole	86-74-8		U	370	185
Chrysene	218-01-9		U	370	185
Di-N-Butylphthalate	84-74-2		U	370	185
Di-n-octylphthalate	117-84-0		U	370	185
Dibenzo(a,h)Anthracene	53-70-3		U	370	185
Dibenzofuran	132-64-9		U	370	185
Diethylphthalate	84-66-2		U	370	185
Dimethylphthalate	131-11-3		U	370	185
Fluoranthene	206-44-0		U	370	185
Fluorene	86-73-7		U	370	185
Hexachlorobenzene	118-74-1		U	370	185
Hexachlorobutadiene	87-68-3		U	370	185
Hexachlorocyclopentadiene	77-47-4		U	370	185
Hexachloroethane	67-72-1		U	370	185
Indeno(1,2,3-cd)pyrene	193-39-5		U	370	185
Isophorone	78-59-1		U	370	185
N-Nitroso-di-n-propylamine	621-64-7		U	370	185
N-Nitrosodiphenylamine	86-30-6		U	370	185
Naphthalene	91-20-3		U	370	185
Nitrobenzene	98-95-3		U	370	185
Pentachlorophenol	87-86-5		U	1850	741
Phenanthrene	85-01-8		U	370	185
Phenol	108-95-2		U	370	185
Pyrene	129-00-0		U	370	185
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	63.5	19	122		
2-Fluorobiphenyl	72.5	30	115		
2-Fluorophenol	53.1	25	121		
Nitrobenzene-d5	69.2	23	120		
P-Terphenyl-d14	88.4	18	137		
Phenol-d5	69.6	24	113		

U Not detected at or above adjusted sample detection limit

Report Number: **L0606695**Report Date : **July 17, 2006**

00061662

Sample Number: **L0606695-02**
 Client ID: **07SB01 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216760**
 Collect Date: **06/29/2006 09:45**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **07/06/2006 15:35**
 Cal Date:
 Run Date: **07/06/2006 15:35**
 File ID: **OV.0607061535-02**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	87.1		1.00	1.00

Sample Number: **L0606695-02**
 Client ID: **07SB01 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216657**
 Collect Date: **06/29/2006 09:45**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **CAA**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **07/05/2006 12:00**
 Cal Date: **07/08/2006 15:13**
 Run Date: **07/08/2006 21:57**
 File ID: **1469118**
 Percent Solid: **87.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	56.8	28.4
Carbon Range C12-C28		34.6	J	56.8	28.4
Carbon Range C28-C35		57.1		56.8	28.4
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	104	31	130		
o-Terphenyl	108	70	130		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-03**
 Client ID: **07SB02 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216841**
 Collect Date: **06/29/2006 10:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **IC1**
 Prep Date: **07/10/2006 20:33**
 Cal Date:
 Run Date: **07/10/2006 20:33**
 File ID: **I1071006.20**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0	143		9.98	4.99

Sample Number: **L0606695-03**
 Client ID: **07SB02 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216803**
 Collect Date: **06/29/2006 10:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3050B**
 Analytical Method: **6010B**
 Analyst: **SLP**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **IRIS-ICP**
 Prep Date: **07/06/2006 07:30**
 Cal Date: **07/11/2006 08:15**
 Run Date: **07/11/2006 10:29**
 File ID: **IR.071106.102900**
 Percent Solid: **89.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4		U	1.66	0.208

U Not detected at or above adjusted sample detection limit

Report Number: L0606695

Report Date : July 17, 2006

00061663

Sample Number: L0606695-03
 Client ID: 07SB02 (0-1)
 Matrix: Soil
 Workgroup Number: W6216697
 Collect Date: 06/29/2006 10:20
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/kg

Instrument: HPMS9
 Prep Date: 07/06/2006 11:24
 Cal Date: 06/07/2006 16:04
 Run Date: 07/06/2006 11:24
 File ID: 9M47084
 Percent Solid: 89.0

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6	19.7		6.47	0.647
1,1,2,2-Tetrachloroethane	79-34-5		U	6.47	0.647
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	12.9	0.647
1,1,2-Trichloroethane	79-00-5		U	6.47	0.647
1,1-Dichloroethane	75-34-3	8.60		6.47	1.29
1,1-Dichloroethene	75-35-4	1.94	J	6.47	0.647
1,2,4-Trichlorobenzene	120-82-1		U	6.47	0.647
1,2-Dibromo-3-chloropropane	96-12-8		U	6.47	2.59
1,2-Dibromoethane	106-93-4		U	6.47	0.647
1,2-Dichlorobenzene	95-50-1		U	6.47	0.647
1,2-Dichloroethane	107-06-2		U	6.47	0.647
cis-1,2-Dichloroethene	156-59-2	5.06	J	6.47	0.647
trans-1,2-Dichloroethene	156-60-5		U	6.47	0.647
1,2-Dichloropropane	78-87-5		U	6.47	0.647
1,3-Dichlorobenzene	541-73-1		U	6.47	0.647
1,4-Dichlorobenzene	106-46-7		U	6.47	0.647
2-Butanone	78-93-3		U	12.9	3.24
2-Hexanone	591-78-6		U	12.9	3.24
4-Methyl-2-pentanone	108-10-1		U	12.9	3.24
Acetone	67-64-1		U	12.9	6.47
Benzene	71-43-2		U	6.47	0.647
Bromodichloromethane	75-27-4		U	6.47	0.647
Bromoform	75-25-2		U	6.47	0.647
Bromomethane	74-83-9		U	12.9	1.29
Carbon disulfide	75-15-0		U	6.47	0.647
Carbon tetrachloride	56-23-5		U	6.47	0.647
Chlorobenzene	108-90-7		U	6.47	0.647
Chloroethane	75-00-3		U	12.9	1.29
Chloroform	67-66-3		U	6.47	0.647
Chloromethane	74-87-3		U	12.9	2.59
cis-1,3-Dichloropropene	10061-01-5		U	6.47	0.647
Cyclohexane	110-82-7		U	12.9	0.647
Dibromochloromethane	124-48-1		U	6.47	0.647
Dichlorodifluoromethane	75-71-8		U	12.9	0.324
Ethyl benzene	100-41-4		U	6.47	0.647
Isopropylbenzene	98-82-8		U	6.47	0.647
Methyl acetate	79-20-9		U	12.9	1.29
Methyl tert-butyl ether	1634-04-4		U	6.47	1.29
Methylcyclohexane	108-87-2		U	12.9	1.29
Methylene chloride	75-09-2		U	6.47	1.29
Styrene	100-42-5		U	6.47	0.647
Tetrachloroethene	127-18-4		U	6.47	0.647
Toluene	108-88-3		U	6.47	0.647
trans-1,3-Dichloropropene	10061-02-6		U	6.47	0.647
Trichloroethene	79-01-6	10.8		6.47	0.647
Trichlorofluoromethane	75-69-4		U	12.9	0.324
Vinyl chloride	75-01-4		U	12.9	1.29
Xylenes, Total	1330-20-7		U	6.47	0.647

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Report Number: **L0606695**Report Date : **July 17, 2006**

00061664

Sample Number: **L0606695-03**
 Client ID: **07SB02 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216697**
 Collect Date: **06/29/2006 10:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/06/2006 11:24**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/06/2006 11:24**
 File ID: **9M47084**
 Percent Solid: **89.0**

Surrogate	% Recovery	Lower	Upper	Qual
1,2-Dichloroethane-d4	107	80	120	
Dibromofluoromethane	105	80	120	
p-Bromofluorobenzene	86.0	74	121	
Toluene-d8	85.7	81	117	

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-03**
 Client ID: **07SB02 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216941**
 Collect Date: **06/29/2006 10:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT/JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **07/05/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/07/2006 16:16**
 File ID: **4M33582**
 Percent Solid: **89.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	185	92.7
2,4,5-Trichlorophenol	95-95-4		U	180	90.1
2,4,6-Trichlorophenol	88-06-2		U	180	90.1
2,4-Dichlorophenol	120-83-2		U	180	90.1
2,4-Dimethylphenol	105-67-9		U	180	90.1
2,4-Dinitrophenol	51-28-5		U	901	360
2,4-Dinitrotoluene	121-14-2		U	180	90.1
2,6-Dinitrotoluene	606-20-2		U	180	90.1
2-Chloronaphthalene	91-58-7		U	180	90.1
2-Chlorophenol	95-57-8		U	180	90.1
2-Methylnaphthalene	91-57-6		U	180	90.1
2-Methylphenol	95-48-7		U	180	90.1
2-Nitroaniline	88-74-4		U	901	360
2-Nitrophenol	88-75-5		U	180	90.1
3,3'-Dichlorobenzidine	91-94-1		U	360	180
3-,4-Methylphenol	106-44-5		U	180	90.1
3-Nitroaniline	99-09-2		U	901	360
4,6-Dinitro-2-methylphenol	534-52-1		U	901	360
4-Bromophenyl-phenylether	101-55-3		U	180	90.1
4-Chloro-3-methylphenol	59-50-7		U	180	90.1
4-Chloroaniline	106-47-8		U	180	90.1
4-Chlorophenyl-phenyl ether	7005-72-3		U	180	90.1
4-Nitroaniline	100-01-6		U	901	360
4-Nitrophenol	100-02-7		U	901	360
Acenaphthene	83-32-9		U	180	90.1
Acenaphthylene	208-96-8		U	180	90.1
Acetophenone	98-86-2		U	180	90.1
Anthracene	120-12-7		U	180	90.1
Atrazine	1912-24-9		U	180	90.1
Benzaldehyde	100-52-7		U	180	90.1
Benzo(a)anthracene	56-55-3		U	180	90.1
Benzo(a)pyrene	50-32-8		U	180	90.1
Benzo(b)fluoranthene	205-99-2		U	180	90.1

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Report Number: L0606695

Report Date : July 17, 2006

00061665

Sample Number: L0606695-03
 Client ID: 07SB02 (0-1)
 Matrix: Soil
 Workgroup Number: W6216941
 Collect Date: 06/29/2006 10:20
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 1
 Units: ug/kg

Instrument: HPMS4
 Prep Date: 07/05/2006 08:30
 Cal Date: 06/25/2006 16:02
 Run Date: 07/07/2006 16:16
 File ID: 4M33582
 Percent Solid: 89.0

Analyte	CAS. Number	Result	Qual	PQL	SQL
Benzo(g,h,i)Perylene	191-24-2		U	180	90.1
Benzo(k)fluoranthene	207-08-9		U	180	90.1
Bis(2-Chloroethoxy)Methane	111-91-1		U	180	90.1
Bis(2-Chloroethyl)ether	111-44-4		U	180	90.1
bis(2-Chloroisopropyl)ether	39638-32-9		U	180	90.1
bis(2-Ethylhexyl)phthalate	117-81-7		U	180	90.1
Butylbenzylphthalate	85-68-7		U	180	90.1
Caprolactam	105-60-2		U	180	90.1
Carbazole	86-74-8		U	180	90.1
Chrysene	218-01-9		U	180	90.1
Di-N-Butylphthalate	84-74-2		U	180	90.1
Di-n-octylphthalate	117-84-0		U	180	90.1
Dibenzo(a,h)Anthracene	53-70-3		U	180	90.1
Dibenzofuran	132-64-9		U	180	90.1
Diethylphthalate	84-66-2	170	J	180	90.1
Dimethylphthalate	131-11-3		U	180	90.1
Fluoranthene	206-44-0		U	180	90.1
Fluorene	86-73-7		U	180	90.1
Hexachlorobenzene	118-74-1		U	180	90.1
Hexachlorobutadiene	87-68-3		U	180	90.1
Hexachlorocyclopentadiene	77-47-4		U	180	90.1
Hexachloroethane	67-72-1		U	180	90.1
Indeno(1,2,3-cd)pyrene	193-39-5		U	180	90.1
Isophorone	78-59-1		U	180	90.1
N-Nitroso-di-n-propylamine	621-64-7		U	180	90.1
N-Nitrosodiphenylamine	86-30-6		U	180	90.1
Naphthalene	91-20-3		U	180	90.1
Nitrobenzene	98-95-3		U	180	90.1
Pentachlorophenol	87-86-5		U	901	360
Phenanthrene	85-01-8		U	180	90.1
Phenol	108-95-2		U	180	90.1
Pyrene	129-00-0		U	180	90.1
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	38.4	19	122		
2-Fluorobiphenyl	48.8	30	115		
2-Fluorophenol	29.1	25	121		
Nitrobenzene-d5	51.8	23	120		
P-Terphenyl-d14	89.7	18	137		
Phenol-d5	40.3	24	113		

J The analyte was positively identified, but the quantitation was below the RL
 U Not detected at or above adjusted sample detection limit

Report Number: L0606695

Report Date : July 17, 2006

00061666

Sample Number: L0606695-03
 Client ID: 07SB02 (0-1)
 Matrix: Soil
 Workgroup Number: W6216760
 Collect Date: 06/29/2006 10:20

PrePrep Method: NONE
 Prep Method: D2216-90
 Analytical Method: D2216-90
 Analyst: TMM
 Dilution: 1
 Units: weight %

Instrument: OVEN
 Prep Date: 07/06/2006 15:35
 Cal Date:
 Run Date: 07/06/2006 15:35
 File ID: OV.0607061535-03

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	89.0		1.00	1.00

Sample Number: L0606695-03
 Client ID: 07SB02 (0-1)
 Matrix: Soil
 Workgroup Number: W6216657
 Collect Date: 06/29/2006 10:20
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: METHOD
 Analytical Method: T1005
 Analyst: CAA
 Dilution: 1
 Units: mg/kg

Instrument: HP14
 Prep Date: 07/05/2006 12:00
 Cal Date: 07/08/2006 15:13
 Run Date: 07/08/2006 22:37
 File ID: 1469119
 Percent Solid: 89.0

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	56.0	28.0
Carbon Range C12-C28		40.5	J	56.0	28.0
Carbon Range C28-C35		44.8	J	56.0	28.0
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	89.1	31	130		
o-Terphenyl	89.6	70	130		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-04
 Client ID: 07SB02 (3-4)
 Matrix: Soil
 Workgroup Number: W6216841
 Collect Date: 06/29/2006 10:50
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 314.0
 Analytical Method: 314.0
 Analyst: JWR
 Dilution: 1
 Units: ug/kg

Instrument: IC1
 Prep Date: 07/10/2006 20:54
 Cal Date:
 Run Date: 07/10/2006 20:54
 File ID: I1071006.21

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0		U	10.0	5.00

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-04
 Client ID: 07SB02 (3-4)
 Matrix: Soil
 Workgroup Number: W6216803
 Collect Date: 06/29/2006 10:50
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3050B
 Analytical Method: 6010B
 Analyst: SLP
 Dilution: 1
 Units: mg/kg

Instrument: IRIS-ICP
 Prep Date: 07/06/2006 07:30
 Cal Date: 07/11/2006 08:15
 Run Date: 07/11/2006 10:35
 File ID: IR.071106.103500
 Percent Solid: 74.9

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4		U	1.95	0.244

U Not detected at or above adjusted sample detection limit

Report Number: **L0606695**Report Date : **July 17, 2006**

00061667

Sample Number: **L0606695-04**
 Client ID: **07SB02 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **W6216608**
 Collect Date: **06/29/2006 10:50**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/05/2006 21:21**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/05/2006 21:21**
 File ID: **9M47070**
 Percent Solid: **74.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6	1650	I	9.42	0.942
1,1,2,2-Tetrachloroethane	79-34-5		U	9.42	0.942
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	18.8	0.942
1,1,2-Trichloroethane	79-00-5	1.87	J	9.42	0.942
1,1-Dichloroethane	75-34-3	684	I	9.42	1.88
1,1-Dichloroethene	75-35-4	757	I	9.42	0.942
1,2,4-Trichlorobenzene	120-82-1		U	9.42	0.942
1,2-Dibromo-3-chloropropane	96-12-8		U	9.42	3.77
1,2-Dibromoethane	106-93-4		U	9.42	0.942
1,2-Dichlorobenzene	95-50-1		U	9.42	0.942
1,2-Dichloroethane	107-06-2	4.22	J	9.42	0.942
cis-1,2-Dichloroethene	156-59-2	313		9.42	0.942
trans-1,2-Dichloroethene	156-60-5	1.79	J	9.42	0.942
1,2-Dichloropropane	78-87-5		U	9.42	0.942
1,3-Dichlorobenzene	541-73-1		U	9.42	0.942
1,4-Dichlorobenzene	106-46-7		U	9.42	0.942
2-Butanone	78-93-3		U	18.8	4.71
2-Hexanone	591-78-6		U	18.8	4.71
4-Methyl-2-pentanone	108-10-1		U	18.8	4.71
Acetone	67-64-1		U	18.8	9.42
Benzene	71-43-2		U	9.42	0.942
Bromodichloromethane	75-27-4		U	9.42	0.942
Bromoform	75-25-2		U	9.42	0.942
Bromomethane	74-83-9		U	18.8	1.88
Carbon disulfide	75-15-0		U	9.42	0.942
Carbon tetrachloride	56-23-5		U	9.42	0.942
Chlorobenzene	108-90-7		U	9.42	0.942
Chloroethane	75-00-3		U	18.8	1.88
Chloroform	67-66-3		U	9.42	0.942
Chloromethane	74-87-3		U	18.8	3.77
cis-1,3-Dichloropropene	10061-01-5		U	9.42	0.942
Cyclohexane	110-82-7		U	18.8	0.942
Dibromochloromethane	124-48-1		U	9.42	0.942
Dichlorodifluoromethane	75-71-8		U	18.8	0.471
Ethyl benzene	100-41-4		U	9.42	0.942
Isopropylbenzene	98-82-8		U	9.42	0.942
Methyl acetate	79-20-9		U	18.8	1.88
Methyl tert-butyl ether	1634-04-4		U	9.42	1.88
Methylcyclohexane	108-87-2		U	18.8	1.88
Methylene chloride	75-09-2	1.99	J	9.42	1.88
Styrene	100-42-5		U	9.42	0.942
Tetrachloroethene	127-18-4		U	9.42	0.942
Toluene	108-88-3		U	9.42	0.942
trans-1,3-Dichloropropene	10061-02-6		U	9.42	0.942
Trichloroethene	79-01-6	256		9.42	0.942
Trichlorofluoromethane	75-69-4		U	18.8	0.471
Vinyl chloride	75-01-4	10.3	J	18.8	1.88
Xylenes, Total	1330-20-7		U	9.42	0.942

Report Number: **L0606695**Report Date : **July 17, 2006**

00061668

Sample Number: **L0606695-04**
 Client ID: **07SB02 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **W6216608**
 Collect Date: **06/29/2006 10:50**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/05/2006 21:21**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/05/2006 21:21**
 File ID: **9M47070**
 Percent Solid: **74.9**

Surrogate	% Recovery	Lower	Upper	Qual
1,2-Dichloroethane-d4	117	80	120	
Dibromofluoromethane	112	80	120	
p-Bromofluorobenzene	89.2	74	121	
Toluene-d8	85.8	81	117	

I Semiquantitative result (out of instrument calibration range)

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-04**
 Client ID: **07SB02 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **W6216692**
 Collect Date: **06/29/2006 10:50**
 Sample Tag: **DL01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **CMS**
 Dilution: **50**
 Units: **ug/kg**

Instrument: **HPMS8**
 Prep Date: **07/06/2006 11:37**
 Cal Date: **04/22/2006 23:42**
 Run Date: **07/06/2006 11:37**
 File ID: **8M328467**
 Percent Solid: **74.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6	1360	J	2450	245
1,1,2,2-Tetrachloroethane	79-34-5		U	2450	245
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	4910	245
1,1,2-Trichloroethane	79-00-5		U	2450	245
1,1-Dichloroethane	75-34-3	617	J	2450	491
1,1-Dichloroethene	75-35-4	622	J	2450	245
1,2,4-Trichlorobenzene	120-82-1		U	2450	245
1,2-Dibromo-3-chloropropane	96-12-8		U	2450	981
1,2-Dibromoethane	106-93-4		U	2450	245
1,2-Dichlorobenzene	95-50-1		U	2450	245
1,2-Dichloroethane	107-06-2		U	2450	245
cis-1,2-Dichloroethene	156-59-2	296	J	2450	245
trans-1,2-Dichloroethene	156-60-5		U	2450	245
1,2-Dichloropropane	78-87-5		U	2450	245
1,3-Dichlorobenzene	541-73-1		U	2450	245
1,4-Dichlorobenzene	106-46-7		U	2450	245
2-Butanone	78-93-3		U	4910	1230
2-Hexanone	591-78-6		U	4910	1230
4-Methyl-2-pentanone	108-10-1		U	4910	1230
Acetone	67-64-1		U	4910	2450
Benzene	71-43-2		U	2450	245
Bromodichloromethane	75-27-4		U	2450	245
Bromoform	75-25-2		U	2450	245
Bromomethane	74-83-9		U	4910	491
Carbon disulfide	75-15-0		U	2450	245
Carbon tetrachloride	56-23-5		U	2450	245
Chlorobenzene	108-90-7		U	2450	245
Chloroethane	75-00-3		U	4910	491
Chloroform	67-66-3		U	2450	245
Chloromethane	74-87-3		U	4910	981
cis-1,3-Dichloropropene	10061-01-5		U	2450	245
Cyclohexane	110-82-7		U	4910	245

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Report Number: **L0606695**Report Date : **July 17, 2006**

00061669

Sample Number: **L0606695-04**
 Client ID: **07SB02 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **W6216692**
 Collect Date: **06/29/2006 10:50**
 Sample Tag: **DL01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **CMS**
 Dilution: **50**
 Units: **ug/kg**

Instrument: **HPMS8**
 Prep Date: **07/06/2006 11:37**
 Cal Date: **04/22/2006 23:42**
 Run Date: **07/06/2006 11:37**
 File ID: **8M328467**
 Percent Solid: **74.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Dibromochloromethane	124-48-1		U	2450	245
Dichlorodifluoromethane	75-71-8		U	4910	123
Ethyl benzene	100-41-4		U	2450	245
Isopropylbenzene	98-82-8		U	2450	245
Methyl acetate	79-20-9		U	4910	491
Methyl tert-butyl ether	1634-04-4		U	2450	491
Methylcyclohexane	108-87-2		U	4910	491
Methylene chloride	75-09-2		U	2450	491
Styrene	100-42-5		U	2450	245
Tetrachloroethene	127-18-4		U	2450	245
Toluene	108-88-3		U	2450	245
trans-1,3-Dichloropropene	10061-02-6		U	2450	245
Trichloroethene	79-01-6	282	J	2450	245
Trichlorofluoromethane	75-69-4		U	4910	123
Vinyl chloride	75-01-4		U	4910	491
Xylenes, Total	1330-20-7		U	2450	245
Surrogate	% Recovery	Lower	Upper	Qual	
1,2-Dichloroethane-d4	107	80	120		
Dibromofluoromethane	103	80	120		
p-Bromofluorobenzene	98.3	74	121		
Toluene-d8	95.3	81	117		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-04**
 Client ID: **07SB02 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **W6216941**
 Collect Date: **06/29/2006 10:50**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT/JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **07/05/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/07/2006 15:07**
 File ID: **4M33580**
 Percent Solid: **74.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	220	110
2,4,5-Trichlorophenol	95-95-4		U	215	107
2,4,6-Trichlorophenol	88-06-2		U	215	107
2,4-Dichlorophenol	120-83-2		U	215	107
2,4-Dimethylphenol	105-67-9		U	215	107
2,4-Dinitrophenol	51-28-5		U	1070	429
2,4-Dinitrotoluene	121-14-2		U	215	107
2,6-Dinitrotoluene	606-20-2		U	215	107
2-Chloronaphthalene	91-58-7		U	215	107
2-Chlorophenol	95-57-8		U	215	107
2-Methylnaphthalene	91-57-6		U	215	107
2-Methylphenol	95-48-7		U	215	107
2-Nitroaniline	88-74-4		U	1070	429
2-Nitrophenol	88-75-5		U	215	107
3,3'-Dichlorobenzidine	91-94-1		U	429	215
3-,4-Methylphenol	106-44-5		U	215	107

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Report Number: **L0606695**Report Date : **July 17, 2006**

00061670

Sample Number: **L0606695-04**
 Client ID: **07SB02 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **W6216941**
 Collect Date: **06/29/2006 10:50**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT/JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **07/05/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/07/2006 15:07**
 File ID: **4M33580**
 Percent Solid: **74.9**

Analyte	CAS. Number	Result	Qual	PQL	SQL
3-Nitroaniline	99-09-2		U	1070	429
4,6-Dinitro-2-methylphenol	534-52-1		U	1070	429
4-Bromophenyl-phenylether	101-55-3		U	215	107
4-Chloro-3-methylphenol	59-50-7		U	215	107
4-Chloroaniline	106-47-8		U	215	107
4-Chlorophenyl-phenyl ether	7005-72-3		U	215	107
4-Nitroaniline	100-01-6		U	1070	429
4-Nitrophenol	100-02-7		U	1070	429
Acenaphthene	83-32-9		U	215	107
Acenaphthylene	208-96-8		U	215	107
Acetophenone	98-86-2		U	215	107
Anthracene	120-12-7		U	215	107
Atrazine	1912-24-9		U	215	107
Benzaldehyde	100-52-7		U	215	107
Benzo(a)anthracene	56-55-3		U	215	107
Benzo(a)pyrene	50-32-8		U	215	107
Benzo(b)fluoranthene	205-99-2		U	215	107
Benzo(g,h,i)Perylene	191-24-2		U	215	107
Benzo(k)fluoranthene	207-08-9		U	215	107
Bis(2-Chloroethoxy)Methane	111-91-1		U	215	107
Bis(2-Chloroethyl)ether	111-44-4		U	215	107
bis(2-Chloroisopropyl)ether	39638-32-9		U	215	107
bis(2-Ethylhexyl)phthalate	117-81-7	183	J	215	107
Butylbenzylphthalate	85-68-7		U	215	107
Caprolactam	105-60-2		U	215	107
Carbazole	86-74-8		U	215	107
Chrysene	218-01-9		U	215	107
Di-N-Butylphthalate	84-74-2		U	215	107
Di-n-octylphthalate	117-84-0		U	215	107
Dibenzo(a,h)Anthracene	53-70-3		U	215	107
Dibenzofuran	132-64-9		U	215	107
Diethylphthalate	84-66-2	199	J	215	107
Dimethylphthalate	131-11-3		U	215	107
Fluoranthene	206-44-0		U	215	107
Fluorene	86-73-7		U	215	107
Hexachlorobenzene	118-74-1		U	215	107
Hexachlorobutadiene	87-68-3		U	215	107
Hexachlorocyclopentadiene	77-47-4		U	215	107
Hexachloroethane	67-72-1		U	215	107
Indeno(1,2,3-cd)pyrene	193-39-5		U	215	107
Isophorone	78-59-1		U	215	107
N-Nitroso-di-n-propylamine	621-64-7		U	215	107
N-Nitrosodiphenylamine	86-30-6		U	215	107
Naphthalene	91-20-3		U	215	107
Nitrobenzene	98-95-3		U	215	107
Pentachlorophenol	87-86-5		U	1070	429
Phenanthrene	85-01-8		U	215	107
Phenol	108-95-2		U	215	107

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Report Number: L0606695

Report Date : July 17, 2006

00061671

Sample Number: L0606695-04
 Client ID: 07SB02 (3-4)
 Matrix: Soil
 Workgroup Number: W6216941
 Collect Date: 06/29/2006 10:50
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 1
 Units: ug/kg

Instrument: HPMS4
 Prep Date: 07/05/2006 08:30
 Cal Date: 06/25/2006 16:02
 Run Date: 07/07/2006 15:07
 File ID: 4M33580
 Percent Solid: 74.9

Analyte	CAS. Number	Result	Qual	PQL	SQL
Pyrene	129-00-0		U	215	107
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	51.8	19	122		
2-Fluorobiphenyl	38.4	30	115		
2-Fluorophenol	38.2	25	121		
Nitrobenzene-d5	43.1	23	120		
P-Terphenyl-d14	78.1	18	137		
Phenol-d5	41.8	24	113		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-04
 Client ID: 07SB02 (3-4)
 Matrix: Soil
 Workgroup Number: W6216760
 Collect Date: 06/29/2006 10:50

PrePrep Method: NONE
 Prep Method: D2216-90
 Analytical Method: D2216-90
 Analyst: TMM
 Dilution: 1
 Units: weight %

Instrument: OVEN
 Prep Date: 07/06/2006 15:35
 Cal Date:
 Run Date: 07/06/2006 15:35
 File ID: OV.0607061535-04

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	74.9		1.00	1.00

Sample Number: L0606695-04
 Client ID: 07SB02 (3-4)
 Matrix: Soil
 Workgroup Number: W6216657
 Collect Date: 06/29/2006 10:50
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: METHOD
 Analytical Method: T1005
 Analyst: CAA
 Dilution: 1
 Units: mg/kg

Instrument: HP14
 Prep Date: 07/05/2006 12:00
 Cal Date: 07/08/2006 15:13
 Run Date: 07/08/2006 23:18
 File ID: 1469120
 Percent Solid: 74.9

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	66.5	33.3
Carbon Range C12-C28		66.2	J	66.5	33.3
Carbon Range C28-C35		56.1	J	66.5	33.3
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	100	31	130		
o-Terphenyl	104	70	130		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: **L0606695**Report Date : **July 17, 2006**

00061672

Sample Number: L0606695-09	PrePrep Method: NONE	Instrument: IC1
Client ID: 07SB05 (0-1)	Prep Method: 314.0	Prep Date: 07/10/2006 21:14
Matrix: Soil	Analytical Method: 314.0	Cal Date: _____
Workgroup Number: WG216841	Analyst: JWR	Run Date: 07/10/2006 21:14
Collect Date: 06/29/2006 12:00	Dilution: 1	File ID: I1071006.22
Sample Tag: 01	Units: ug/kg	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0	7.14	J	9.98	4.99

J The analyte was positively identified, but the quantitation was below the RL

Sample Number: L0606695-09	PrePrep Method: NONE	Instrument: OVEN
Client ID: 07SB05 (0-1)	Prep Method: D2216-90	Prep Date: 07/05/2006 08:30
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG216616	Analyst: TMM	Run Date: 07/05/2006 08:30
Collect Date: 06/29/2006 12:00	Dilution: 1	File ID: OV.0607050830-17
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	93.6		1.00	1.00

Sample Number: L0606695-10	PrePrep Method: NONE	Instrument: IC1
Client ID: 07SB05 (3-4)	Prep Method: 314.0	Prep Date: 07/10/2006 21:55
Matrix: Soil	Analytical Method: 314.0	Cal Date: _____
Workgroup Number: WG216841	Analyst: JWR	Run Date: 07/10/2006 21:55
Collect Date: 06/29/2006 12:20	Dilution: 4	File ID: I1071006.24
Sample Tag: DL01	Units: ug/kg	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0		U	40.0	20.0

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-10	PrePrep Method: NONE	Instrument: OVEN
Client ID: 07SB05 (3-4)	Prep Method: D2216-90	Prep Date: 07/05/2006 08:30
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG216616	Analyst: TMM	Run Date: 07/05/2006 08:30
Collect Date: 06/29/2006 12:20	Dilution: 1	File ID: OV.0607050830-18
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	85.2		1.00	1.00

Report Number: **L0606695**Report Date : **July 17, 2006**

00061673

Sample Number: **L0606695-11**
 Client ID: **07SB06 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216841**
 Collect Date: **06/29/2006 11:30**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **IC1**
 Prep Date: **07/10/2006 22:16**
 Cal Date: **07/10/2006 22:16**
 Run Date: **07/10/2006 22:16**
 File ID: **I1071006.25**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0		U	10.0	5.00

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-11**
 Client ID: **07SB06 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216803**
 Collect Date: **06/29/2006 11:30**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3050B**
 Analytical Method: **6010B**
 Analyst: **SLP**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **IRIS-ICP**
 Prep Date: **07/06/2006 07:30**
 Cal Date: **07/11/2006 08:15**
 Run Date: **07/11/2006 10:41**
 File ID: **IR.071106.104100**
 Percent Solid: **92.6**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4	56.3		1.52	0.190

Sample Number: **L0606695-11**
 Client ID: **07SB06 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216608**
 Collect Date: **06/29/2006 11:30**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/05/2006 21:52**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/05/2006 21:52**
 File ID: **9M47071**
 Percent Solid: **92.6**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6		U	13.7	1.37
1,1,2,2-Tetrachloroethane	79-34-5		U	13.7	1.37
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	27.4	1.37
1,1,2-Trichloroethane	79-00-5		U	13.7	1.37
1,1-Dichloroethane	75-34-3		U	13.7	2.74
1,1-Dichloroethene	75-35-4		U	13.7	1.37
1,2,4-Trichlorobenzene	120-82-1		U	13.7	1.37
1,2-Dibromo-3-chloropropane	96-12-8		U	13.7	5.48
1,2-Dibromoethane	106-93-4		U	13.7	1.37
1,2-Dichlorobenzene	95-50-1		U	13.7	1.37
1,2-Dichloroethane	107-06-2		U	13.7	1.37
cis-1,2-Dichloroethene	156-59-2		U	13.7	1.37
trans-1,2-Dichloroethene	156-60-5		U	13.7	1.37
1,2-Dichloropropane	78-87-5		U	13.7	1.37
1,3-Dichlorobenzene	541-73-1		U	13.7	1.37
1,4-Dichlorobenzene	106-46-7		U	13.7	1.37
2-Butanone	78-93-3		U	27.4	6.85
2-Hexanone	591-78-6		U	27.4	6.85
4-Methyl-2-pentanone	108-10-1		U	27.4	6.85
Acetone	67-64-1		U	27.4	13.7
Benzene	71-43-2		U	13.7	1.37

Report Number: L0606695

Report Date : July 17, 2006

00061674

Sample Number: L0606695-11
 Client ID: 07SB06 (0-1)
 Matrix: Soil
 Workgroup Number: WG216608
 Collect Date: 06/29/2006 11:30
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/kg

Instrument: HPMS9
 Prep Date: 07/05/2006 21:52
 Cal Date: 06/07/2006 16:04
 Run Date: 07/05/2006 21:52
 File ID: 9M47071
 Percent Solid: 92.6

Analyte	CAS. Number	Result	Qual	PQL	SQL
Bromodichloromethane	75-27-4		U	13.7	1.37
Bromoform	75-25-2		U	13.7	1.37
Bromomethane	74-83-9		U	27.4	2.74
Carbon disulfide	75-15-0		U	13.7	1.37
Carbon tetrachloride	56-23-5		U	13.7	1.37
Chlorobenzene	108-90-7		U	13.7	1.37
Chloroethane	75-00-3		U	27.4	2.74
Chloroform	67-66-3		U	13.7	1.37
Chloromethane	74-87-3		U	27.4	5.48
cis-1,3-Dichloropropene	10061-01-5		U	13.7	1.37
Cyclohexane	110-82-7		U	27.4	1.37
Dibromochloromethane	124-48-1		U	13.7	1.37
Dichlorodifluoromethane	75-71-8		U	27.4	0.685
Ethyl benzene	100-41-4		U	13.7	1.37
Isopropylbenzene	98-82-8		U	13.7	1.37
Methyl acetate	79-20-9		U	27.4	2.74
Methyl tert-butyl ether	1634-04-4		U	13.7	2.74
Methylcyclohexane	108-87-2		U	27.4	2.74
Methylene chloride	75-09-2		U	13.7	2.74
Styrene	100-42-5		U	13.7	1.37
Tetrachloroethene	127-18-4		U	13.7	1.37
Toluene	108-88-3		U	13.7	1.37
trans-1,3-Dichloropropene	10061-02-6		U	13.7	1.37
Trichloroethene	79-01-6		U	13.7	1.37
Trichlorofluoromethane	75-69-4		U	27.4	0.685
Vinyl chloride	75-01-4		U	27.4	2.74
Xylenes, Total	1330-20-7		U	13.7	1.37
Surrogate	% Recovery	Lower	Upper	Qual	
1,2-Dichloroethane-d4	115	80	120		
Dibromofluoromethane	108	80	120		
p-Bromofluorobenzene	92.2	74	121		
Toluene-d8	85.3	81	117		

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-11
 Client ID: 07SB06 (0-1)
 Matrix: Soil
 Workgroup Number: WG216941
 Collect Date: 06/29/2006 11:30
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 1
 Units: ug/kg

Instrument: HPMS4
 Prep Date: 07/05/2006 08:30
 Cal Date: 06/25/2006 16:02
 Run Date: 07/07/2006 17:25
 File ID: 4M33584
 Percent Solid: 92.6

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	178	89.1
2,4,5-Trichlorophenol	95-95-4		U	172	86.0
2,4,6-Trichlorophenol	88-06-2		U	172	86.0
2,4-Dichlorophenol	120-83-2		U	172	86.0
2,4-Dimethylphenol	105-67-9		U	172	86.0
2,4-Dinitrophenol	51-28-5		U	860	344

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Report Number: L0606695

Report Date : July 17, 2006

00061675

Sample Number: L0606695-11
 Client ID: 07SB06 (0-1)
 Matrix: Soil
 Workgroup Number: W6216941
 Collect Date: 06/29/2006 11:30
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 1
 Units: ug/kg

Instrument: HPMS4
 Prep Date: 07/05/2006 08:30
 Cal Date: 06/25/2006 16:02
 Run Date: 07/07/2006 17:25
 File ID: 4M33584
 Percent Solid: 92.6

Analyte	CAS. Number	Result	Qual	PQL	SQL
2,4-Dinitrotoluene	121-14-2		U	172	86.0
2,6-Dinitrotoluene	606-20-2		U	172	86.0
2-Chloronaphthalene	91-58-7		U	172	86.0
2-Chlorophenol	95-57-8		U	172	86.0
2-Methylnaphthalene	91-57-6		U	172	86.0
2-Methylphenol	95-48-7		U	172	86.0
2-Nitroaniline	88-74-4		U	860	344
2-Nitrophenol	88-75-5		U	172	86.0
3,3'-Dichlorobenzidine	91-94-1		U	344	172
3-,4-Methylphenol	106-44-5		U	172	86.0
3-Nitroaniline	99-09-2		U	860	344
4,6-Dinitro-2-methylphenol	534-52-1		U	860	344
4-Bromophenyl-phenylether	101-55-3		U	172	86.0
4-Chloro-3-methylphenol	59-50-7		U	172	86.0
4-Chloroaniline	106-47-8		U	172	86.0
4-Chlorophenyl-phenyl ether	7005-72-3		U	172	86.0
4-Nitroaniline	100-01-6		U	860	344
4-Nitrophenol	100-02-7		U	860	344
Acenaphthene	83-32-9		U	172	86.0
Acenaphthylene	208-96-8		U	172	86.0
Acetophenone	98-86-2		U	172	86.0
Anthracene	120-12-7		U	172	86.0
Atrazine	1912-24-9		U	172	86.0
Benzaldehyde	100-52-7		U	172	86.0
Benzo(a)anthracene	56-55-3		U	172	86.0
Benzo(a)pyrene	50-32-8		U	172	86.0
Benzo(b)fluoranthene	205-99-2		U	172	86.0
Benzo(g,h,i)Perylene	191-24-2		U	172	86.0
Benzo(k)fluoranthene	207-08-9		U	172	86.0
Bis(2-Chloroethoxy)Methane	111-91-1		U	172	86.0
Bis(2-Chloroethyl)ether	111-44-4		U	172	86.0
bis(2-Chloroisopropyl)ether	39638-32-9		U	172	86.0
bis(2-Ethylhexyl)phthalate	117-81-7	181		172	86.0
Butylbenzylphthalate	85-68-7	148	J	172	86.0
Caprolactam	105-60-2		U	172	86.0
Carbazole	86-74-8		U	172	86.0
Chrysene	218-01-9		U	172	86.0
Di-N-Butylphthalate	84-74-2		U	172	86.0
Di-n-octylphthalate	117-84-0		U	172	86.0
Dibenzo(a,h)Anthracene	53-70-3		U	172	86.0
Dibenzofuran	132-64-9		U	172	86.0
Diethylphthalate	84-66-2	356		172	86.0
Dimethylphthalate	131-11-3		U	172	86.0
Fluoranthene	206-44-0		U	172	86.0
Fluorene	86-73-7		U	172	86.0
Hexachlorobenzene	118-74-1		U	172	86.0
Hexachlorobutadiene	87-68-3		U	172	86.0
Hexachlorocyclopentadiene	77-47-4		U	172	86.0

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Report Number: **L0606695**Report Date : **July 17, 2006**

00061676

Sample Number: **L0606695-11**
 Client ID: **07SB06 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **W6216941**
 Collect Date: **06/29/2006 11:30**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT/JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **07/05/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/07/2006 17:25**
 File ID: **4M33584**
 Percent Solid: **92.6**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Hexachloroethane	67-72-1		U	172	86.0
Indeno(1,2,3-cd)pyrene	193-39-5		U	172	86.0
Isophorone	78-59-1		U	172	86.0
N-Nitroso-di-n-propylamine	621-64-7		U	172	86.0
N-Nitrosodiphenylamine	86-30-6		U	172	86.0
Naphthalene	91-20-3		U	172	86.0
Nitrobenzene	98-95-3		U	172	86.0
Pentachlorophenol	87-86-5		U	860	344
Phenanthrene	85-01-8		U	172	86.0
Phenol	108-95-2		U	172	86.0
Pyrene	129-00-0		U	172	86.0
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	84.3	19	122		
2-Fluorobiphenyl	76.3	30	115		
2-Fluorophenol	47.8	25	121		
Nitrobenzene-d5	64.2	23	120		
P-Terphenyl-d14	91.9	18	137		
Phenol-d5	63.0	24	113		

J The analyte was positively identified, but the quantitation was below the RL
 U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-11**
 Client ID: **07SB06 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **W6216760**
 Collect Date: **06/29/2006 11:30**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **07/06/2006 15:35**
 Cal Date:
 Run Date: **07/06/2006 15:35**
 File ID: **OV.0607061535-05**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	92.6		1.00	1.00

Sample Number: **L0606695-11**
 Client ID: **07SB06 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **W6216657**
 Collect Date: **06/29/2006 11:30**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **CAA**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **07/05/2006 12:00**
 Cal Date: **07/08/2006 15:13**
 Run Date: **07/08/2006 23:59**
 File ID: **14G9121**
 Percent Solid: **92.6**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	54.0	27.0
Carbon Range C12-C28		29.1	J	54.0	27.0
Carbon Range C28-C35		50.2	J	54.0	27.0

Report Number: L0606695

Report Date : July 17, 2006

00061677

Sample Number: <u>L0606695-11</u>	PrePrep Method: <u>NONE</u>	Instrument: <u>HP14</u>
Client ID: <u>07SB06 (0-1)</u>	Prep Method: <u>METHOD</u>	Prep Date: <u>07/05/2006 12:00</u>
Matrix: <u>Soil</u>	Analytical Method: <u>T1005</u>	Cal Date: <u>07/08/2006 15:13</u>
Workgroup Number: <u>WG216657</u>	Analyst: <u>CAA</u>	Run Date: <u>07/08/2006 23:59</u>
Collect Date: <u>06/29/2006 11:30</u>	Dilution: <u>1</u>	File ID: <u>1469121</u>
Sample Tag: <u>01</u>	Units: <u>mg/kg</u>	Percent Solid: <u>92.6</u>

Surrogate	% Recovery	Lower	Upper	Qual
Chlorobenzene	107	31	130	
o-Terphenyl	108	70	130	

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: <u>L0606695-12</u>	PrePrep Method: <u>NONE</u>	Instrument: <u>IC1</u>
Client ID: <u>07SB06 (3-4)</u>	Prep Method: <u>314.0</u>	Prep Date: <u>07/10/2006 22:36</u>
Matrix: <u>Soil</u>	Analytical Method: <u>314.0</u>	Cal Date: _____
Workgroup Number: <u>WG216841</u>	Analyst: <u>JWR</u>	Run Date: <u>07/10/2006 22:36</u>
Collect Date: <u>06/29/2006 11:40</u>	Dilution: <u>4</u>	File ID: <u>I1071006.26</u>
Sample Tag: <u>DL01</u>	Units: <u>ug/kg</u>	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0		U	40.0	20.0

U Not detected at or above adjusted sample detection limit

Sample Number: <u>L0606695-12</u>	PrePrep Method: <u>NONE</u>	Instrument: <u>IRIS-ICP</u>
Client ID: <u>07SB06 (3-4)</u>	Prep Method: <u>3050B</u>	Prep Date: <u>07/06/2006 07:30</u>
Matrix: <u>Soil</u>	Analytical Method: <u>6010B</u>	Cal Date: <u>07/11/2006 08:15</u>
Workgroup Number: <u>WG216803</u>	Analyst: <u>SLP</u>	Run Date: <u>07/11/2006 10:47</u>
Collect Date: <u>06/29/2006 11:40</u>	Dilution: <u>1</u>	File ID: <u>IR.071106.104700</u>
Sample Tag: <u>01</u>	Units: <u>mg/kg</u>	Percent Solid: <u>82.2</u>

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4		U	1.75	0.219

U Not detected at or above adjusted sample detection limit

Sample Number: <u>L0606695-12</u>	PrePrep Method: <u>NONE</u>	Instrument: <u>HPMS9</u>
Client ID: <u>07SB06 (3-4)</u>	Prep Method: <u>5030B</u>	Prep Date: <u>07/06/2006 11:55</u>
Matrix: <u>Soil</u>	Analytical Method: <u>8260B</u>	Cal Date: <u>06/07/2006 16:04</u>
Workgroup Number: <u>WG216697</u>	Analyst: <u>MES</u>	Run Date: <u>07/06/2006 11:55</u>
Collect Date: <u>06/29/2006 11:40</u>	Dilution: <u>1</u>	File ID: <u>9M47085</u>
Sample Tag: <u>01</u>	Units: <u>ug/kg</u>	Percent Solid: <u>82.2</u>

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6		U	10.1	1.01
1,1,2,2-Tetrachloroethane	79-34-5		U	10.1	1.01
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	20.1	1.01
1,1,2-Trichloroethane	79-00-5		U	10.1	1.01
1,1-Dichloroethane	75-34-3		U	10.1	2.01
1,1-Dichloroethene	75-35-4		U	10.1	1.01
1,2,4-Trichlorobenzene	120-82-1		U	10.1	1.01
1,2-Dibromo-3-chloropropane	96-12-8		U	10.1	4.03

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Report Date : July 17, 2006

00061678

Sample Number: L0606695-12
 Client ID: 07SB06 (3-4)
 Matrix: Soil
 Workgroup Number: W6216697
 Collect Date: 06/29/2006 11:40
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/kg

Instrument: HPMS9
 Prep Date: 07/06/2006 11:55
 Cal Date: 06/07/2006 16:04
 Run Date: 07/06/2006 11:55
 File ID: 9M47085
 Percent Solid: 82.2

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,2-Dibromoethane	106-93-4		U	10.1	1.01
1,2-Dichlorobenzene	95-50-1		U	10.1	1.01
1,2-Dichloroethane	107-06-2		U	10.1	1.01
cis-1,2-Dichloroethene	156-59-2		U	10.1	1.01
trans-1,2-Dichloroethene	156-60-5		U	10.1	1.01
1,2-Dichloropropane	78-87-5		U	10.1	1.01
1,3-Dichlorobenzene	541-73-1		U	10.1	1.01
1,4-Dichlorobenzene	106-46-7		U	10.1	1.01
2-Butanone	78-93-3		U	20.1	5.03
2-Hexanone	591-78-6		U	20.1	5.03
4-Methyl-2-pentanone	108-10-1		U	20.1	5.03
Acetone	67-64-1		U	20.1	10.1
Benzene	71-43-2		U	10.1	1.01
Bromodichloromethane	75-27-4		U	10.1	1.01
Bromoform	75-25-2		U	10.1	1.01
Bromomethane	74-83-9		U	20.1	2.01
Carbon disulfide	75-15-0		U	10.1	1.01
Carbon tetrachloride	56-23-5		U	10.1	1.01
Chlorobenzene	108-90-7		U	10.1	1.01
Chloroethane	75-00-3		U	20.1	2.01
Chloroform	67-66-3		U	10.1	1.01
Chloromethane	74-87-3		U	20.1	4.03
cis-1,3-Dichloropropene	10061-01-5		U	10.1	1.01
Cyclohexane	110-82-7		U	20.1	1.01
Dibromochloromethane	124-48-1		U	10.1	1.01
Dichlorodifluoromethane	75-71-8		U	20.1	0.503
Ethyl benzene	100-41-4		U	10.1	1.01
Isopropylbenzene	98-82-8		U	10.1	1.01
Methyl acetate	79-20-9		U	20.1	2.01
Methyl tert-butyl ether	1634-04-4		U	10.1	2.01
Methylcyclohexane	108-87-2		U	20.1	2.01
Methylene chloride	75-09-2		U	10.1	2.01
Styrene	100-42-5		U	10.1	1.01
Tetrachloroethene	127-18-4		U	10.1	1.01
Toluene	108-88-3		U	10.1	1.01
trans-1,3-Dichloropropene	10061-02-6		U	10.1	1.01
Trichloroethene	79-01-6		U	10.1	1.01
Trichlorofluoromethane	75-69-4		U	20.1	0.503
Vinyl chloride	75-01-4		U	20.1	2.01
Xylenes, Total	1330-20-7		U	10.1	1.01
Surrogate	% Recovery	Lower	Upper	Qual	
1,2-Dichloroethane-d4	111	80	120		
Dibromofluoromethane	108	80	120		
p-Bromofluorobenzene	85.4	74	121		
Toluene-d8	84.8	81	117		

U Not detected at or above adjusted sample detection limit

Report Number: L0606695

Report Date : July 17, 2006

00061679

Sample Number: L0606695-12
 Client ID: 07SB06 (3-4)
 Matrix: Soil
 Workgroup Number: W6216941
 Collect Date: 06/29/2006 11:40
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 1
 Units: ug/kg

Instrument: HPMS4
 Prep Date: 07/05/2006 08:30
 Cal Date: 06/25/2006 16:02
 Run Date: 07/07/2006 15:41
 File ID: 4M33581
 Percent Solid: 82.2

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	201	100
2,4,5-Trichlorophenol	95-95-4		U	199	99.4
2,4,6-Trichlorophenol	88-06-2		U	199	99.4
2,4-Dichlorophenol	120-83-2		U	199	99.4
2,4-Dimethylphenol	105-67-9		U	199	99.4
2,4-Dinitrophenol	51-28-5		U	994	397
2,4-Dinitrotoluene	121-14-2		U	199	99.4
2,6-Dinitrotoluene	606-20-2		U	199	99.4
2-Chloronaphthalene	91-58-7		U	199	99.4
2-Chlorophenol	95-57-8		U	199	99.4
2-Methylnaphthalene	91-57-6		U	199	99.4
2-Methylphenol	95-48-7		U	199	99.4
2-Nitroaniline	88-74-4		U	994	397
2-Nitrophenol	88-75-5		U	199	99.4
3,3'-Dichlorobenzidine	91-94-1		U	397	199
3-,4-Methylphenol	106-44-5		U	199	99.4
3-Nitroaniline	99-09-2		U	994	397
4,6-Dinitro-2-methylphenol	534-52-1		U	994	397
4-Bromophenyl-phenylether	101-55-3		U	199	99.4
4-Chloro-3-methylphenol	59-50-7		U	199	99.4
4-Chloroaniline	106-47-8		U	199	99.4
4-Chlorophenyl-phenyl ether	7005-72-3		U	199	99.4
4-Nitroaniline	100-01-6		U	994	397
4-Nitrophenol	100-02-7		U	994	397
Acenaphthene	83-32-9		U	199	99.4
Acenaphthylene	208-96-8		U	199	99.4
Acetophenone	98-86-2		U	199	99.4
Anthracene	120-12-7		U	199	99.4
Atrazine	1912-24-9		U	199	99.4
Benzaldehyde	100-52-7		U	199	99.4
Benzo(a)anthracene	56-55-3		U	199	99.4
Benzo(a)pyrene	50-32-8		U	199	99.4
Benzo(b)fluoranthene	205-99-2		U	199	99.4
Benzo(g,h,i)Perylene	191-24-2		U	199	99.4
Benzo(k)fluoranthene	207-08-9		U	199	99.4
Bis(2-Chloroethoxy)Methane	111-91-1		U	199	99.4
Bis(2-Chloroethyl)ether	111-44-4		U	199	99.4
bis(2-Chloroisopropyl)ether	39638-32-9		U	199	99.4
bis(2-Ethylhexyl)phthalate	117-81-7		U	199	99.4
Butylbenzylphthalate	85-68-7		U	199	99.4
Caprolactam	105-60-2		U	199	99.4
Carbazole	86-74-8		U	199	99.4
Chrysene	218-01-9		U	199	99.4
Di-N-Butylphthalate	84-74-2		U	199	99.4
Di-n-octylphthalate	117-84-0		U	199	99.4
Dibenzo(a,h)Anthracene	53-70-3		U	199	99.4
Dibenzofuran	132-64-9		U	199	99.4
Diethylphthalate	84-66-2	222		199	99.4

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Report Number: **L0606695**Report Date : **July 17, 2006**

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Sample Number: **L0606695-12**
 Client ID: **07SB06 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216941**
 Collect Date: **06/29/2006 11:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT/JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **07/05/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/07/2006 15:41**
 File ID: **4M33581**
 Percent Solid: **82.2**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Dimethylphthalate	131-11-3		U	199	99.4
Fluoranthene	206-44-0		U	199	99.4
Fluorene	86-73-7		U	199	99.4
Hexachlorobenzene	118-74-1		U	199	99.4
Hexachlorobutadiene	87-68-3		U	199	99.4
Hexachlorocyclopentadiene	77-47-4		U	199	99.4
Hexachloroethane	67-72-1		U	199	99.4
Indeno(1,2,3-cd)pyrene	193-39-5		U	199	99.4
Isophorone	78-59-1		U	199	99.4
N-Nitroso-di-n-propylamine	621-64-7		U	199	99.4
N-Nitrosodiphenylamine	86-30-6		U	199	99.4
Naphthalene	91-20-3		U	199	99.4
Nitrobenzene	98-95-3		U	199	99.4
Pentachlorophenol	87-86-5		U	994	397
Phenanthrene	85-01-8		U	199	99.4
Phenol	108-95-2		U	199	99.4
Pyrene	129-00-0		U	199	99.4
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	57.8	19	122		
2-Fluorobiphenyl	48.7	30	115		
2-Fluorophenol	46.8	25	121		
Nitrobenzene-d5	51.5	23	120		
P-Terphenyl-d14	96.4	18	137		
Phenol-d5	51.6	24	113		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-12**
 Client ID: **07SB06 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216760**
 Collect Date: **06/29/2006 11:40**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **07/06/2006 15:35**
 Cal Date:
 Run Date: **07/06/2006 15:35**
 File ID: **OV.0607061535-06**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	82.2		1.00	1.00

Report Number: **L0606695**Report Date : **July 17, 2006****00061681**

Sample Number: **L0606695-12**
 Client ID: **07SB06 (3-4)**
 Matrix: **Soil**
 Workgroup Number: **WG216657**
 Collect Date: **06/29/2006 11:40**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **CAA**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **07/05/2006 12:00**
 Cal Date: **07/08/2006 15:13**
 Run Date: **07/09/2006 02:42**
 File ID: **14G9125**
 Percent Solid: **82.2**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	60.7	30.3
Carbon Range C12-C28		42.3	J	60.7	30.3
Carbon Range C28-C35		47.5	J	60.7	30.3
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	98.5	31	130		
o-Terphenyl	106	70	130		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-13**
 Client ID: **DUP-07SB02 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216841**
 Collect Date: **06/29/2006 10:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **IC1**
 Prep Date: **07/10/2006 22:56**
 Cal Date:
 Run Date: **07/10/2006 22:56**
 File ID: **I1071006.27**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0	120		9.95	4.97

Sample Number: **L0606695-13**
 Client ID: **DUP-07SB02 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216803**
 Collect Date: **06/29/2006 10:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3050B**
 Analytical Method: **6010B**
 Analyst: **SLP**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **IRIS-ICP**
 Prep Date: **07/06/2006 07:30**
 Cal Date: **07/11/2006 08:15**
 Run Date: **07/11/2006 10:53**
 File ID: **IR.071106.105300**
 Percent Solid: **89.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4		U	1.66	0.208

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-13**
 Client ID: **DUP-07SB02 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216697**
 Collect Date: **06/29/2006 10:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/06/2006 13:58**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/06/2006 13:58**
 File ID: **9M47089**
 Percent Solid: **89.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6	32.3		5.78	0.578
1,1,2,2-Tetrachloroethane	79-34-5		U	5.78	0.578
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	11.6	0.578
1,1,2-Trichloroethane	79-00-5		U	5.78	0.578

Report Number: **L0606695**Report Date : **July 17, 2006**

00061682

Sample Number: **L0606695-13**
 Client ID: **DUP-07SB02 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **W6216697**
 Collect Date: **06/29/2006 10:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/06/2006 13:58**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/06/2006 13:58**
 File ID: **9M47089**
 Percent Solid: **89.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1-Dichloroethane	75-34-3	13.7		5.78	1.16
1,1-Dichloroethene	75-35-4	4.53	J	5.78	0.578
1,2,4-Trichlorobenzene	120-82-1		U	5.78	0.578
1,2-Dibromo-3-chloropropane	96-12-8		U	5.78	2.31
1,2-Dibromoethane	106-93-4		U	5.78	0.578
1,2-Dichlorobenzene	95-50-1		U	5.78	0.578
1,2-Dichloroethane	107-06-2		U	5.78	0.578
cis-1,2-Dichloroethene	156-59-2	6.91		5.78	0.578
trans-1,2-Dichloroethene	156-60-5		U	5.78	0.578
1,2-Dichloropropane	78-87-5		U	5.78	0.578
1,3-Dichlorobenzene	541-73-1		U	5.78	0.578
1,4-Dichlorobenzene	106-46-7		U	5.78	0.578
2-Butanone	78-93-3		U	11.6	2.89
2-Hexanone	591-78-6		U	11.6	2.89
4-Methyl-2-pentanone	108-10-1		U	11.6	2.89
Acetone	67-64-1		U	11.6	5.78
Benzene	71-43-2		U	5.78	0.578
Bromodichloromethane	75-27-4		U	5.78	0.578
Bromoform	75-25-2		U	5.78	0.578
Bromomethane	74-83-9		U	11.6	1.16
Carbon disulfide	75-15-0		U	5.78	0.578
Carbon tetrachloride	56-23-5		U	5.78	0.578
Chlorobenzene	108-90-7		U	5.78	0.578
Chloroethane	75-00-3		U	11.6	1.16
Chloroform	67-66-3		U	5.78	0.578
Chloromethane	74-87-3		U	11.6	2.31
cis-1,3-Dichloropropene	10061-01-5		U	5.78	0.578
Cyclohexane	110-82-7		U	11.6	0.578
Dibromochloromethane	124-48-1		U	5.78	0.578
Dichlorodifluoromethane	75-71-8		U	11.6	0.289
Ethyl benzene	100-41-4		U	5.78	0.578
Isopropylbenzene	98-82-8		U	5.78	0.578
Methyl acetate	79-20-9		U	11.6	1.16
Methyl tert-butyl ether	1634-04-4		U	5.78	1.16
Methylcyclohexane	108-87-2		U	11.6	1.16
Methylene chloride	75-09-2		U	5.78	1.16
Styrene	100-42-5		U	5.78	0.578
Tetrachloroethene	127-18-4		U	5.78	0.578
Toluene	108-88-3		U	5.78	0.578
trans-1,3-Dichloropropene	10061-02-6		U	5.78	0.578
Trichloroethene	79-01-6	13.1		5.78	0.578
Trichlorofluoromethane	75-69-4		U	11.6	0.289
Vinyl chloride	75-01-4		U	11.6	1.16
Xylenes, Total	1330-20-7		U	5.78	0.578

Report Number: **L0606695**Report Date : **July 17, 2006****00061683**

Sample Number: **L0606695-13**
 Client ID: **DUP-07SB02 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216697**
 Collect Date: **06/29/2006 10:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/06/2006 13:58**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/06/2006 13:58**
 File ID: **9M47089**
 Percent Solid: **89.0**

Surrogate	% Recovery	Lower	Upper	Qual
1,2-Dichloroethane-d4	112	80	120	
Dibromofluoromethane	109	80	120	
p-Bromofluorobenzene	86.7	74	121	
Toluene-d8	85.9	81	117	

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-13**
 Client ID: **DUP-07SB02 (0-1)**
 Matrix: **Soil**
 Workgroup Number: **WG216941**
 Collect Date: **06/29/2006 10:20**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT/JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **07/05/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/07/2006 16:50**
 File ID: **4M33583**
 Percent Solid: **89.0**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	185	92.7
2,4,5-Trichlorophenol	95-95-4		U	179	89.7
2,4,6-Trichlorophenol	88-06-2		U	179	89.7
2,4-Dichlorophenol	120-83-2		U	179	89.7
2,4-Dimethylphenol	105-67-9		U	179	89.7
2,4-Dinitrophenol	51-28-5		U	897	359
2,4-Dinitrotoluene	121-14-2		U	179	89.7
2,6-Dinitrotoluene	606-20-2		U	179	89.7
2-Chloronaphthalene	91-58-7		U	179	89.7
2-Chlorophenol	95-57-8		U	179	89.7
2-Methylnaphthalene	91-57-6		U	179	89.7
2-Methylphenol	95-48-7		U	179	89.7
2-Nitroaniline	88-74-4		U	897	359
2-Nitrophenol	88-75-5		U	179	89.7
3,3'-Dichlorobenzidine	91-94-1		U	359	179
3-,4-Methylphenol	106-44-5		U	179	89.7
3-Nitroaniline	99-09-2		U	897	359
4,6-Dinitro-2-methylphenol	534-52-1		U	897	359
4-Bromophenyl-phenylether	101-55-3		U	179	89.7
4-Chloro-3-methylphenol	59-50-7		U	179	89.7
4-Chloroaniline	106-47-8		U	179	89.7
4-Chlorophenyl-phenyl ether	7005-72-3		U	179	89.7
4-Nitroaniline	100-01-6		U	897	359
4-Nitrophenol	100-02-7		U	897	359
Acenaphthene	83-32-9		U	179	89.7
Acenaphthylene	208-96-8		U	179	89.7
Acetophenone	98-86-2		U	179	89.7
Anthracene	120-12-7		U	179	89.7
Atrazine	1912-24-9		U	179	89.7
Benzaldehyde	100-52-7		U	179	89.7
Benzo(a)anthracene	56-55-3		U	179	89.7
Benzo(a)pyrene	50-32-8		U	179	89.7
Benzo(b)fluoranthene	205-99-2		U	179	89.7

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Report Number: L0606695

Report Date : July 17, 2006

00061684

Sample Number: L0606695-13
 Client ID: DUP-07SB02 (0-1)
 Matrix: Soil
 Workgroup Number: W6216941
 Collect Date: 06/29/2006 10:20
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 1
 Units: ug/kg

Instrument: HPMS4
 Prep Date: 07/05/2006 08:30
 Cal Date: 06/25/2006 16:02
 Run Date: 07/07/2006 16:50
 File ID: 4M33583
 Percent Solid: 89.0

Analyte	CAS. Number	Result	Qual	PQL	SQL
Benzo(g,h,i)Perylene	191-24-2		U	179	89.7
Benzo(k)fluoranthene	207-08-9		U	179	89.7
Bis(2-Chloroethoxy)Methane	111-91-1		U	179	89.7
Bis(2-Chloroethyl)ether	111-44-4		U	179	89.7
bis(2-Chloroisopropyl)ether	39638-32-9		U	179	89.7
bis(2-Ethylhexyl)phthalate	117-81-7		U	179	89.7
Butylbenzylphthalate	85-68-7		U	179	89.7
Caprolactam	105-60-2		U	179	89.7
Carbazole	86-74-8		U	179	89.7
Chrysene	218-01-9		U	179	89.7
Di-N-Butylphthalate	84-74-2		U	179	89.7
Di-n-octylphthalate	117-84-0		U	179	89.7
Dibenzo(a,h)Anthracene	53-70-3		U	179	89.7
Dibenzofuran	132-64-9		U	179	89.7
Diethylphthalate	84-66-2	152	J	179	89.7
Dimethylphthalate	131-11-3		U	179	89.7
Fluoranthene	206-44-0		U	179	89.7
Fluorene	86-73-7		U	179	89.7
Hexachlorobenzene	118-74-1		U	179	89.7
Hexachlorobutadiene	87-68-3		U	179	89.7
Hexachlorocyclopentadiene	77-47-4		U	179	89.7
Hexachloroethane	67-72-1		U	179	89.7
Indeno(1,2,3-cd)pyrene	193-39-5		U	179	89.7
Isophorone	78-59-1		U	179	89.7
N-Nitroso-di-n-propylamine	621-64-7		U	179	89.7
N-Nitrosodiphenylamine	86-30-6		U	179	89.7
Naphthalene	91-20-3		U	179	89.7
Nitrobenzene	98-95-3		U	179	89.7
Pentachlorophenol	87-86-5		U	897	359
Phenanthrene	85-01-8		U	179	89.7
Phenol	108-95-2		U	179	89.7
Pyrene	129-00-0		U	179	89.7
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	26.9	19	122		
2-Fluorobiphenyl	48.3	30	115		
2-Fluorophenol	24.6	25	121		*
Nitrobenzene-d5	51.1	23	120		
P-Terphenyl-d14	90.6	18	137		
Phenol-d5	37.7	24	113		

* Surrogate or spike compound out of range

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0606695

Report Date : July 17, 2006

00061685

Sample Number: L0606695-13
 Client ID: DUP-07SB02 (0-1)
 Matrix: Soil
 Workgroup Number: WG216760
 Collect Date: 06/29/2006 10:20

PrePrep Method: NONE
 Prep Method: D2216-90
 Analytical Method: D2216-90
 Analyst: TMM
 Dilution: 1
 Units: weight %

Instrument: OVEN
 Prep Date: 07/06/2006 15:35
 Cal Date:
 Run Date: 07/06/2006 15:35
 File ID: OV.0607061535-07

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	89.0		1.00	1.00

Sample Number: L0606695-13
 Client ID: DUP-07SB02 (0-1)
 Matrix: Soil
 Workgroup Number: WG216657
 Collect Date: 06/29/2006 10:20
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: METHOD
 Analytical Method: T1005
 Analyst: CAA
 Dilution: 1
 Units: mg/kg

Instrument: HP14
 Prep Date: 07/05/2006 12:00
 Cal Date: 07/08/2006 15:13
 Run Date: 07/09/2006 03:23
 File ID: 1469126
 Percent Solid: 89.0

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	56.0	28.0
Carbon Range C12-C28		30.2	J	56.0	28.0
Carbon Range C28-C35		35.2	J	56.0	28.0
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	107	31	130		
o-Terphenyl	109	70	130		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-14
 Client ID: 07SB01 (0-1)MS
 Matrix: Soil
 Workgroup Number: WG216841
 Collect Date: 06/29/2006 09:25
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 314.0
 Analytical Method: 314.0
 Analyst: JWR
 Dilution: 1
 Units: ug/kg

Instrument: IC1
 Prep Date: 07/10/2006 19:32
 Cal Date:
 Run Date: 07/10/2006 19:32
 File ID: I1071006.17

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0	295		9.99	5.00

Sample Number: L0606695-14
 Client ID: 07SB01 (0-1)MS
 Matrix: Soil
 Workgroup Number: WG216803
 Collect Date: 06/29/2006 09:25
 Sample Tag: DL01

PrePrep Method: NONE
 Prep Method: 3050B
 Analytical Method: 6010B
 Analyst: SLP
 Dilution: 2
 Units: mg/kg

Instrument: IRIS-ICP
 Prep Date: 07/06/2006 07:30
 Cal Date: 07/11/2006 08:15
 Run Date: 07/11/2006 11:52
 File ID: IR.071106.115200
 Percent Solid: 90.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4	7.57		3.29	0.411

Report Number: L0606695

Report Date : July 17, 2006

00061686

Sample Number: L0606695-14
 Client ID: 07SB01 (0-1)MS
 Matrix: Soil
 Workgroup Number: W6216697
 Collect Date: 06/29/2006 09:25
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/kg

Instrument: HPMS9
 Prep Date: 07/06/2006 12:57
 Cal Date: 06/07/2006 16:04
 Run Date: 07/06/2006 12:57
 File ID: 9M47087
 Percent Solid: 90.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6	23.2		4.50	0.450
1,1,2,2-Tetrachloroethane	79-34-5	14.4		4.50	0.450
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	20.5		9.00	0.450
1,1,2-Trichloroethane	79-00-5	16.2		4.50	0.450
1,1-Dichloroethane	75-34-3	22.2		4.50	0.900
1,1-Dichloroethene	75-35-4	18.4		4.50	0.450
1,2,4-Trichlorobenzene	120-82-1	10.7		4.50	0.450
1,2-Dibromo-3-chloropropane	96-12-8	12.2		4.50	1.80
1,2-Dibromoethane	106-93-4	14.7		4.50	0.450
1,2-Dichlorobenzene	95-50-1	13.4		4.50	0.450
1,2-Dichloroethane	107-06-2	21.5		4.50	0.450
cis-1,2-Dichloroethene	156-59-2	19.2		4.50	0.450
trans-1,2-Dichloroethene	156-60-5	18.8		4.50	0.450
1,2-Dichloropropane	78-87-5	19.0		4.50	0.450
1,3-Dichlorobenzene	541-73-1	13.1		4.50	0.450
1,4-Dichlorobenzene	106-46-7	13.2		4.50	0.450
2-Butanone	78-93-3	16.9		9.00	2.25
2-Hexanone	591-78-6	12.6		9.00	2.25
4-Methyl-2-pentanone	108-10-1	16.8		9.00	2.25
Acetone	67-64-1	19.1		9.00	4.50
Benzene	71-43-2	19.0		4.50	0.450
Bromodichloromethane	75-27-4	22.4		4.50	0.450
Bromoform	75-25-2	16.8		4.50	0.450
Bromomethane	74-83-9	21.8		9.00	0.900
Carbon disulfide	75-15-0	19.6		4.50	0.450
Carbon tetrachloride	56-23-5	23.3		4.50	0.450
Chlorobenzene	108-90-7	15.1		4.50	0.450
Chloroethane	75-00-3	19.2		9.00	0.900
Chloroform	67-66-3	21.0		4.50	0.450
Chloromethane	74-87-3	16.6		9.00	1.80
cis-1,3-Dichloropropene	10061-01-5	18.8		4.50	0.450
Cyclohexane	110-82-7	18.6		9.00	0.450
Dibromochloromethane	124-48-1	17.0		4.50	0.450
Dichlorodifluoromethane	75-71-8	12.3		9.00	0.225
Ethyl benzene	100-41-4	15.9		4.50	0.450
Isopropylbenzene	98-82-8	14.2		4.50	0.450
Methyl acetate	79-20-9	17.1		9.00	0.900
Methyl tert-butyl ether	1634-04-4	17.7		4.50	0.900
Methylcyclohexane	108-87-2	19.6		9.00	0.900
Methylene chloride	75-09-2	18.2		4.50	0.900
Styrene	100-42-5	15.6		4.50	0.450
Tetrachloroethene	127-18-4	15.6		4.50	0.450
Toluene	108-88-3	15.5		4.50	0.450
trans-1,3-Dichloropropene	10061-02-6	14.3		4.50	0.450
Trichloroethene	79-01-6	19.2		4.50	0.450
Trichlorofluoromethane	75-69-4	20.6		9.00	0.225
Vinyl chloride	75-01-4	20.3		9.00	0.900
Xylenes, Total	1330-20-7	47.0		4.50	0.450

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Report Number: L0606695

Report Date : July 17, 2006

00061687

Sample Number: **L0606695-14**
 Client ID: **07SB01 (0-1)MS**
 Matrix: **Soil**
 Workgroup Number: **WG216697**
 Collect Date: **06/29/2006 09:25**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/06/2006 12:57**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/06/2006 12:57**
 File ID: **9M47087**
 Percent Solid: **90.1**

Surrogate	% Recovery	Lower	Upper	Qual
1,2-Dichloroethane-d4	114	80	120	
Dibromofluoromethane	109	80	120	
p-Bromofluorobenzene	83.9	74	121	
Toluene-d8	83.1	81	117	

Sample Number: **L0606695-14**
 Client ID: **07SB01 (0-1)MS**
 Matrix: **Soil**
 Workgroup Number: **WG216941**
 Collect Date: **06/29/2006 09:25**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT/JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **07/05/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/07/2006 18:34**
 File ID: **4M33586**
 Percent Solid: **90.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	183	91.6
2,4,5-Trichlorophenol	95-95-4	1680		180	89.8
2,4,6-Trichlorophenol	88-06-2	1330		180	89.8
2,4-Dichlorophenol	120-83-2	1240		180	89.8
2,4-Dimethylphenol	105-67-9	340		180	89.8
2,4-Dinitrophenol	51-28-5	2210		898	359
2,4-Dinitrotoluene	121-14-2	2280		180	89.8
2,6-Dinitrotoluene	606-20-2	1760		180	89.8
2-Chloronaphthalene	91-58-7	1490		180	89.8
2-Chlorophenol	95-57-8	1290		180	89.8
2-Methylnaphthalene	91-57-6	1340		180	89.8
2-Methylphenol	95-48-7	940		180	89.8
2-Nitroaniline	88-74-4	1800		898	359
2-Nitrophenol	88-75-5	1250		180	89.8
3,3'-Dichlorobenzidine	91-94-1		U	359	180
3-,4-Methylphenol	106-44-5	872		180	89.8
3-Nitroaniline	99-09-2	1720		898	359
4,6-Dinitro-2-methylphenol	534-52-1	2050		898	359
4-Bromophenyl-phenylether	101-55-3	1630		180	89.8
4-Chloro-3-methylphenol	59-50-7	1430		180	89.8
4-Chloroaniline	106-47-8	732		180	89.8
4-Chlorophenyl-phenyl ether	7005-72-3	1640		180	89.8
4-Nitroaniline	100-01-6	1920		898	359
4-Nitrophenol	100-02-7	2340		898	359
Acenaphthene	83-32-9	1610		180	89.8
Acenaphthylene	208-96-8	1550		180	89.8
Acetophenone	98-86-2	1540		180	89.8
Anthracene	120-12-7	2270		180	89.8
Atrazine	1912-24-9		U	180	89.8
Benzaldehyde	100-52-7		U	180	89.8
Benzo(a)anthracene	56-55-3	2640		180	89.8
Benzo(a)pyrene	50-32-8	2440		180	89.8
Benzo(b)fluoranthene	205-99-2	2490		180	89.8
Benzo(g,h,i)Perylene	191-24-2	2000		180	89.8
Benzo(k)fluoranthene	207-08-9	2640		180	89.8

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Report Number: **L0606695**Report Date : **July 17, 2006****00061688**

Sample Number: **L0606695-14**
 Client ID: **07SB01 (0-1)MS**
 Matrix: **Soil**
 Workgroup Number: **W6216941**
 Collect Date: **06/29/2006 09:25**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT/JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **07/05/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/07/2006 18:34**
 File ID: **4M33586**
 Percent Solid: **90.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Bis(2-Chloroethoxy)Methane	111-91-1	1400		180	89.8
Bis(2-Chloroethyl)ether	111-44-4	1520		180	89.8
bis(2-Chloroisopropyl)ether	39638-32-9	1540		180	89.8
bis(2-Ethylhexyl)phthalate	117-81-7	2790		180	89.8
Butylbenzylphthalate	85-68-7	2670		180	89.8
Caprolactam	105-60-2		U	180	89.8
Carbazole	86-74-8	2780		180	89.8
Chrysene	218-01-9	2580		180	89.8
Di-N-Butylphthalate	84-74-2	2570		180	89.8
Di-n-octylphthalate	117-84-0	2670		180	89.8
Dibenzo(a,h)Anthracene	53-70-3	2240		180	89.8
Dibenzofuran	132-64-9	1600		180	89.8
Diethylphthalate	84-66-2	2410		180	89.8
Dimethylphthalate	131-11-3	1690		180	89.8
Fluoranthene	206-44-0	2590		180	89.8
Fluorene	86-73-7	1740		180	89.8
Hexachlorobenzene	118-74-1	2040		180	89.8
Hexachlorobutadiene	87-68-3	1420		180	89.8
Hexachlorocyclopentadiene	77-47-4	509		180	89.8
Hexachloroethane	67-72-1	1090		180	89.8
Indeno(1,2,3-cd)pyrene	193-39-5	2100		180	89.8
Isophorone	78-59-1	1530		180	89.8
N-Nitroso-di-n-propylamine	621-64-7	1550		180	89.8
N-Nitrosodiphenylamine	86-30-6	1150		180	89.8
Naphthalene	91-20-3	1360		180	89.8
Nitrobenzene	98-95-3	1370		180	89.8
Pentachlorophenol	87-86-5	2660		898	359
Phenanthrene	85-01-8	2220		180	89.8
Phenol	108-95-2	1350		180	89.8
Pyrene	129-00-0	2600		180	89.8
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	62.4	19	122		
2-Fluorobiphenyl	52.7	30	115		
2-Fluorophenol	43.7	25	121		
Nitrobenzene-d5	50.2	23	120		
P-Terphenyl-d14	89.1	18	137		
Phenol-d5	52.0	24	113		

U Not detected at or above adjusted sample detection limit

Report Number: **L0606695**Report Date : **July 17, 2006****00061689**

Sample Number: **L0606695-14**
 Client ID: **07SB01 (0-1)MS**
 Matrix: **Soil**
 Workgroup Number: **WG216760**
 Collect Date: **06/29/2006 09:25**

PrePrep Method: **NONE**
 Prep Method: **D2216-90**
 Analytical Method: **D2216-90**
 Analyst: **TMM**
 Dilution: **1**
 Units: **weight %**

Instrument: **OVEN**
 Prep Date: **07/06/2006 15:35**
 Cal Date:
 Run Date: **07/06/2006 15:35**
 File ID: **OV.0607061535-08**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	90.1		1.00	1.00

Sample Number: **L0606695-14**
 Client ID: **07SB01 (0-1)MS**
 Matrix: **Soil**
 Workgroup Number: **WG216657**
 Collect Date: **06/29/2006 09:25**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **METHOD**
 Analytical Method: **T1005**
 Analyst: **CAA**
 Dilution: **1**
 Units: **mg/kg**

Instrument: **HP14**
 Prep Date: **07/05/2006 12:00**
 Cal Date: **07/08/2006 15:13**
 Run Date: **07/08/2006 20:36**
 File ID: **1469116**
 Percent Solid: **90.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C35		1090		55.3	27.7
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	104	31	130		
o-Terphenyl	109	70	130		

Sample Number: **L0606695-15**
 Client ID: **07SB01 (0-1)MSD**
 Matrix: **Soil**
 Workgroup Number: **WG216841**
 Collect Date: **06/29/2006 09:25**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **IC1**
 Prep Date: **07/10/2006 19:53**
 Cal Date:
 Run Date: **07/10/2006 19:53**
 File ID: **I1071006.18**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0	331		9.98	4.99

Sample Number: **L0606695-15**
 Client ID: **07SB01 (0-1)MSD**
 Matrix: **Soil**
 Workgroup Number: **WG216803**
 Collect Date: **06/29/2006 09:25**
 Sample Tag: **DL01**

PrePrep Method: **NONE**
 Prep Method: **3050B**
 Analytical Method: **6010B**
 Analyst: **SLP**
 Dilution: **2**
 Units: **mg/kg**

Instrument: **IRIS-ICP**
 Prep Date: **07/06/2006 07:30**
 Cal Date: **07/11/2006 08:15**
 Run Date: **07/11/2006 11:58**
 File ID: **IR.071106.115800**
 Percent Solid: **90.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4	7.46		3.29	0.411

Report Number: L0606695

Report Date : July 17, 2006

00061690

Sample Number: L0606695-15
 Client ID: 07SB01 (0-1)MSD
 Matrix: Soil
 Workgroup Number: W6216697
 Collect Date: 06/29/2006 09:25
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/kg

Instrument: HPMS9
 Prep Date: 07/06/2006 13:28
 Cal Date: 06/07/2006 16:04
 Run Date: 07/06/2006 13:28
 File ID: 9M47088
 Percent Solid: 90.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6	52.4		10.3	1.03
1,1,2,2-Tetrachloroethane	79-34-5	35.4		10.3	1.03
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	45.2		20.6	1.03
1,1,2-Trichloroethane	79-00-5	38.4		10.3	1.03
1,1-Dichloroethane	75-34-3	46.7		10.3	2.06
1,1-Dichloroethene	75-35-4	43.6		10.3	1.03
1,2,4-Trichlorobenzene	120-82-1	24.2		10.3	1.03
1,2-Dibromo-3-chloropropane	96-12-8	33.5		10.3	4.11
1,2-Dibromoethane	106-93-4	37.2		10.3	1.03
1,2-Dichlorobenzene	95-50-1	30.3		10.3	1.03
1,2-Dichloroethane	107-06-2	51.7		10.3	1.03
cis-1,2-Dichloroethene	156-59-2	45.4		10.3	1.03
trans-1,2-Dichloroethene	156-60-5	45.0		10.3	1.03
1,2-Dichloropropane	78-87-5	45.3		10.3	1.03
1,3-Dichlorobenzene	541-73-1	29.8		10.3	1.03
1,4-Dichlorobenzene	106-46-7	29.6		10.3	1.03
2-Butanone	78-93-3	44.9		20.6	5.14
2-Hexanone	591-78-6	32.5		20.6	5.14
4-Methyl-2-pentanone	108-10-1	43.8		20.6	5.14
Acetone	67-64-1	67.2		20.6	10.3
Benzene	71-43-2	45.2		10.3	1.03
Bromodichloromethane	75-27-4	53.1		10.3	1.03
Bromoform	75-25-2	40.6		10.3	1.03
Bromomethane	74-83-9	51.0		20.6	2.06
Carbon disulfide	75-15-0	45.1		10.3	1.03
Carbon tetrachloride	56-23-5	53.9		10.3	1.03
Chlorobenzene	108-90-7	35.2		10.3	1.03
Chloroethane	75-00-3	45.1		20.6	2.06
Chloroform	67-66-3	49.4		10.3	1.03
Chloromethane	74-87-3	38.8		20.6	4.11
cis-1,3-Dichloropropene	10061-01-5	44.9		10.3	1.03
Cyclohexane	110-82-7	42.5		20.6	1.03
Dibromochloromethane	124-48-1	40.7		10.3	1.03
Dichlorodifluoromethane	75-71-8	28.3		20.6	0.514
Ethyl benzene	100-41-4	37.5		10.3	1.03
Isopropylbenzene	98-82-8	33.3		10.3	1.03
Methyl acetate	79-20-9	45.0		20.6	2.06
Methyl tert-butyl ether	1634-04-4	42.9		10.3	2.06
Methylcyclohexane	108-87-2	43.0		20.6	2.06
Methylene chloride	75-09-2	42.5		10.3	2.06
Styrene	100-42-5	36.0		10.3	1.03
Tetrachloroethene	127-18-4	36.5		10.3	1.03
Toluene	108-88-3	36.3		10.3	1.03
trans-1,3-Dichloropropene	10061-02-6	34.2		10.3	1.03
Trichloroethene	79-01-6	45.0		10.3	1.03
Trichlorofluoromethane	75-69-4	48.4		20.6	0.514
Vinyl chloride	75-01-4	47.1		20.6	2.06
Xylenes, Total	1330-20-7	110		10.3	1.03

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Report Date : July 17, 2006

00061691

Sample Number: **L0606695-15**
 Client ID: **07SB01 (0-1)MSD**
 Matrix: **Soil**
 Workgroup Number: **WG216697**
 Collect Date: **06/29/2006 09:25**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS9**
 Prep Date: **07/06/2006 13:28**
 Cal Date: **06/07/2006 16:04**
 Run Date: **07/06/2006 13:28**
 File ID: **9M47088**
 Percent Solid: **90.1**

Surrogate	% Recovery	Lower	Upper	Qual
1,2-Dichloroethane-d4	114	80	120	
Dibromofluoromethane	106	80	120	
p-Bromofluorobenzene	82.5	74	121	
Toluene-d8	82.6	81	117	

Sample Number: **L0606695-15**
 Client ID: **07SB01 (0-1)MSD**
 Matrix: **Soil**
 Workgroup Number: **WG216941**
 Collect Date: **06/29/2006 09:25**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **3545**
 Analytical Method: **8270C**
 Analyst: **ALT/JWR**
 Dilution: **1**
 Units: **ug/kg**

Instrument: **HPMS4**
 Prep Date: **07/05/2006 08:30**
 Cal Date: **06/25/2006 16:02**
 Run Date: **07/07/2006 19:08**
 File ID: **4M33587**
 Percent Solid: **90.1**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	183	91.6
2,4,5-Trichlorophenol	95-95-4	2120		180	89.8
2,4,6-Trichlorophenol	88-06-2	1580		180	89.8
2,4-Dichlorophenol	120-83-2	1390		180	89.8
2,4-Dimethylphenol	105-67-9	297		180	89.8
2,4-Dinitrophenol	51-28-5	2660		898	359
2,4-Dinitrotoluene	121-14-2	2750		180	89.8
2,6-Dinitrotoluene	606-20-2	2330		180	89.8
2-Chloronaphthalene	91-58-7	1760		180	89.8
2-Chlorophenol	95-57-8	1420		180	89.8
2-Methylnaphthalene	91-57-6	1510		180	89.8
2-Methylphenol	95-48-7	957		180	89.8
2-Nitroaniline	88-74-4	2340		898	359
2-Nitrophenol	88-75-5	1380		180	89.8
3,3'-Dichlorobenzidine	91-94-1		U	359	180
3-,4-Methylphenol	106-44-5	897		180	89.8
3-Nitroaniline	99-09-2	2010		898	359
4,6-Dinitro-2-methylphenol	534-52-1	2350		898	359
4-Bromophenyl-phenylether	101-55-3	2030		180	89.8
4-Chloro-3-methylphenol	59-50-7	1760		180	89.8
4-Chloroaniline	106-47-8	801		180	89.8
4-Chlorophenyl-phenyl ether	7005-72-3	2130		180	89.8
4-Nitroaniline	100-01-6	2090		898	359
4-Nitrophenol	100-02-7	2490		898	359
Acenaphthene	83-32-9	2020		180	89.8
Acenaphthylene	208-96-8	1920		180	89.8
Acetophenone	98-86-2	1730		180	89.8
Anthracene	120-12-7	2590		180	89.8
Atrazine	1912-24-9		U	180	89.8
Benzaldehyde	100-52-7		U	180	89.8
Benzo(a)anthracene	56-55-3	2880		180	89.8
Benzo(a)pyrene	50-32-8	2660		180	89.8
Benzo(b)fluoranthene	205-99-2	2740		180	89.8
Benzo(g,h,i)Perylene	191-24-2	2160		180	89.8
Benzo(k)fluoranthene	207-08-9	2850		180	89.8

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Report Number: L0606695

Report Date : July 17, 2006

00061692

Sample Number: L0606695-15
 Client ID: 07SB01 (0-1)MSD
 Matrix: Soil
 Workgroup Number: W6216941
 Collect Date: 06/29/2006 09:25
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3545
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 1
 Units: ug/kg

Instrument: HPMS4
 Prep Date: 07/05/2006 08:30
 Cal Date: 06/25/2006 16:02
 Run Date: 07/07/2006 19:08
 File ID: 4M33587
 Percent Solid: 90.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
Bis(2-Chloroethoxy)Methane	111-91-1	1580		180	89.8
Bis(2-Chloroethyl)ether	111-44-4	1690		180	89.8
bis(2-Chloroisopropyl)ether	39638-32-9	1720		180	89.8
bis(2-Ethylhexyl)phthalate	117-81-7	2810		180	89.8
Butylbenzylphthalate	85-68-7	2700		180	89.8
Caprolactam	105-60-2		U	180	89.8
Carbazole	86-74-8	3080		180	89.8
Chrysene	218-01-9	2800		180	89.8
Di-N-Butylphthalate	84-74-2	2760		180	89.8
Di-n-octylphthalate	117-84-0	2900		180	89.8
Dibenzo(a,h)Anthracene	53-70-3	2420		180	89.8
Dibenzofuran	132-64-9	2040		180	89.8
Diethylphthalate	84-66-2	2720		180	89.8
Dimethylphthalate	131-11-3	2210		180	89.8
Fluoranthene	206-44-0	2790		180	89.8
Fluorene	86-73-7	2230		180	89.8
Hexachlorobenzene	118-74-1	2470		180	89.8
Hexachlorobutadiene	87-68-3	1550		180	89.8
Hexachlorocyclopentadiene	77-47-4	575		180	89.8
Hexachloroethane	67-72-1	1220		180	89.8
Indeno(1,2,3-cd)pyrene	193-39-5	2270		180	89.8
Isophorone	78-59-1	1730		180	89.8
N-Nitroso-di-n-propylamine	621-64-7	1740		180	89.8
N-Nitrosodiphenylamine	86-30-6	1340		180	89.8
Naphthalene	91-20-3	1510		180	89.8
Nitrobenzene	98-95-3	1510		180	89.8
Pentachlorophenol	87-86-5	2920		898	359
Phenanthrene	85-01-8	2530		180	89.8
Phenol	108-95-2	1490		180	89.8
Pyrene	129-00-0	2840		180	89.8
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	74.4	19	122		
2-Fluorobiphenyl	62.2	30	115		
2-Fluorophenol	48.7	25	121		
Nitrobenzene-d5	55.6	23	120		
P-Terphenyl-d14	97.3	18	137		
Phenol-d5	58.5	24	113		

U Not detected at or above adjusted sample detection limit

Report Number: L0606695

Report Date : July 17, 2006

00061693

Sample Number: L0606695-15
 Client ID: 07SB01 (0-1)MSD
 Matrix: Soil
 Workgroup Number: WG216760
 Collect Date: 06/29/2006 09:25

PrePrep Method: NONE
 Prep Method: D2216-90
 Analytical Method: D2216-90
 Analyst: TMM
 Dilution: 1
 Units: weight %

Instrument: OVEN
 Prep Date: 07/06/2006 15:35
 Cal Date:
 Run Date: 07/06/2006 15:35
 File ID: OV.0607061535-09

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	90.1		1.00	1.00

Sample Number: L0606695-15
 Client ID: 07SB01 (0-1)MSD
 Matrix: Soil
 Workgroup Number: WG216657
 Collect Date: 06/29/2006 09:25
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: METHOD
 Analytical Method: T1005
 Analyst: CAA
 Dilution: 1
 Units: mg/kg

Instrument: HP14
 Prep Date: 07/05/2006 12:00
 Cal Date: 07/08/2006 15:13
 Run Date: 07/08/2006 21:16
 File ID: 1469117
 Percent Solid: 90.1

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C35		999		55.0	27.5
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	104	31	130		
o-Terphenyl	107	70	130		

Sample Number: L0606695-16
 Client ID: EQUIPMENT RINSE-SLIDE HAM
 Matrix: Water
 Workgroup Number: WG216721
 Collect Date: 06/29/2006 13:15
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3005A
 Analytical Method: 6010B
 Analyst: SLP
 Dilution: 1
 Units: mg/L

Instrument: PE-ICP2
 Prep Date: 07/05/2006 09:30
 Cal Date: 07/06/2006 10:57
 Run Date: 07/06/2006 13:46
 File ID: P2.070606.134609

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4		U	0.0100	0.00500

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-16
 Client ID: EQUIPMENT RINSE-SLIDE HAM
 Matrix: Water
 Workgroup Number: WG216612
 Collect Date: 06/29/2006 13:15
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 07/05/2006 13:26
 Cal Date: 06/24/2006 20:13
 Run Date: 07/05/2006 13:26
 File ID: 11M34656

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6		U	5.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	5.00	0.125
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	10.0	0.250
1,1,2-Trichloroethane	79-00-5		U	5.00	0.250
1,1-Dichloroethane	75-34-3		U	5.00	0.125
1,1-Dichloroethene	75-35-4		U	5.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	5.00	0.200
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00

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Report Date : July 17, 2006

00061694

Sample Number: L0606695-16
 Client ID: EQUIPMENT RINSE-SLIDE HAM/Matrix: Water
 Workgroup Number: W6216612
 Collect Date: 06/29/2006 13:15
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 07/05/2006 13:26
 Cal Date: 06/24/2006 20:13
 Run Date: 07/05/2006 13:26
 File ID: 11M34656

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,2-Dibromoethane	106-93-4		U	5.00	0.250
1,2-Dichlorobenzene	95-50-1		U	5.00	0.125
1,2-Dichloroethane	107-06-2		U	5.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	10.0	0.250
trans-1,2-Dichloroethene	156-60-5		U	5.00	0.250
1,2-Dichloropropane	78-87-5		U	5.00	0.200
1,3-Dichlorobenzene	541-73-1		U	5.00	0.250
1,4-Dichlorobenzene	106-46-7		U	5.00	0.125
2-Butanone	78-93-3		U	10.0	2.50
2-Hexanone	591-78-6		U	10.0	2.50
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	5.00	0.125
Bromodichloromethane	75-27-4		U	5.00	0.250
Bromoform	75-25-2		U	5.00	0.500
Bromomethane	74-83-9		U	10.0	0.500
Carbon disulfide	75-15-0		U	5.00	0.500
Carbon tetrachloride	56-23-5		U	5.00	0.250
Chlorobenzene	108-90-7		U	5.00	0.125
Chloroethane	75-00-3		U	10.0	0.500
Chloroform	67-66-3		U	5.00	0.125
Chloromethane	74-87-3		U	10.0	0.250
cis-1,3-Dichloropropene	10061-01-5		U	5.00	0.250
Cyclohexane	110-82-7		U	10.0	0.250
Dibromochloromethane	124-48-1		U	5.00	0.250
Dichlorodifluoromethane	75-71-8		U	10.0	0.250
Ethyl benzene	100-41-4		U	5.00	0.250
Isopropylbenzene	98-82-8		U	5.00	0.250
Methyl acetate	79-20-9		U	10.0	0.250
Methyl tert-butyl ether	1634-04-4		U	5.00	0.500
Methylcyclohexane	108-87-2		U	10.0	0.250
Methylene chloride	75-09-2		U	5.00	0.250
Styrene	100-42-5		U	5.00	0.125
Tetrachloroethene	127-18-4		U	5.00	0.250
Toluene	108-88-3	0.918	J	5.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	5.00	0.500
Trichloroethene	79-01-6		U	5.00	0.250
Trichlorofluoromethane	75-69-4		U	10.0	0.250
Vinyl chloride	75-01-4		U	10.0	0.250
Xylenes, Total	1330-20-7		U	5.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
1,2-Dichloroethane-d4	89.3	80	120		
Dibromofluoromethane	93.7	86	118		
p-Bromofluorobenzene	104	86	115		
Toluene-d8	96.2	88	110		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0606695

Report Date : July 17, 2006

00061695

Sample Number: L0606695-16
 Client ID: EQUIPMENT RINSE-SLIDE HAM!
 Matrix: Water
 Workgroup Number: W6216777
 Collect Date: 06/29/2006 13:15
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3510C
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 1
 Units: ug/L

Instrument: HPMS4
 Prep Date: 07/06/2006 08:15
 Cal Date: 06/25/2006 16:02
 Run Date: 07/06/2006 22:52
 File ID: 4M33563

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1'-Biphenyl	92-52-4		U	20.0	2.50
2,4,5-Trichlorophenol	95-95-4		U	5.26	2.63
2,4,6-Trichlorophenol	88-06-2		U	5.26	2.63
2,4-Dichlorophenol	120-83-2		U	5.26	2.63
2,4-Dimethylphenol	105-67-9		U	5.26	2.63
2,4-Dinitrophenol	51-28-5		U	26.3	13.2
2,4-Dinitrotoluene	121-14-2		U	5.26	2.63
2,6-Dinitrotoluene	606-20-2		U	5.26	2.63
2-Chloronaphthalene	91-58-7		U	5.26	2.63
2-Chlorophenol	95-57-8		U	5.26	2.63
2-Methylnaphthalene	91-57-6		U	5.26	2.63
2-Methylphenol	95-48-7		U	5.26	2.63
2-Nitroaniline	88-74-4		U	26.3	13.2
2-Nitrophenol	88-75-5		U	5.26	2.63
3,3'-Dichlorobenzidine	91-94-1		U	5.26	2.63
3-,4-Methylphenol	106-44-5		U	5.26	2.63
3-Nitroaniline	99-09-2		U	26.3	13.2
4,6-Dinitro-2-methylphenol	534-52-1		U	26.3	13.2
4-Bromophenyl-phenylether	101-55-3		U	5.26	2.63
4-Chloro-3-methylphenol	59-50-7		U	5.26	2.63
4-Chloroaniline	106-47-8		U	5.26	2.63
4-Chlorophenyl-phenyl ether	7005-72-3		U	5.26	2.63
4-Nitroaniline	100-01-6		U	26.3	13.2
4-Nitrophenol	100-02-7		U	26.3	13.2
Acenaphthene	83-32-9		U	5.26	2.63
Acenaphthylene	208-96-8		U	5.26	2.63
Acetophenone	98-86-2		U	5.26	2.63
Anthracene	120-12-7		U	5.26	2.63
Atrazine	1912-24-9		U	21.1	10.5
Benzaldehyde	100-52-7		U	21.1	10.5
Benzo(a)anthracene	56-55-3		U	5.26	2.63
Benzo(a)pyrene	50-32-8		U	5.26	2.63
Benzo(b)fluoranthene	205-99-2		U	5.26	2.63
Benzo(g,h,i)Perylene	191-24-2		U	5.26	2.63
Benzo(k)fluoranthene	207-08-9		U	5.26	2.63
Bis(2-Chloroethoxy)Methane	111-91-1		U	5.26	2.63
Bis(2-Chloroethyl)ether	111-44-4		U	5.26	2.63
bis(2-Chloroisopropyl)ether	39638-32-9		U	5.26	2.63
bis(2-Ethylhexyl)phthalate	117-81-7		U	5.26	2.63
Butylbenzylphthalate	85-68-7		U	5.26	2.63
Caprolactam	105-60-2		U	5.26	2.63
Carbazole	86-74-8		U	21.1	2.63
Chrysene	218-01-9		U	21.1	2.63
Di-N-Butylphthalate	84-74-2		U	5.26	2.63
Di-n-octylphthalate	117-84-0		U	5.26	2.63
Dibenzo(a,h)Anthracene	53-70-3		U	5.26	2.63
Dibenzofuran	132-64-9		U	5.26	2.63
Diethylphthalate	84-66-2		U	5.26	2.63

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Report Number: L0606695

Report Date : July 17, 2006

00061696

Sample Number: L0606695-16
 Client ID: EQUIPMENT RINSE-SLIDE HAM
 Matrix: Water
 Workgroup Number: W6216777
 Collect Date: 06/29/2006 13:15
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 3510C
 Analytical Method: 8270C
 Analyst: ALT/JWR
 Dilution: 1
 Units: ug/L

Instrument: HPMS4
 Prep Date: 07/06/2006 08:15
 Cal Date: 06/25/2006 16:02
 Run Date: 07/06/2006 22:52
 File ID: 4M33563

Analyte	CAS. Number	Result	Qual	PQL	SQL
Dimethylphthalate	131-11-3		U	5.26	2.63
Fluoranthene	206-44-0		U	5.26	2.63
Fluorene	86-73-7		U	5.26	2.63
Hexachlorobenzene	118-74-1		U	5.26	2.63
Hexachlorobutadiene	87-68-3		U	5.26	2.63
Hexachlorocyclopentadiene	77-47-4		U	5.26	2.63
Hexachloroethane	67-72-1		U	5.26	2.63
Indeno(1,2,3-cd)pyrene	193-39-5		U	5.26	2.63
Isophorone	78-59-1		U	5.26	2.63
N-Nitroso-di-n-propylamine	621-64-7		U	5.26	2.63
N-Nitrosodiphenylamine	86-30-6		U	5.26	2.63
Naphthalene	91-20-3		U	5.26	2.63
Nitrobenzene	98-95-3		U	5.26	2.63
Pentachlorophenol	87-86-5		U	5.26	2.63
Phenanthrene	85-01-8		U	5.26	2.63
Phenol	108-95-2		U	5.26	2.63
Pyrene	129-00-0		U	5.26	2.63
Surrogate	% Recovery	Lower	Upper	Qual	
2,4,6-Tribromophenol	48.6	10	123		
2-Fluorobiphenyl	47.4	43	116		
2-Fluorophenol	26.7	21	100		
Nitrobenzene-d5	47.2	35	114		
P-Terphenyl-d14	70.7	33	141		
Phenol-d5	19.0	10	94		

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-16
 Client ID: EQUIPMENT RINSE-SLIDE HAM
 Matrix: Water
 Workgroup Number: W6216758
 Collect Date: 06/29/2006 13:15
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: METHOD
 Analytical Method: T1005
 Analyst: CAA
 Dilution: 1
 Units: mg/L

Instrument: HP14
 Prep Date: 07/06/2006 14:15
 Cal Date: 07/08/2006 15:13
 Run Date: 07/09/2006 06:08
 File ID: 14G9130

Analyte	CAS. Number	Result	Qual	PQL	SQL
Carbon Range C6-C12			U	4.57	2.28
Carbon Range C12-C28			U	4.57	2.28
Carbon Range C28-C35		2.34	J	4.57	2.28
Surrogate	% Recovery	Lower	Upper	Qual	
Chlorobenzene	106	31	130		
o-Terphenyl	116	70	130		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0606695

Report Date : July 17, 2006

00061697

Sample Number: L0606695-17
 Client ID: EQUIPMENT RINSE-HAND AUGER
 Matrix: Water
 Workgroup Number: WG217333
 Collect Date: 06/29/2006 13:15
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 314.0
 Analytical Method: 314.0
 Analyst: JWR
 Dilution: 1
 Units: ug/L

Instrument: IC1
 Prep Date: 07/14/2006 01:55
 Cal Date:
 Run Date: 07/14/2006 01:55
 File ID: I1071406.16

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

Sample Number: L0606695-18
 Client ID: TB01
 Matrix: Water
 Workgroup Number: WG216612
 Collect Date: 06/29/2006 00:01
 Sample Tag: 01

PrePrep Method: NONE
 Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 07/05/2006 13:57
 Cal Date: 06/24/2006 20:13
 Run Date: 07/05/2006 13:57
 File ID: 11M34657

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6		U	5.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	5.00	0.125
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	10.0	0.250
1,1,2-Trichloroethane	79-00-5		U	5.00	0.250
1,1-Dichloroethane	75-34-3		U	5.00	0.125
1,1-Dichloroethene	75-35-4		U	5.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	5.00	0.200
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	5.00	0.250
1,2-Dichlorobenzene	95-50-1		U	5.00	0.125
1,2-Dichloroethane	107-06-2		U	5.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	10.0	0.250
trans-1,2-Dichloroethene	156-60-5		U	5.00	0.250
1,2-Dichloropropane	78-87-5		U	5.00	0.200
1,3-Dichlorobenzene	541-73-1		U	5.00	0.250
1,4-Dichlorobenzene	106-46-7		U	5.00	0.125
2-Butanone	78-93-3		U	10.0	2.50
2-Hexanone	591-78-6		U	10.0	2.50
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	5.00	0.125
Bromodichloromethane	75-27-4		U	5.00	0.250
Bromoform	75-25-2		U	5.00	0.500
Bromomethane	74-83-9		U	10.0	0.500
Carbon disulfide	75-15-0		U	5.00	0.500
Carbon tetrachloride	56-23-5		U	5.00	0.250
Chlorobenzene	108-90-7		U	5.00	0.125
Chloroethane	75-00-3		U	10.0	0.500
Chloroform	67-66-3		U	5.00	0.125
Chloromethane	74-87-3		U	10.0	0.250
cis-1,3-Dichloropropene	10061-01-5		U	5.00	0.250
Cyclohexane	110-82-7		U	10.0	0.250
Dibromochloromethane	124-48-1		U	5.00	0.250
Dichlorodifluoromethane	75-71-8		U	10.0	0.250
Ethyl benzene	100-41-4		U	5.00	0.250

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Report Number: **L0606695**Report Date : **July 17, 2006**

00061698

Sample Number: **L0606695-18**
 Client ID: **TB01**
 Matrix: **Water**
 Workgroup Number: **WG216612**
 Collect Date: **06/29/2006 00:01**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **CMS**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS11**
 Prep Date: **07/05/2006 13:57**
 Cal Date: **06/24/2006 20:13**
 Run Date: **07/05/2006 13:57**
 File ID: **11M34657**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Isopropylbenzene	98-82-8		U	5.00	0.250
Methyl acetate	79-20-9		U	10.0	0.250
Methyl tert-butyl ether	1634-04-4		U	5.00	0.500
Methylcyclohexane	108-87-2		U	10.0	0.250
Methylene chloride	75-09-2	0.319	J	5.00	0.250
Styrene	100-42-5		U	5.00	0.125
Tetrachloroethene	127-18-4		U	5.00	0.250
Toluene	108-88-3		U	5.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	5.00	0.500
Trichloroethene	79-01-6		U	5.00	0.250
Trichlorofluoromethane	75-69-4		U	10.0	0.250
Vinyl chloride	75-01-4		U	10.0	0.250
Xylenes, Total	1330-20-7		U	5.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
1,2-Dichloroethane-d4	90.1	80	120		
Dibromofluoromethane	95.6	86	118		
p-Bromofluorobenzene	105	86	115		
Toluene-d8	97.6	88	110		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0606695-19**
 Client ID: **TB02**
 Matrix: **Water**
 Workgroup Number: **WG216612**
 Collect Date: **06/29/2006 00:01**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **CMS**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS11**
 Prep Date: **07/05/2006 14:28**
 Cal Date: **06/24/2006 20:13**
 Run Date: **07/05/2006 14:28**
 File ID: **11M34658**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6		U	5.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	5.00	0.125
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	10.0	0.250
1,1,2-Trichloroethane	79-00-5		U	5.00	0.250
1,1-Dichloroethane	75-34-3		U	5.00	0.125
1,1-Dichloroethene	75-35-4		U	5.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	5.00	0.200
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	5.00	0.250
1,2-Dichlorobenzene	95-50-1		U	5.00	0.125
1,2-Dichloroethane	107-06-2		U	5.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	10.0	0.250
trans-1,2-Dichloroethene	156-60-5		U	5.00	0.250
1,2-Dichloropropane	78-87-5		U	5.00	0.200
1,3-Dichlorobenzene	541-73-1		U	5.00	0.250
1,4-Dichlorobenzene	106-46-7		U	5.00	0.125
2-Butanone	78-93-3		U	10.0	2.50
2-Hexanone	591-78-6		U	10.0	2.50
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50

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Report Number: **L0606695**Report Date : **July 17, 2006****00061699**

Sample Number: **L0606695-19**
 Client ID: **TB02**
 Matrix: **Water**
 Workgroup Number: **W6216612**
 Collect Date: **06/29/2006 00:01**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **CMS**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS11**
 Prep Date: **07/05/2006 14:28**
 Cal Date: **06/24/2006 20:13**
 Run Date: **07/05/2006 14:28**
 File ID: **11M34658**

Analyte	CAS. Number	Result	Qual	PQL	SQL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	5.00	0.125
Bromodichloromethane	75-27-4		U	5.00	0.250
Bromoform	75-25-2		U	5.00	0.500
Bromomethane	74-83-9		U	10.0	0.500
Carbon disulfide	75-15-0		U	5.00	0.500
Carbon tetrachloride	56-23-5		U	5.00	0.250
Chlorobenzene	108-90-7		U	5.00	0.125
Chloroethane	75-00-3		U	10.0	0.500
Chloroform	67-66-3		U	5.00	0.125
Chloromethane	74-87-3		U	10.0	0.250
cis-1,3-Dichloropropene	10061-01-5		U	5.00	0.250
Cyclohexane	110-82-7		U	10.0	0.250
Dibromochloromethane	124-48-1		U	5.00	0.250
Dichlorodifluoromethane	75-71-8		U	10.0	0.250
Ethyl benzene	100-41-4		U	5.00	0.250
Isopropylbenzene	98-82-8		U	5.00	0.250
Methyl acetate	79-20-9		U	10.0	0.250
Methyl tert-butyl ether	1634-04-4		U	5.00	0.500
Methylcyclohexane	108-87-2		U	10.0	0.250
Methylene chloride	75-09-2	0.356	J	5.00	0.250
Styrene	100-42-5		U	5.00	0.125
Tetrachloroethene	127-18-4		U	5.00	0.250
Toluene	108-88-3		U	5.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	5.00	0.500
Trichloroethene	79-01-6		U	5.00	0.250
Trichlorofluoromethane	75-69-4		U	10.0	0.250
Vinyl chloride	75-01-4		U	10.0	0.250
Xylenes, Total	1330-20-7		U	5.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
1,2-Dichloroethane-d4	91.8	80	120		
Dibromofluoromethane	95.4	86	118		
p-Bromofluorobenzene	106	86	115		
Toluene-d8	97.3	88	110		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: **L0606695**Report Date : **July 17, 2006**

00061700

Sample Number: **L0606695-20**
 Client ID: **TB03**
 Matrix: **Water**
 Workgroup Number: **W6216612**
 Collect Date: **06/29/2006 00:01**
 Sample Tag: **01**

PrePrep Method: **NONE**
 Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **CMS**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS11**
 Prep Date: **07/05/2006 14:58**
 Cal Date: **06/24/2006 20:13**
 Run Date: **07/05/2006 14:58**
 File ID: **11M34659**

Analyte	CAS. Number	Result	Qual	PQL	SQL
1,1,1-Trichloroethane	71-55-6		U	5.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	5.00	0.125
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		U	10.0	0.250
1,1,2-Trichloroethane	79-00-5		U	5.00	0.250
1,1-Dichloroethane	75-34-3		U	5.00	0.125
1,1-Dichloroethene	75-35-4		U	5.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	5.00	0.200
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	5.00	0.250
1,2-Dichlorobenzene	95-50-1		U	5.00	0.125
1,2-Dichloroethane	107-06-2		U	5.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	10.0	0.250
trans-1,2-Dichloroethene	156-60-5		U	5.00	0.250
1,2-Dichloropropane	78-87-5		U	5.00	0.200
1,3-Dichlorobenzene	541-73-1		U	5.00	0.250
1,4-Dichlorobenzene	106-46-7		U	5.00	0.125
2-Butanone	78-93-3		U	10.0	2.50
2-Hexanone	591-78-6		U	10.0	2.50
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	5.00	0.125
Bromodichloromethane	75-27-4		U	5.00	0.250
Bromoform	75-25-2		U	5.00	0.500
Bromomethane	74-83-9		U	10.0	0.500
Carbon disulfide	75-15-0		U	5.00	0.500
Carbon tetrachloride	56-23-5		U	5.00	0.250
Chlorobenzene	108-90-7		U	5.00	0.125
Chloroethane	75-00-3		U	10.0	0.500
Chloroform	67-66-3		U	5.00	0.125
Chloromethane	74-87-3		U	10.0	0.250
cis-1,3-Dichloropropene	10061-01-5		U	5.00	0.250
Cyclohexane	110-82-7		U	10.0	0.250
Dibromochloromethane	124-48-1		U	5.00	0.250
Dichlorodifluoromethane	75-71-8		U	10.0	0.250
Ethyl benzene	100-41-4		U	5.00	0.250
Isopropylbenzene	98-82-8		U	5.00	0.250
Methyl acetate	79-20-9		U	10.0	0.250
Methyl tert-butyl ether	1634-04-4		U	5.00	0.500
Methylcyclohexane	108-87-2		U	10.0	0.250
Methylene chloride	75-09-2	0.358	J	5.00	0.250
Styrene	100-42-5		U	5.00	0.125
Tetrachloroethene	127-18-4		U	5.00	0.250
Toluene	108-88-3		U	5.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	5.00	0.500
Trichloroethene	79-01-6		U	5.00	0.250
Trichlorofluoromethane	75-69-4		U	10.0	0.250
Vinyl chloride	75-01-4		U	10.0	0.250
Xylenes, Total	1330-20-7		U	5.00	0.500

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Report Number: **L0606695**Report Date : **July 17, 2006**

00061701

Sample Number: L0606695-20	PrePrep Method: NONE	Instrument: HPMS11
Client ID: TB03	Prep Method: 5030B	Prep Date: 07/05/2006 14:58
Matrix: Water	Analytical Method: 8260B	Cal Date: 06/24/2006 20:13
Workgroup Number: W6216612	Analyst: CMS	Run Date: 07/05/2006 14:58
Collect Date: 06/29/2006 00:01	Dilution: 1	File ID: 11M34659
Sample Tag: 01	Units: ug/L	

Surrogate	% Recovery	Lower	Upper	Qual
1,2-Dichloroethane-d4	90.1	80	120	
Dibromofluoromethane	94.8	86	118	
p-Bromofluorobenzene	105	86	115	
Toluene-d8	96.7	88	110	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

WORKGROUP SUMMARY BY METHOD

00061703

Analysis:Special Request - SV

Extraction Method:3545

Workgroup:WG216596

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-01	07SB01 (0-1)		07/05/06 08:30			ASE	CPD
L0606695-02	07SB01 (3-4)		07/05/06 08:30			ASE	CPD
L0606695-03	07SB02 (0-1)		07/05/06 08:30			ASE	CPD
L0606695-04	07SB02 (3-4)		07/05/06 08:30			ASE	CPD
L0606695-11	07SB06 (0-1)		07/05/06 08:30			ASE	CPD
L0606695-12	07SB06 (3-4)		07/05/06 08:30			ASE	CPD
L0606695-13	DUP-07SB02 (0-1)		07/05/06 08:30			ASE	CPD
L0606695-14	07SB01 (0-1)MS		07/05/06 08:30			ASE	CPD
L0606695-15	07SB01 (0-1)MSD		07/05/06 08:30			ASE	CPD

Analysis:special list-8260

Analytical Method:8260B

Workgroup:WG216608

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-02	07SB01 (3-4)			07/05/06 20:50	01	HPMS9	MES
L0606695-04	07SB02 (3-4)			07/05/06 21:21	01	HPMS9	MES
L0606695-11	07SB06 (0-1)			07/05/06 21:52	01	HPMS9	MES

Analysis:special list-8260

Extraction Method:5030B

Workgroup:WG216608

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-02	07SB01 (3-4)				216608	HPMS9	MES
L0606695-04	07SB02 (3-4)				216608	HPMS9	MES
L0606695-11	07SB06 (0-1)				216608	HPMS9	MES

Analysis:Special List - 8260

Analytical Method:8260B

Workgroup:WG216612

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-16	EQUIPMENT RINSE-SLIDE HAMMER			07/05/06 13:26	01	HPMS11	CMS
L0606695-18	TB01			07/05/06 13:57	01	HPMS11	CMS
L0606695-19	TB02			07/05/06 14:28	01	HPMS11	CMS
L0606695-20	TB03			07/05/06 14:58	01	HPMS11	CMS

WORKGROUP SUMMARY BY METHOD

00061704

Analysis:Special List - 8260

Extraction Method:5030B

Workgroup:WG216612

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-16	EQUIPMENT RINSE-SLIDE HAMMER				216612	HPMS11	CMS
L0606695-18	TB01				216612	HPMS11	CMS
L0606695-19	TB02				216612	HPMS11	CMS
L0606695-20	TB03				216612	HPMS11	CMS

Analysis:Percent Solids

Analytical Method:D2216-90

Workgroup:WG216616

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-09	07SB05 (0-1)			07/05/06 08:30		OVEN	TMM
L0606695-10	07SB05 (3-4)			07/05/06 08:30		OVEN	TMM

Analysis:

Extraction Method:3005A

Workgroup:WG216652

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-16	EQUIPMENT RINSE-SLIDE HAMMER		07/05/06 09:30			HOT BLOCK	VC
L0606695-16	EQUIPMENT RINSE-SLIDE HAMMER		07/05/06 09:30			HOT BLOCK	VC

Analysis:TPH - Texas Method 1005

Extraction Method:METH0D

Workgroup:WG216656

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-01	07SB01 (0-1)		07/05/06 12:00			HP14	CAA
L0606695-02	07SB01 (3-4)		07/05/06 12:00			HP14	CAA
L0606695-03	07SB02 (0-1)		07/05/06 12:00			HP14	CAA
L0606695-04	07SB02 (3-4)		07/05/06 12:00			HP14	CAA
L0606695-11	07SB06 (0-1)		07/05/06 12:00			HP14	CAA
L0606695-12	07SB06 (3-4)		07/05/06 12:00			HP14	CAA
L0606695-13	DUP-07SB02 (0-1)		07/05/06 12:00			HP14	CAA
L0606695-14	07SB01 (0-1)MS		07/05/06 12:00			HP14	CAA
L0606695-15	07SB01 (0-1)MSD		07/05/06 12:00			HP14	CAA

WORKGROUP SUMMARY BY METHOD

00061705

Analysis:TPH - Texas Method 1005

Analytical Method:T1005

Workgroup:WG216657

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-01	07SB01 (0-1)		07/05/06 12:00	07/08/06 19:56	01	HP14	CAA
L0606695-02	07SB01 (3-4)		07/05/06 12:00	07/08/06 21:57	01	HP14	CAA
L0606695-03	07SB02 (0-1)		07/05/06 12:00	07/08/06 22:37	01	HP14	CAA
L0606695-04	07SB02 (3-4)		07/05/06 12:00	07/08/06 23:18	01	HP14	CAA
L0606695-11	07SB06 (0-1)		07/05/06 12:00	07/08/06 23:59	01	HP14	CAA
L0606695-12	07SB06 (3-4)		07/05/06 12:00	07/09/06 02:42	01	HP14	CAA
L0606695-13	DUP-07SB02 (0-1)		07/05/06 12:00	07/09/06 03:23	01	HP14	CAA
L0606695-14	07SB01 (0-1)MS		07/05/06 12:00	07/08/06 20:36	01	HP14	CAA
L0606695-15	07SB01 (0-1)MSD		07/05/06 12:00	07/08/06 21:16	01	HP14	CAA

Analysis:Special Request - SV

Extraction Method:3510C

Workgroup:WG216687

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-16	EQUIPMENT RINSE-SLIDE HAMMER		07/06/06 08:15			SEP-FUNNEL	CAF

Analysis:special list-8260

Analytical Method:8260B

Workgroup:WG216692

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-04	07SB02 (3-4)			07/06/06 11:37	DL01	HPMS8	CMS

Analysis:special list-8260

Extraction Method:5030B

Workgroup:WG216692

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-02	07SB01 (3-4)				216692	HPMS8	CMS
L0606695-04	07SB02 (3-4)				216692	HPMS8	CMS

WORKGROUP SUMMARY BY METHOD

00061706

Analysis:special list-8260

Analytical Method:8260B

Workgroup:WG216697

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-01	07SB01 (0-1)			07/06/06 12:26	01	HPMS9	MES
L0606695-03	07SB02 (0-1)			07/06/06 11:24	01	HPMS9	MES
L0606695-12	07SB06 (3-4)			07/06/06 11:55	01	HPMS9	MES
L0606695-13	DUP-07SB02 (0-1)			07/06/06 13:58	01	HPMS9	MES
L0606695-14	07SB01 (0-1)MS			07/06/06 12:57	01	HPMS9	MES
L0606695-15	07SB01 (0-1)MSD			07/06/06 13:28	01	HPMS9	MES

Analysis:special list-8260

Extraction Method:5030B

Workgroup:WG216697

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-01	07SB01 (0-1)				216697	HPMS9	MES
L0606695-03	07SB02 (0-1)				216697	HPMS9	MES
L0606695-12	07SB06 (3-4)				216697	HPMS9	MES
L0606695-13	DUP-07SB02 (0-1)				216697	HPMS9	MES
L0606695-14	07SB01 (0-1)MS				216697	HPMS9	MES
L0606695-15	07SB01 (0-1)MSD				216697	HPMS9	MES

Analysis:Metals Analysis

Extraction Method:3050B

Workgroup:WG216713

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-01	07SB01 (0-1)		07/06/06 07:30			HOT BLOCK	VC
L0606695-02	07SB01 (3-4)		07/06/06 07:30			HOT BLOCK	VC
L0606695-03	07SB02 (0-1)		07/06/06 07:30			HOT BLOCK	VC
L0606695-04	07SB02 (3-4)		07/06/06 07:30			HOT BLOCK	VC
L0606695-11	07SB06 (0-1)		07/06/06 07:30			HOT BLOCK	VC
L0606695-12	07SB06 (3-4)		07/06/06 07:30			HOT BLOCK	VC
L0606695-13	DUP-07SB02 (0-1)		07/06/06 07:30			HOT BLOCK	VC
L0606695-14	07SB01 (0-1)MS		07/06/06 07:30			HOT BLOCK	VC
L0606695-15	07SB01 (0-1)MSD		07/06/06 07:30			HOT BLOCK	VC

Analysis:

Analytical Method:6010B

Workgroup:WG216721

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-16	EQUIPMENT RINSE-SLIDE HAMMER		07/05/06 09:30	07/06/06 13:46	01	PE-ICP2	SLP
L0606695-16	EQUIPMENT RINSE-SLIDE HAMMER		07/05/06 09:30	07/06/06 13:46	01	PE-ICP2	SLP

WORKGROUP SUMMARY BY METHOD

00061707

Analysis:TPH - Texas Method 1005

Extraction Method:METH0D

Workgroup:WG216757

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-16	EQUIPMENT RINSE-SLIDE HAMMER		07/06/06 14:15			HP14	CAA

Analysis:TPH - Texas Method 1005

Analytical Method:T1005

Workgroup:WG216758

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-16	EQUIPMENT RINSE-SLIDE HAMMER		07/06/06 14:15	07/09/06 06:08	01	HP14	CAA

Analysis:Percent Solids

Analytical Method:D2216-90

Workgroup:WG216760

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-01	07SB01 (0-1)			07/06/06 15:35		OVEN	TMM
L0606695-02	07SB01 (3-4)			07/06/06 15:35		OVEN	TMM
L0606695-03	07SB02 (0-1)			07/06/06 15:35		OVEN	TMM
L0606695-04	07SB02 (3-4)			07/06/06 15:35		OVEN	TMM
L0606695-11	07SB06 (0-1)			07/06/06 15:35		OVEN	TMM
L0606695-12	07SB06 (3-4)			07/06/06 15:35		OVEN	TMM
L0606695-13	DUP-07SB02 (0-1)			07/06/06 15:35		OVEN	TMM
L0606695-14	07SB01 (0-1)MS			07/06/06 15:35		OVEN	TMM
L0606695-15	07SB01 (0-1)MSD			07/06/06 15:35		OVEN	TMM

Analysis:Special Request - SV

Analytical Method:8270C

Workgroup:WG216777

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-16	EQUIPMENT RINSE-SLIDE HAMMER		07/06/06 08:15	07/06/06 22:52	01	HPMS4	ALT/JWR

WORKGROUP SUMMARY BY METHOD

00061708

Analysis:Metals Analysis

Analytical Method:6010B

Workgroup:WG216803

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-01	07SB01 (0-1)		07/06/06 07:30	07/11/06 11:46	DL01	IRIS-ICP	SLP
L0606695-02	07SB01 (3-4)		07/06/06 07:30	07/11/06 09:53	01	IRIS-ICP	SLP
L0606695-03	07SB02 (0-1)		07/06/06 07:30	07/11/06 10:29	01	IRIS-ICP	SLP
L0606695-04	07SB02 (3-4)		07/06/06 07:30	07/11/06 10:35	01	IRIS-ICP	SLP
L0606695-11	07SB06 (0-1)		07/06/06 07:30	07/11/06 10:41	01	IRIS-ICP	SLP
L0606695-12	07SB06 (3-4)		07/06/06 07:30	07/11/06 10:47	01	IRIS-ICP	SLP
L0606695-13	DUP-07SB02 (0-1)		07/06/06 07:30	07/11/06 10:53	01	IRIS-ICP	SLP
L0606695-14	07SB01 (0-1)MS		07/06/06 07:30	07/11/06 11:52	DL01	IRIS-ICP	SLP
L0606695-15	07SB01 (0-1)MSD		07/06/06 07:30	07/11/06 11:58	DL01	IRIS-ICP	SLP

Analysis:Perchlorate

Analytical Method:314.0

Workgroup:WG216841

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-01	07SB01 (0-1)			07/10/06 18:51	01	IC1	JWR
L0606695-02	07SB01 (3-4)			07/10/06 20:13	01	IC1	JWR
L0606695-03	07SB02 (0-1)			07/10/06 20:33	01	IC1	JWR
L0606695-04	07SB02 (3-4)			07/10/06 20:54	01	IC1	JWR
L0606695-09	07SB05 (0-1)			07/10/06 21:14	01	IC1	JWR
L0606695-10	07SB05 (3-4)			07/10/06 21:55	DL01	IC1	JWR
L0606695-11	07SB06 (0-1)			07/10/06 22:16	01	IC1	JWR
L0606695-12	07SB06 (3-4)			07/10/06 22:36	DL01	IC1	JWR
L0606695-13	DUP-07SB02 (0-1)			07/10/06 22:56	01	IC1	JWR
L0606695-14	07SB01 (0-1)MS			07/10/06 19:32	01	IC1	JWR
L0606695-15	07SB01 (0-1)MSD			07/10/06 19:53	01	IC1	JWR

Analysis:Perchlorate

Extraction Method:314.0

Workgroup:WG216841

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-01	07SB01 (0-1)		07/10/06 17:50			FILTER	JWR
L0606695-02	07SB01 (3-4)		07/10/06 17:50			FILTER	JWR
L0606695-03	07SB02 (0-1)		07/10/06 17:50			FILTER	JWR
L0606695-04	07SB02 (3-4)		07/10/06 17:50			FILTER	JWR
L0606695-09	07SB05 (0-1)		07/10/06 17:50			FILTER	JWR
L0606695-10	07SB05 (3-4)		07/10/06 17:50			FILTER	JWR
L0606695-11	07SB06 (0-1)		07/10/06 17:50			FILTER	JWR
L0606695-12	07SB06 (3-4)		07/10/06 17:50			FILTER	JWR
L0606695-13	DUP-07SB02 (0-1)		07/10/06 17:50			FILTER	JWR
L0606695-14	07SB01 (0-1)MS		07/10/06 17:50			FILTER	JWR
L0606695-15	07SB01 (0-1)MSD		07/10/06 17:50			FILTER	JWR

WORKGROUP SUMMARY BY METHOD

00061709

Analysis:Special Request - SV

Analytical Method:8270C

Workgroup:WG216941

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-01	07SB01 (0-1)		07/05/06 08:30	07/07/06 17:59	01	HPMS4	ALT/JWR
L0606695-02	07SB01 (3-4)		07/05/06 08:30	07/07/06 19:42	DL01	HPMS4	ALT/JWR
L0606695-03	07SB02 (0-1)		07/05/06 08:30	07/07/06 16:16	01	HPMS4	ALT/JWR
L0606695-04	07SB02 (3-4)		07/05/06 08:30	07/07/06 15:07	01	HPMS4	ALT/JWR
L0606695-11	07SB06 (0-1)		07/05/06 08:30	07/07/06 17:25	01	HPMS4	ALT/JWR
L0606695-12	07SB06 (3-4)		07/05/06 08:30	07/07/06 15:41	01	HPMS4	ALT/JWR
L0606695-13	DUP-07SB02 (0-1)		07/05/06 08:30	07/07/06 16:50	01	HPMS4	ALT/JWR
L0606695-14	07SB01 (0-1)MS		07/05/06 08:30	07/07/06 18:34	01	HPMS4	ALT/JWR
L0606695-15	07SB01 (0-1)MSD		07/05/06 08:30	07/07/06 19:08	01	HPMS4	ALT/JWR

Analysis:Perchlorate

Analytical Method:314.0

Workgroup:WG217333

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-17	EQUIPMENT RINSE-HAND AUGER			07/14/06 01:55	01	IC1	JWR

Analysis:Perchlorate

Extraction Method:314.0

Workgroup:WG217333

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606695-17	EQUIPMENT RINSE-HAND AUGER		07/13/06 20:49			FILTER	JWR

Kemron Environmental Services
Analyst Listing
July 17, 2006

00061710

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAA - CASSIE A. AUGENSTEIN	CAF - CHERYL A. FLOWERS
CAK - CHERYL A. KOELSCH	CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSA - LUCINDA S. ARNOLD	CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN
DD - DIANE M. DENNIS	DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ
DEV - DAVID E. VANDENBERG	DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON
DLB - DAVID L. BUMGARNER	DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH
DR - DEANNA ROBERTS	DSM - DAVID S. MOSSOR	DST - DENNIS S. TEPE
ECL - ERIC C. LAWSON	ED - EMILY E. DECKER	HAV - HEMA VILASAGAR
JAL - JOHN A. LENT	JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL
JNB - JOSHUA N. BOOTH	JS - JENNIFER L. SOUTHALL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KCZ - KEVIN C. ZUMBRO
KEB - KATHRYN E. BARNES	KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON
LKN - LINDA K. NEDEFF	LSB - LESLIE S. BUCINA	MDA - MIKE D. ALBERTSON
MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING	MKZ - MARILYN K. ZUMBRO
MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL	MMB - MAREN M. BEERY
MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH	PAS - PATRICK A. STREET
PJM - PAUL J. MILLER	RB - ROBERT BUCHANAN	RDC - REBECCA D. CUTLIP
REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL	SCM - SUSAN C. MOELLENDICK
SLM - STEPHANIE L. MOSSBURG	SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE
SRM - SAMUEL R. MCFEE	TMB - TIFFANY M. BAILEY	TMM - TAMMY M. MORRIS
VC - VICKI COLLIER	WFM - WALTER F. MARTIN	

<u>Qualifier</u>	<u>Description</u>
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	Analyte present in method blank
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
FL	Free Liquid
I	Semiquantitative result (out of instrument calibration range)
J	The analyte was positively identified, but the quantitation was below the RL
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	ESTIMATE & COLUMNS DON'T AGREE TO WITHIN 40%
L	Sample reporting limits elevated due to matrix interference
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Tentatively identified compound(TIC)
NA	Not applicable
ND	Not detected at or above the reporting limit
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria fail. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Undetected; the concentration is below the reported MDL.
UJ	Undetected; the MDL and RL are estimated due to quality control discrepancies.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

Organic QA/QC

KEMRON Environmental Services
Data Checklist

00061713

Date: 22-APR-2006
 Analyst: MES
 Analyst: MDA
 Method: 8260/624
 Instrument: HPMS8
 Curve Workgroup: NA
 Analytical Workgroups: WG211705

Runlog ID number:	10012
System Performance Check	NA
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	NA
Second Source standard % Difference	X
Continuing Calibration /Check Standards	NA
Project/Client Specific Requirements	NA
Special Standards	NA
Blanks	NA
TCL's	NA
Surrogates	NA
LCS (Laboratory Control Sample)	NA
Recoveries	NA
Surrogates	NA
MS/MSD/Duplicates	NA
Samples	NA
TCL Hits	NA
Spectra of TCL Hits	NA
Surrogates	NA
Internal Standards Criteria	NA
Library Searches	NA
Calculations & Correct Factors	NA
Dilutions Run	NA
Reruns	NA
Manual Integrations	X
Case Narrative	NA
Results Reporting/Data Qualifiers	NA
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	MES
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
22-APR-2006



Secondary Reviewer:
25-APR-2006



Generated: APR-25-2006 17:01:46

KEMRON Environmental Services
Data Checklist

00061714

Date: 07-JUN-2006
 Analyst: MES
 Analyst: NA
 Method: 8260
 Instrument: HPMS9
 Curve Workgroup: NA
 Analytical Workgroups: WG214755

Runlog ID number:	10712
System Performance Check	NA
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	NA
Project/Client Specific Requirements	NA
Special Standards	NA
Blanks	NA
TCL's	NA
Surrogates	NA
LCS (Laboratory Control Sample)	NA
Recoveries	NA
Surrogates	NA
MS/MSD/Duplicates	NA
Samples	NA
TCL Hits	NA
Spectra of TCL Hits	NA
Surrogates	NA
Internal Standards Criteria	NA
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	NA
Reruns	NA
Manual Integrations	X
Case Narrative	NA
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	MES
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:



 Secondary Reviewer:
 08-JUN-2006



Generated: JUN-08-2006 16:14:05

KEMRON Environmental Services Data Checklist

00061715

Date: 24-JUN-2006
 Analyst: MES
 Analyst: NA
 Method: 8260/624
 Instrument: HPMS11
 Curve Workgroup: NA
 Runlog ID: 10988
 Analytical Workgroups: WG216023

System Performance Check	NA
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	NA
Project/Client Specific Requirements	NA
Special Standards	NA
Blanks	NA
TCL's	NA
Surrogates	NA
LCS (Laboratory Control Sample)	NA
Recoveries	NA
Surrogates	NA
MS/MSD/Duplicates	NA
Samples	NA
TCL Hits	NA
Spectra of TCL Hits	NA
Surrogates	NA
Internal Standards Criteria	NA
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	NA
Reruns	NA
Manual Integrations	X
Case Narrative	NA
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	MES
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
27-JUN-2006



Secondary Reviewer:
28-JUN-2006



Generated: JUN-28-2006 08:46:00

KEMRON Environmental Services
Data Checklist

00061716

Date: 05-JUL-2006

Analyst: CMS

Analyst: NA

Method: 8260

Instrument: HPMS11

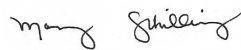
Curve Workgroup: NA

Runlog ID: 11108

Analytical Workgroups: WG216612

System Performance Check	NA
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	NA
Samples	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	NA
Reruns	X
Manual Integrations	NA
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	MES
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
06-JUL-2006



Secondary Reviewer:
10-JUL-2006



Generated: JUL-10-2006 08:45:36

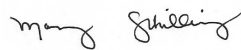
KEMRON Environmental Services Data Checklist

00061717

Date: 05-JUL-2006
 Analyst: MES
 Analyst: NA
 Method: 8260
 Instrument: HPMS9
 Curve Workgroup: NA
 Runlog ID: 11106
 Analytical Workgroups: WG216608

System Performance Check	NA
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	NA
Samples	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	X
Reruns	X
Manual Integrations	X
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	MES
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
06-JUL-2006



Secondary Reviewer:
07-JUL-2006



Generated: JUL-07-2006 08:49:41

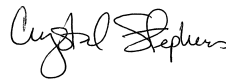
KEMRON Environmental Services Data Checklist

00061718

Date: 06-JUL-2006
 Analyst: CMS
 Analyst: NA
 Method: 8260B
 Instrument: HPMS8
 Curve Workgroup: NA
 Runlog ID: 11122
 Analytical Workgroups: WG216692

System Performance Check	X
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	X
Reruns	X
Manual Integrations	NA
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	CMS
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
07-JUL-2006



Secondary Reviewer:
10-JUL-2006



Generated: JUL-10-2006 10:06:22

KEMRON Environmental Services Data Checklist

00061719

Date: 06-JUL-2006
 Analyst: MES
 Analyst: NA
 Method: 8260
 Instrument: HPMS9
 Curve Workgroup: NA
 Runlog ID: 11113
 Analytical Workgroups: WG216697

System Performance Check	NA
BFB	X
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	X
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	NA
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	X
Reruns	NA
Manual Integrations	X
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	MES
Secondary Reviewer	MDA
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
07-JUL-2006



Secondary Reviewer:
07-JUL-2006



Generated: JUL-07-2006 12:37:36

KEMRON Environmental Services

Instrument Run Log

00061720

Instrument: HPMS8 Dataset: 042206
 Analyst1: MES Analyst2: MDA
 Method: 8260 SOP: MSV01 Rev: 8
 Method: 624 SOP: MSV02 Rev: 6
 Method: 5030B SOP: PAT01 Rev: 8

Internal Standard: SV15536 Surrogate Standard: SV15605
 CCV: STD12129 LCS: STD11995 MS/MSD: NA

Column 1 ID: RTX502.2 Column 2 ID: NA

Workgroups: WG211705

Comments: BFB CHECKs were used while tuning the instrument.

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	8M326656	BFB CHECK	NA	1	1		04/22/06 08:37
2	8M326657	BFB CHECK	NA	1	1		04/22/06 09:27
3	8M326658	BFB CHECK	NA	1	1		04/22/06 10:06
4	8M326659	BFB CHECK	NA	1	1		04/22/06 10:19
5	8M326660	BFB CHECK	NA	1	1		04/22/06 10:53
6	8M326661	BFB CHECK	NA	1	1		04/22/06 11:14
7	8M326662	BFB CHECK	NA	1	1		04/22/06 12:05
8	8M326663	BFB CHECK	NA	1	1		04/22/06 12:22
9	8M326664	BFB CHECK	NA	1	1		04/22/06 13:34
10	8M326665	BFB CHECK	NA	1	1		04/22/06 14:17
11	8M326666	BFB CHECK	NA	1	1		04/22/06 14:37
12	8M326667	SYSTEM BLANK	NA	1	1		04/22/06 15:05
13	8M326668	SYSTEM BLANK	NA	1	1		04/22/06 15:35
14	8M326669	SYSTEM BLANK	NA	1	1		04/22/06 16:05
15	8M326670	SYSTEM BLANK	NA	1	1		04/22/06 16:36
16	8M326671	SYSTEM BLANK	NA	1	1		04/22/06 17:06
17	8M326672	SYSTEM BLANK	NA	1	1		04/22/06 17:36
18	8M326673	WG211705-01 50ng BFB	NA	1	1	SV15612	04/22/06 18:16
19	8M326674	WG211705-02 0.3ug/L STD 826	NA	1	1		04/22/06 18:45
20	8M326675	WG211705-03 0.4ug/L STD 826	NA	1	1		04/22/06 19:15
21	8M326676	WG12345-04 0.5ug/L STD 8260	NA	1	1		04/22/06 19:45
22	8M326677	WG211705-04 1ug/L STD 826	NA	1	1	STD12129	04/22/06 20:14
23	8M326678	WG211705-05 2ug/L STD 826	NA	1	1	STD12129	04/22/06 20:44
24	8M326679	WG211705-06 5ug/L STD 826	NA	1	1	STD12129	04/22/06 21:14
25	8M326680	WG12345-08 10ug/L STD 8260	NA	1	1	STD12129	04/22/06 21:44
26	8M326681	WG211705-07 20ug/L STD 826	NA	1	1	STD12129	04/22/06 22:13
27	8M326682	WG211705-08 50ug/L STD 826	NA	1	1	STD12129	04/22/06 22:43
28	8M326683	WG211705-09 100ug/L STD 826	NA	1	1	STD12129	04/22/06 23:13
29	8M326684	WG211705-10 200ug/L STD 826	NA	1	1	STD12129	04/22/06 23:42
30	8M326685	RINSE	NA	1	1		04/23/06 00:12
31	8M326686	RINSE	NA	1	1		04/23/06 00:42
32	8M326687	RINSE	NA	1	1		04/23/06 01:12

Approved: April 25, 2006

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KEMRON Environmental Services

Instrument Run Log

00061721

Instrument: HPMS8 Dataset: 042206
 Analyst1: MES Analyst2: MDA
 Method: 8260 SOP: MSV01 Rev: 8
 Method: 624 SOP: MSV02 Rev: 6
 Method: 5030B SOP: PAT01 Rev: 8

Internal Standard: SV15536 Surrogate Standard: SV15605
 CCV: STD12129 LCS: STD11995 MS/MSD: NA

Column 1 ID: RTX502.2 Column 2 ID: NA

Workgroups: WG211705

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
33	8M326688	WG211705-11 20ug/L ALT SRCE 820	NA	1	1	STD11995	04/23/06 01:42

Comments

Seq.	Rerun	Dil.	Reason	Analytes
21				
File ID: 8M326676				
Do not report.				
25				
File ID: 8M326680				
Do not report.				

Approved: April 25, 2006

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KEMRON Environmental Services

Instrument Run Log

00061722

Instrument: HPMS9 Dataset: 060706
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 9

Internal Standard: STD12786 Surrogate Standard: STD13076
 CCV: STD13053 LCS: STD12865 MS/MSD: NA

Column 1 ID: RTX502.2 Column 2 ID: NA

Workgroups: WG214755

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	9M46649	2ceve std--5ppb	NA	7	1		06/07/06 08:43
2	9M46650	WG214755-01 50NG BFB STD 8260	NA	7	1	STD12977	06/07/06 09:18
3	9M46651	SYSTEM BLANK	NA	7	1		06/07/06 09:47
4	9M46652	WG214755-04 5 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 10:21
5	9M46653	WG214755-02 0.5 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 10:52
6	9M46654	WG214755-03 2 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 11:23
7	9M46655	WG214755-05 10 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 11:59
8	9M46656	WG214755-07 20 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 12:30
9	9M46657	WG214755-07 50 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 13:01
10	9M46658	WG214755-08 100 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 13:31
11	9M46659	WG214755-09 200 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 14:02
12	9M46660	SYSTEM BLANK	NA	7	1		06/07/06 14:32
13	9M46661	WG214755-06 20ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 15:03
14	9M46662	WG214755-03 2ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 15:34
15	9M46663	WG214755-02 0.5 ug/Kg SOIL STD 8260	NA	7	1	STD13053	06/07/06 16:04
16	9M46664	WG214755-10 20ug/Kg ALT SOURCE	NA	7	1	STD12865	06/07/06 16:36

Comments

Seq.	Rerun	Dil.	Reason	Analytes
5				
File ID: 9M46653				
Do not report.				
6				
File ID: 9M46654				
Do not report.				
8				
File ID: 9M46656				
Do not report.				

Approved: June 08, 2006

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KEMRON Environmental Services

Instrument Run Log

00061723

Instrument: HPMS11 Dataset: 062406
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 624 SOP: MSV10 Rev: 9
 Method: 5030B SOP: PAT01 Rev: 9
 Maintenance Log ID: 14475

Internal Standard: STD13085 Surrogate Standard: STD13086
 CCV: STD13415/STD13416 LCS: STD13400/STD13417 MS/MSD: NA
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG216023

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	11M34445	RT TIME CHECK	NA	1	1		06/24/06 13:09
2	11M34446	BLANK	NA	1	1		06/24/06 13:40
3	11M34447	BLANK	NA	1	1		06/24/06 14:13
4	11M34448	BLANK	NA	1	1		06/24/06 14:43
5	11M34449	WG216023-01 50NG BFB STD 8260	NA	1	1	STD12977	06/24/06 15:40
6	11M34450	WG216023-02 0.3 ug/L WATER STD 8260	NA	1	1	STD13415	06/24/06 16:07
7	11M34451	WG216023-03 0.4 ug/L WATER STD 8260	NA	1	1	STD13415	06/24/06 16:38
8	11M34452	WG216023-04 1 ug/L WATER STD 8260	NA	1	1	STD13415/STD13416	06/24/06 17:09
9	11M34453	WG216023-05 2 ug/L WATER STD 8260	NA	1	1	STD13415/STD13416	06/24/06 17:41
10	11M34454	WG216023-06 5 ug/L WATER STD 8260	NA	1	1	STD13415/STD13416	06/24/06 18:11
11	11M34455	WG216023-07 20 ug/L WATER STD 8260	NA	1	1	STD13415/STD13416	06/24/06 18:41
12	11M34456	WG216023-08 50 ug/L WATER STD 8260	NA	1	1	STD13415/STD13416	06/24/06 19:12
13	11M34457	WG216023-09 100 ug/L WATER STD 8260	NA	1	1	STD13415/STD13416	06/24/06 19:42
14	11M34458	WG216023-10 200 ug/L WATER STD 8260	NA	1	1	STD13415/STD13416	06/24/06 20:13
15	11M34459	SYSTEM BLANK	NA	1	1		06/24/06 20:43
16	11M34460	SYSTEM BLANK	NA	1	1		06/24/06 21:14
17	11M34461	WG216023-11 20ug/L ALT SOURCE 8260	NA	1	1	STD13400/STD13417	06/24/06 21:44

Approved: June 28, 2006

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KEMRON Environmental Services

Instrument Run Log

00061724

Instrument: HPMS11 Dataset: 070506
 Analyst1: CMS Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 9

Maintenance Log ID: 14584

Internal Standard: STD13085 Surrogate Standard: STD13411
 CCV: STD13415 LCS: STD13400 MS/MSD: NA
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG216612

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	11M34647	WG216611-01 50NG BFB STD 8260	NA	1	1	STD12977	07/05/06 08:53
2	11M34648	WG216611-01 BFB 50ng STD 8260	NA	1	1	STD12977	07/05/06 09:21
3	11M34649	WG216611-02 50ug/L STD 8260	NA	1	1	STD13415	07/05/06 09:53
4	11M34650	WG216612-01 VBLK0705 BLANK 8260	NA	1	1		07/05/06 10:24
5	11M34651	WG216612-01 VBLK0705 BLANK 8260	NA	1	1		07/05/06 10:54
6	11M34652	WG216612-02 20ug/L LCS STD 8260	NA	1	1	STD13400	07/05/06 11:24
7	11M34653	WG216612-03 20ug/L LCS DUP STD 8260	NA	1	1	STD13400	07/05/06 11:55
8	11M34654	L0606654-07 A 8260	<2	1	1		07/05/06 12:25
9	11M34655	L0606655-06 A 8260	<2	1	1		07/05/06 12:56
10	11M34656	L0606695-16 A 826-SPE	<2	1	1		07/05/06 13:26
11	11M34657	L0606695-18 A 826-SPE	<2	1	1		07/05/06 13:57
12	11M34658	L0606695-19 A 826-SPE	<2	1	1		07/05/06 14:28
13	11M34659	L0606695-20 A 826-SPE	<2	1	1		07/05/06 14:58
14	11M34660	L0606647-02 A 826-LOW	<2	1	1		07/05/06 15:29
15	11M34661	L0606647-01 A 826-LOW	<2	1	1		07/05/06 15:59
16	11M34662	L0606654-01 A 8260	<2	1	1		07/05/06 16:30
17	11M34663	L0606654-02 A 10X 8260	<2	1	10		07/05/06 17:00
18	11M34664	L0606654-03 A 8260	<2	1	1		07/05/06 17:31
19	11M34665	L0606654-05 A 10X 8260	<2	1	10		07/05/06 18:01
20	11M34666	L0606654-04 A 20X 8260	<2	1	20		07/05/06 18:32
21	11M34667	L0606654-06 A 20X 8260	<2	1	20		07/05/06 19:02
22	11M34668	L0606655-01 A 5X 8260	<2	1	5		07/05/06 19:33
23	11M34669	L0606655-02 A 5X 8260	<2	1	5		07/05/06 20:04
24	11M34670	L0606676-02 A 10X 826-TC	NA	17	10		07/05/06 20:34
25	11M34671	L0606702-01 A 10X 826-TC	NA	17	10		07/05/06 21:04
26	11M34672	SYSTEM BLANK	NA	1	1		07/05/06 21:34

Comments

Seq.	Rerun	Dil.	Reason	Analytes
1				
File ID: 11M34647				

Approved: July 10, 2006

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KEMRON Environmental Services

Instrument Run Log

00061725

Instrument: HPMS11 Dataset: 070506
 Analyst1: CMS Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 9

Maintenance Log ID: 14584

Internal Standard: STD13085 Surrogate Standard: STD13411
 CCV: STD13415 LCS: STD13400 MS/MSD: NA
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG216612

Comments

Seq.	Rerun	Dil.	Reason	Analytes
RR-BFB failed.				
16	X	5	Over Calibration Range	cis-1,2-DCE and TCE
File ID: 11M34662				
19	X	100	Over Calibration Range	cis-1,2-DCE
File ID: 11M34665				
20	X	5	Analyzed too dilute	
File ID: 11M34666				
Do not report.				
21	X	5	Analyzed too dilute	
File ID: 11M34667				
Do not report.				
22	X	2	Analyzed too dilute	
File ID: 11M34668				
Do not report.				
23	X	1	Analyzed too dilute	
File ID: 11M34669				
Do not report.				

Approved: July 10, 2006

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KEMRON Environmental Services

Instrument Run Log

00061726

Instrument: HPMS9 Dataset: 070506
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 9
 Method: 5035 SOP: PAT02 Rev: 8
 Maintenance Log ID: 14581

Internal Standard: STD13522 Surrogate Standard: STD13076
 CCV: STD13415 LCS: STD13400 MS/MSD: NA
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG216608

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	9M47045	WG216607-01 50NG BFB STD 8260	NA	7	1	STD12977	07/05/06 08:41
2	9M47046	WG216607-02 50ug/Kg SOIL STD 8260	NA	7	1	STD13415	07/05/06 09:10
3	9M47047	WG216608-01 VBLK0705 BLANK 8260	NA	7	1		07/05/06 09:42
4	9M47048	WG216607-01 50NG BFB STD 8260	NA	7	1	STD12977	07/05/06 10:10
5	9M47049	WG216607-02 50ug/Kg SOIL STD 8260	NA	7	1	STD13415	07/05/06 10:35
6	9M47050	WG216608-01 VBLK0705 BLANK 8260	NA	7	1		07/05/06 11:05
7	9M47051	WG216608-02 20ug/Kg LCS 8260	NA	7	1	STD13400	07/05/06 11:36
8	9M47052	WG216608-03 20ug/Kg LCSDUP 8260	NA	7	1	STD13400	07/05/06 12:07
9	9M47053	L0606684-03 B 0.9X 8260	NA	7	1		07/05/06 12:38
10	9M47054	L0606677-01 D1 5X 8260	NA	7	1		07/05/06 13:08
11	9M47055	L0606649-01 8260A	NA	7	1		07/05/06 13:39
12	9M47056	L0606649-02 8260A	NA	7	1		07/05/06 14:10
13	9M47057	L0606648-02 A 1X 826-SPE	NA	7	1		07/05/06 14:41
14	9M47058	L0606648-03 A 1.4X 826-SPE	NA	7	1		07/05/06 15:12
15	9M47059	L0606648-01 B 1.4X 826-SPE	NA	7	1		07/05/06 15:42
16	9M47060	L0606648-04 B 1X 826-SPE	NA	7	1		07/05/06 16:13
17	9M47061	L0606684-05 A 0.8X 8260	NA	7	1		07/05/06 16:44
18	9M47062	L0606684-06 A 0.8X 8260	NA	7	1		07/05/06 17:15
19	9M47063	L0606684-07 A 0.8X 8260	NA	7	1		07/05/06 17:45
20	9M47064	L0606684-08 A 0.8X 8260	NA	7	1		07/05/06 18:16
21	9M47065	L0606684-09 A 0.8X 8260	NA	7	1		07/05/06 18:47
22	9M47066	L0606684-10 A 0.8X 8260	NA	7	1		07/05/06 19:18
23	9M47067	L0606684-11 A 0.8X 8260	NA	7	1		07/05/06 19:49
24	9M47068	L0606684-12 A 0.8X 8260	NA	7	1		07/05/06 20:20
25	9M47069	L0606695-02 A 1.6X 826-SPE	NA	7	1		07/05/06 20:50
26	9M47070	L0606695-04 A 1.4X 826-SPE	NA	7	1		07/05/06 21:21
27	9M47071	L0606695-11 A 2.5X 826-SPE	NA	7	1		07/05/06 21:52
28	9M47072	SYSTEM BLANK	NA	7	1		07/05/06 22:24
29	9M47073	5035 BLANK A 6/30/06	NA	7	1		07/05/06 22:55
30	9M47074	SYSTEM CHECK	NA	7	1		07/05/06 23:26
31	9M47075	SYSTEM BLANK	NA	7	1		07/05/06 23:57

Approved: July 07, 2006

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KEMRON Environmental Services

Instrument Run Log

00061727

Instrument: HPMS9 Dataset: 070506
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 9
 Method: 5035 SOP: PAT02 Rev: 8
 Maintenance Log ID: 14581

Internal Standard: STD13522 Surrogate Standard: STD13076
 CCV: STD13415 LCS: STD13400 MS/MSD: NA
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG216608

Comments

Seq.	Rerun	Dil.	Reason	Analytes
2				
File ID: 9M47046				
Restart instrument-surrogate is low.				
9	X	100	Over Calibration Range	TCE
File ID: 9M47053				
This has changed from an A1 to a 00.				
12	X	5	Over Calibration Range	PCE
File ID: 9M47056				
18	X	100	Over Calibration Range	TCE
File ID: 9M47062				
25	X	100	Over Calibration Range	1,1,1-TCA
File ID: 9M47069				
26	X	100	Over Calibration Range	1,1-DCE, 1,1-DCA, 1,1,1-TCA
File ID: 9M47070				

Approved: July 07, 2006

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KEMRON Environmental Services

Instrument Run Log

00061728

Instrument: HPMS8 Dataset: 070606
 Analyst1: CMS Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 9

Maintenance Log ID: 14594

Internal Standard: STD13087 Surrogate Standard: STD13415
 CCV: STD13415 LCS: STD13400 MS/MSD: NA
 Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG216692

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	8M328459	WG216691-01 50NG BFB STD 8260	NA	1	1	STD13589	07/06/06 07:34
2	8M328460	WG216691-02 50ug/L STD 8260	NA	1	1	STD13415	07/06/06 08:05
3	8M328461	WG216692-01 VBLK0706 BLANK 8260	NA	7	1		07/06/06 08:36
4	8M328462	WG216692-01 EXT BLK 100X 8260 5g/10m	NA	11	50		07/06/06 09:06
5	8M328463	WG216692-02 EXT LCS 100X 8260 5g/10m	NA	11	50		07/06/06 09:35
6	8M328464	WG216692-03 L0607019-04 50000X 826	NA	11	5000		07/06/06 10:08
7	8M328465	L0606684-06 C 86.5X 8260 M1 5.78g/10mL	NA	7	50		07/06/06 10:38
8	8M328466	L0606695-02 C 403X 826-SPE M1 1.24g/10	NA	7	50		07/06/06 11:08
9	8M328467	L0606695-04 C 368X 826-SPE M1 1.36g/10	NA	7	50		07/06/06 11:37
10	8M328468	WG216692-04 L0607019-04 DUP 50000X 8	NA	11	5000		07/06/06 12:07
11	8M328469	L0606641-07 C 442X 826-SPE 5.66g/5mL	NA	7	500		07/06/06 12:37
12	8M328470	L0606641-02 C 35600X 826-SPE M1 7.02g	NA	7	50000		07/06/06 13:06
13	8M328471	L0606641-01 C 43800X 826-SPE M1 5.71g	NA	7	50000		07/06/06 13:36
14	8M328472	L0606641-03 C 38000X 826-SPE M1 6.58g	NA	7	50000		07/06/06 14:05
15	8M328473	L0606641-05 C 37700X 826-SPE 6.64g/5m	NA	7	50000		07/06/06 14:35
16	8M328474	L0606641-06 C 40700X 826-SPE 6.15g/5m	NA	7	50000		07/06/06 15:05
17	8M328475	L0606641-04 C 41900X 826-SPE 5.96g/5m	NA	7	50000		07/06/06 15:36
18	8M328476	SYSTEM BLANK	NA	1	1		07/06/06 16:06
19	8M328477	L0606641-06 C 407000X 826-SPE M1 6.15	NA	7	500000		07/06/06 16:36
20	8M328478	L0606641-04 C 419000X 826-SPE M1 5.96	NA	7	500000		07/06/06 17:06
21	8M328479	L0606641-02 C 3650X 826-SPE 7.02g/5m	NA	7	5000		07/06/06 17:36
22	8M328480	L0606641-01 C 4380X 826-SPE 5.71g/5m	NA	7	5000		07/06/06 18:07
23	8M328481	L0606641-03 C 3800X 826-SPE 6.58g/5m	NA	7	5000		07/06/06 18:37
24	8M328482	SYSTEM BLANK	NA	1	1		07/06/06 19:07
25	8M328483	SYSTEM CHECK	NA	1	1		07/06/06 19:37
26	8M328484	SYSTEM CHECK	NA	1	1		07/06/06 20:07
27	8M328485	SYSTEM BLANK	NA	1	1		07/06/06 20:38
28	8M328486	SYSTEM CHECK	NA	1	1		07/07/06 07:36
29	8M328487	SYSTEM CHECK	NA	1	1		07/07/06 08:06
30	8M328488	SYSTEM BLANK	NA	1	1		07/07/06 08:40

Comments

Approved: July 10, 2006

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KEMRON Environmental Services

Instrument Run Log

00061729

Instrument: <u>HPMS8</u>	Dataset: <u>070606</u>	
Analyst1: <u>CMS</u>	Analyst2: <u>NA</u>	
Method: <u>8260B</u>	SOP: <u>MSV01</u>	Rev: <u>10</u>
Method: <u>5030B</u>	SOP: <u>PAT01</u>	Rev: <u>9</u>

Maintenance Log ID: 14594

Internal Standard: <u>STD13087</u>	Surrogate Standard: <u>STD13415</u>	
CCV: <u>STD13415</u>	LCS: <u>STD13400</u>	MS/MSD: <u>NA</u>
Column 1 ID: <u>RTX502.2</u>	Column 2 ID: <u>NA</u>	
Workgroups: <u>WG216692</u>		

Comments

Seq.	Rerun	Dil.	Reason	Analytes
3				
File ID: 8M328461				
Not needed/DNR				
16	X	407000	Over Calibration Range	TCE
File ID: 8M328474				
17	X	419000	Over Calibration Range	TCE
File ID: 8M328475				
21	X	36500	Over Calibration Range	TCE
File ID: 8M328479				
22	X	43800	Over Calibration Range	TCE
File ID: 8M328480				
23	X	38000	Over Calibration Range	TCE
File ID: 8M328481				

Approved: July 10, 2006

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KEMRON Environmental Services

Instrument Run Log

00061730

Instrument: HPMS9 Dataset: 070606
 Analyst1: MES Analyst2: NA
 Method: 8260B SOP: MSV01 Rev: 10
 Method: 5030B SOP: PAT01 Rev: 9
 Method: 5035 SOP: PAT02 Rev: 8

Maintenance Log ID: _____

Internal Standard: STD13522 Surrogate Standard: STD13076
 CCV: STD13415 LCS: STD13400 MS/MSD: STD13400

Column 1 ID: RTX502.2 Column 2 ID: NA
 Workgroups: WG216697

Comments:

Seq.	File ID	Sample Information	pH	Mat	Dil	Reference	Date/Time
1	9M47078	WG216696-01 50NG BFB STD 8260	NA	7	1	STD12977	07/06/06 08:43
2	9M47079	WG216696-01 50NG BFB STD 8260	NA	7	1	STD12977	07/06/06 08:57
3	9M47080	WG216696-02 50ug/Kg SOIL STD 8260	NA	7	1	STD13415	07/06/06 09:20
4	9M47081	WG216697-01 VBLK0606 BLANK 8260	NA	7	1		07/06/06 09:51
5	9M47082	WG216697-02 20ug/Kg LCS 8260	NA	7	1	STD13400	07/06/06 10:22
6	9M47083	L0606649-02 5X D1 8260A	NA	7	1		07/06/06 10:53
7	9M47084	L0606695-03 A 1.2X 826-SPE	NA	7	1		07/06/06 11:24
8	9M47085	L0606695-12 A 1.7X 826-SPE	NA	7	1		07/06/06 11:55
9	9M47086	L0606695-01 A 1X 826-SPE	NA	7	1		07/06/06 12:26
10	9M47087	L0606695-14 MS A 0.8X 826-SPE	NA	7	1		07/06/06 12:57
11	9M47088	L0606695-15 MSD B 1.8X 826-SPE	NA	7	1		07/06/06 13:28
12	9M47089	L0606695-13 A 1X 826-SPE	NA	7	1		07/06/06 13:58
13	9M47090	L0607054-01 8260	NA	10	1		07/06/06 14:29
14	9M47091	L0607054-02 8260	NA	10	1		07/06/06 14:59
15	9M47092	L0607036-01 8260	NA	7	1		07/06/06 15:30
16	9M47093	L0607036-02 8260	NA	7	1		07/06/06 16:01
17	9M47094	L0607036-03 8260	NA	7	1		07/06/06 16:32
18	9M47095	L0607036-04 8260	NA	7	1		07/06/06 17:02
19	9M47096	L0607036-03 8260	NA	7	1		07/06/06 17:33
20	9M47097	SYSTEM CHECK	NA	7	1		07/06/06 18:04
21	9M47098	SYSTEM CHECK	NA	7	1		07/06/06 18:34
22	9M47099	SYSTEM BLANK	NA	7	1		07/06/06 19:06

Comments

Seq.	Rerun	Dil.	Reason	Analytes
1				
File ID: 9M47078				
RR-BFB failed.				
17				
File ID: 9M47094				
RR-vial leaked.				

Approved: July 07, 2006

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KEMRON Environmental Services

Instrument Run Log

00061731

Instrument: HPMS9 Dataset: 070606
Analyst1: MES Analyst2: NA
Method: 8260B SOP: MSV01 Rev: 10
Method: 5030B SOP: PAT01 Rev: 9
Method: 5035 SOP: PAT02 Rev: 8
Maintenance Log ID: _____

Internal Standard: STD13522 Surrogate Standard: STD13076
CCV: STD13415 LCS: STD13400 MS/MSD: STD13400
Column 1 ID: RTX502.2 Column 2 ID: NA
Workgroups: WG216697

Comments

Seq.	Rerun	Dil.	Reason	Analytes
18				
File ID: 9M47095				
RR-vial leaked.				

Approved: July 07, 2006

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VOA Preservation and Extraction Log

Analyst: JWBDate Preserved: 6/30/06Method: 8240

Client	Sample #	Fraction ID	Date Collected	Time Collected	Time Preserved	Tare Wt. (g)	Total Wt. (g)	Sample Wt. (g)	Water Vol. (mL)	Methanol Vol. (mL)	Comments	Team Notified
SHAW-Alameda-T98	60606095-01	A	6/29/06	0925	1315	N/A	N/A	4.76	5	-	5	
		B		↓	↓			3.21	5	-		
		C		↓	↓			3.85	-	10		
		A		0945	1325			3.05	5	-		
		B		↓	↓			2.73	5	-		
		C		↓	↓			1.24	-	10	1	
		A		1020	1335			4.34	5	-		
		B		↓	↓			5.01	5	-		
		C		↓	↓			3.53	-	10		
		A		1050	1340			3.54	5	-		
		B		↓	↓			2.73	5	-		
		C		↓	↓			1.36	-	10		
		A		1130	1345			1.97	5	-		
		B		↓	↓			1.59	5	-		
		C		↓	↓			1.38	-	10		
		A		1140	1350			3.02	5	-		
		B		↓	↓			3.33	5	-		
		C		↓	↓			2.59	-	10		
		A		1020	1355			4.86	5	-		
		B		↓	↓			4.53	5	-		
		C		↓	↓			5.01	-	10		
		A		0925	1400			6.17	5	-		
		B		↓	↓			5.56	5	-		
		C		↓	↓			4.23	-	10		

Comments:

1 = improperly sealed cap

2 = preserved out of hold

(past 48 hours from time of collection)

3 = effervesced

4 = preserved with NaHSO₄ (sodium bisulfate)

5 = preserved by freezing

Methanol (Manufacturer, Lot #)

B&J CP805NaHSO₄ (Manufacturer, Lot #)—

Reviewed by: _____



VOA Preservation and Extraction Log

Analyst: SJBDate Preserved: 6/30/06Method: 8260

Client	Sample #	Fraction ID	Date Collected	Time Collected	Time Preserved	Tare Wt. (g)	Total Wt. (g)	Sample Wt. (g)	Water Vol. (mL)	Methanol Vol. (mL)	Comments	Team Notified
Shaw-Albion - 748	LO606695-15	A	6/28/06	0835	1405	NA	NA	1.68	5	-	5	
		B	↓	↓	↓	↓	↓	2.70	5	-	↓	
		C	↓	↓	↓	↓	↓	3.66	-	10	↓	
Blank	Blank	A	NA	NA	1110	NA	NA	4.00	5	-	↓	
		B	↓	↓	↓	↓	↓	4.45	5	-	↓	
		C	↓	↓	↓	↓	↓	5.01	-	10	↓	
Kemron - 838	LO606684-01	A	6/28/06	1520	NA	30.074	36.62	6.546	NA	NA	5 Field pres in H ₂ O	
	02	↓	↓	1535	↓	30.828	36.63	5.808	↓	↓	↓	
	03	↓	↓	1555	↓	31.030	37.07	6.680	↓	↓	↓	
	04	↓	↓	1610	↓	30.646	37.03	6.384	↓	↓	↓	
	05	↓	6/29/06	0745	↓	30.876	37.57	6.694	↓	↓	↓	
	06	↓	↓	0805	↓	30.821	37.34	6.519	↓	↓	↓	
	07	↓	↓	0825	↓	30.591	37.11	6.519	↓	↓	↓	
	08	↓	↓	0845	↓	30.840	37.21	6.37	↓	↓	↓	
	09	↓	↓	0920	↓	30.527	36.79	6.262	↓	↓	↓	
	10	↓	↓	0935	↓	30.590	36.96	6.370	↓	↓	↓	
	11	↓	↓	0950	↓	30.848	37.17	6.252	↓	↓	↓	
	12	↓	↓	1010 JWB	↓	30.674	37.00	6.326	↓	↓	↓	
AMO-M-007	LO606675-01	A	6/19/06	NA	NA	NA	NA	5.06	NA	10		
Clw 07-05-06												

Comments:

1 = improperly sealed cap

2 = preserved out of hold

(past 48 hours from time of collection)

3 = effervesced

4 = preserved with NaHSO₄ (sodium bisulfate)

5 = preserved by freezing

Methanol (Manufacturer, Lot #)

B&J CP805

NaHSO₄ (Manufacturer, Lot #)

Reviewed by:

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061734

Analytical Method: 8260B
Login Number: L0606695

AAB#: WG216608

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
07SB01 (3-4)	06/29/06	06/30/06	07/05/06	14	6.46	07/05/06	14	6.46	
07SB02 (3-4)	06/29/06	06/30/06	07/05/06	14	6.44	07/05/06	14	6.44	
07SB06 (0-1)	06/29/06	06/30/06	07/05/06	14	6.43	07/05/06	14	6.43	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061735

Analytical Method: 8260B
Login Number: L0606695

AAB#: WG216612

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
EQUIPMENT RINSE-SLIDE HAMMER	06/29/06	06/30/06	07/05/06	14	6.01	07/05/06	14	6.01	
TB01	06/29/06	06/30/06	07/05/06	14	6.58	07/05/06	14	6.58	
TB02	06/29/06	06/30/06	07/05/06	14	6.60	07/05/06	14	6.60	
TB03	06/29/06	06/30/06	07/05/06	14	6.62	07/05/06	14	6.62	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061736

Analytical Method: 8260B
Login Number: L0606695

AAB#: WG216692

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
07SB02 (3-4)	06/29/06	06/30/06	07/06/06	14	7.03	07/06/06	14	7.03	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061737

Analytical Method: 8260B
Login Number: L0606695

AAB#: WG216697

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
07SB01 (0-1)	06/29/06	06/30/06	07/06/06	14	7.13	07/06/06	14	7.13	
07SB02 (0-1)	06/29/06	06/30/06	07/06/06	14	7.04	07/06/06	14	7.04	
07SB06 (3-4)	06/29/06	06/30/06	07/06/06	14	7.01	07/06/06	14	7.01	
DUP-07SB02 (0-1)	06/29/06	06/30/06	07/06/06	14	7.15	07/06/06	14	7.15	
07SB01 (0-1)MS	06/29/06	06/30/06	07/06/06	14	7.15	07/06/06	14	7.15	
07SB01 (0-1)MSD	06/29/06	06/30/06	07/06/06	14	7.17	07/06/06	14	7.17	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

00061738

Login Number: L0606695
 Instrument Id: HPMS9
 Workgroup (AAB#): WG216608

Method: 8260
 CAL ID: HPMS9 - 07-JUN-06
 Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3	4
L0606695-02	1.00	01	111	107	86.8	82.9
L0606695-04	1.00	01	117	112	89.2	85.8
L0606695-11	1.00	01	115	108	92.2	85.3
WG216608-01	1.00	01	108	108	88.8	91.5
WG216608-02	1.00	01	103	99.8	80.4	81.0
WG216608-03	1.00	01	107	105	83.5	84.8

Surrogates	Surrogate Limits		
1 - 1,2-Dichloroethane-d4	80	-	120
2 - Dibromofluoromethane	80	-	120
3 - p-Bromofluorobenzene	74	-	121
4 - Toluene-d8	81	-	117

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

00061739

Login Number: L0606695
 Instrument Id: HPMS11
 Workgroup (AAB#): WG216612

Method: 8260
 CAL ID: HPMS11 - 24-JUN-06
 Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4
L0606695-16	1.00	01	89.3	93.7	104	96.2
L0606695-18	1.00	01	90.1	95.6	105	97.6
L0606695-19	1.00	01	91.8	95.4	106	97.3
L0606695-20	1.00	01	90.1	94.8	105	96.7
WG216612-01	1.00	01	86.2	93.9	103	97.1
WG216612-02	1.00	01	87.5	94.5	101	94.8
WG216612-03	1.00	01	87.7	94.0	99.6	95.2

Surrogates	Surrogate Limits		
1 - 1,2-Dichloroethane-d4	80	-	120
2 - Dibromofluoromethane	86	-	118
3 - p-Bromofluorobenzene	86	-	115
4 - Toluene-d8	88	-	110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

00061740

Login Number: L0606695
Instrument Id: HPMS8
Workgroup (AAB#): WG216692

Method: 8260
CAL ID: HPMS8 - 22-APR-06
Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3	4
L0606695-04	50.0	DL01	107	103	98.3	95.3
WG216692-01	50.0	DL01	108	103	99.1	97.7
WG216692-02	50.0	DL01	106	104	97.0	95.2

Surrogates	Surrogate Limits		
1 - 1,2-Dichloroethane-d4	80	-	120
2 - Dibromofluoromethane	80	-	120
3 - p-Bromofluorobenzene	74	-	121
4 - Toluene-d8	81	-	117

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

00061741

Login Number: L0606695
 Instrument Id: HPMS9
 Workgroup (AAB#): WG216697

Method: 8260
 CAL ID: HPMS9 - 07-JUN-06
 Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3	4
L0606695-01	1.00	01	<u>123</u>	119	93.6	96.3
L0606695-03	1.00	01	107	105	86.0	85.7
L0606695-12	1.00	01	111	108	85.4	84.8
L0606695-13	1.00	01	112	109	86.7	85.9
L0606695-14	1.00	01	114	109	83.9	83.1
L0606695-15	1.00	01	114	106	82.5	82.6
WG216697-01	1.00	01	106	101	81.6	81.8
WG216697-02	1.00	01	103	102	81.6	<u>80.9</u>

Surrogates	Surrogate Limits		
1 - 1,2-Dichloroethane-d4	80	-	120
2 - Dibromofluoromethane	80	-	120
3 - p-Bromofluorobenzene	74	-	121
4 - Toluene-d8	81	-	117

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

METHOD BLANK SUMMARY

00061742

Login Number: L0606695
Blank File ID: 9M47050
Date Analyzed: 07/05/06
Time Analyzed: 11:05
Analyst: MES

Work Group: WG216608
Blank Sample ID: WG216608-01
Instrument ID: HPMS9
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216608-02	9M47051	07/05/06 11:36	01
LCS2	WG216608-03	9M47052	07/05/06 12:07	01
07SB01 (3-4)	L0606695-02	9M47069	07/05/06 20:50	01
07SB02 (3-4)	L0606695-04	9M47070	07/05/06 21:21	01
07SB06 (0-1)	L0606695-11	9M47071	07/05/06 21:52	01

METHOD BLANK SUMMARY

00061743

Login Number: L0606695
Blank File ID: 11M34651
Date Analyzed: 07/05/06
Time Analyzed: 10:54
Analyst: CMS

Work Group: WG216612
Blank Sample ID: WG216612-01
Instrument ID: HPMS11
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216612-02	11M34652	07/05/06 11:24	01
LCS2	WG216612-03	11M34653	07/05/06 11:55	01
EQUIPMENT RINSE-SLIDE HAMMER	L0606695-16	11M34656	07/05/06 13:26	01
TB01	L0606695-18	11M34657	07/05/06 13:57	01
TB02	L0606695-19	11M34658	07/05/06 14:28	01
TB03	L0606695-20	11M34659	07/05/06 14:58	01

METHOD BLANK SUMMARY

00061744

Login Number: L0606695 _____ Work Group: WG216692 _____
Blank File ID: 8M328462 _____ Blank Sample ID: WG216692-01 _____
Date Analyzed: 07/06/06 _____ Instrument ID: HPMS8 _____
Time Analyzed: 09:06 _____ Method: 8260B _____
Analyst: CMS _____

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216692-02	8M328463	07/06/06 09:35	DL01
07SB02 (3-4)	L0606695-04	8M328467	07/06/06 11:37	DL01
DUP	WG216692-04	8M328468	07/06/06 12:07	DL01

METHOD BLANK SUMMARY

00061745

Login Number: L0606695
Blank File ID: 9M47081
Date Analyzed: 07/06/06
Time Analyzed: 09:51
Analyst: MES

Work Group: WG216697
Blank Sample ID: WG216697-01
Instrument ID: HPMS9
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216697-02	9M47082	07/06/06 10:22	01
07SB02 (0-1)	L0606695-03	9M47084	07/06/06 11:24	01
07SB06 (3-4)	L0606695-12	9M47085	07/06/06 11:55	01
07SB01 (0-1)	L0606695-01	9M47086	07/06/06 12:26	01
07SB01 (0-1)MS	L0606695-14	9M47087	07/06/06 12:57	01
07SB01 (0-1)MSD	L0606695-15	9M47088	07/06/06 13:28	01
DUP-07SB02 (0-1)	L0606695-13	9M47089	07/06/06 13:58	01

METHOD BLANK REPORT

00061746

Login Number: L0606695 Run Date: 07/05/2006 Sample ID: WG216612-01
 Instrument ID: HPMS11 Run Time: 10:54 Prep Method: 5030B
 File ID: 11M34651 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG216612 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11 - 24-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
1,1,1-Trichloroethane	0.250	5.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	5.00	0.125	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.250	10.0	0.250	1	U
1,1,2-Trichloroethane	0.250	5.00	0.250	1	U
1,1-Dichloroethane	0.125	5.00	0.125	1	U
1,1-Dichloroethene	0.500	5.00	0.500	1	U
1,2,4-Trichlorobenzene	0.200	5.00	0.200	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	5.00	0.250	1	U
1,2-Dichlorobenzene	0.125	5.00	0.125	1	U
1,2-Dichloroethane	0.250	5.00	0.250	1	U
cis-1,2-Dichloroethene	0.250	10.0	0.250	1	U
trans-1,2-Dichloroethene	0.250	5.00	0.250	1	U
1,2-Dichloropropane	0.200	5.00	0.200	1	U
1,3-Dichlorobenzene	0.250	5.00	0.250	1	U
1,4-Dichlorobenzene	0.125	5.00	0.125	1	U
2-Butanone	2.50	10.0	2.50	1	U
2-Hexanone	2.50	10.0	2.50	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	5.00	0.125	1	U
Bromodichloromethane	0.250	5.00	0.250	1	U
Bromoform	0.500	5.00	0.500	1	U
Bromomethane	0.500	10.0	0.500	1	U
Carbon disulfide	0.500	5.00	0.500	1	U
Carbon tetrachloride	0.250	5.00	0.250	1	U
Chlorobenzene	0.125	5.00	0.125	1	U
Chloroethane	0.500	10.0	0.500	1	U
Chloroform	0.125	5.00	0.125	1	U
Chloromethane	0.250	10.0	0.250	1	U
cis-1,3-Dichloropropene	0.250	5.00	0.250	1	U
Cyclohexane	0.250	10.0	0.250	1	U
Dibromochloromethane	0.250	5.00	0.250	1	U
Dichlorodifluoromethane	0.250	10.0	0.250	1	U
Ethyl benzene	0.250	5.00	0.250	1	U
Isopropylbenzene	0.250	5.00	0.250	1	U
Methyl acetate	0.250	10.0	0.250	1	U
Methyl tert-butyl ether	0.500	5.00	0.500	1	U
Methylcyclohexane	0.250	10.0	0.250	1	U
Methylene chloride	0.250	5.00	0.321	1	J
Styrene	0.125	5.00	0.125	1	U
Tetrachloroethene	0.250	5.00	0.250	1	U

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METHOD BLANK REPORT

00061747

Login Number: L0606695 Run Date: 07/05/2006 Sample ID: WG216612-01
 Instrument ID: HPMS11 Run Time: 10:54 Prep Method: 5030B
 File ID: 11M34651 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG216612 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11 - 24-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Toluene	0.250	5.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	5.00	0.500	1	U
Trichloroethene	0.250	5.00	0.250	1	U
Trichlorofluoromethane	0.250	10.0	0.250	1	U
Vinyl chloride	0.250	10.0	0.250	1	U
Xylenes, Total	0.500	5.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
1,2-Dichloroethane-d4	86.2	80 - 120	PASS
Dibromofluoromethane	93.9	86 - 118	PASS
p-Bromofluorobenzene	103	86 - 115	PASS
Toluene-d8	97.1	88 - 110	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

METHOD BLANK REPORT

00061748

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216692-01
 Instrument ID: HPMS8 Run Time: 09:06 Prep Method: 5030B
 File ID: 8M328462 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG216692 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS8 - 22-APR-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
1,1,1-Trichloroethane	50.0	500	50.0	50	U
1,1,2,2-Tetrachloroethane	50.0	500	50.0	50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.0	1000	50.0	50	U
1,1,2-Trichloroethane	50.0	500	50.0	50	U
1,1-Dichloroethane	100	500	100	50	U
1,1-Dichloroethene	50.0	500	50.0	50	U
1,2,4-Trichlorobenzene	50.0	500	50.0	50	U
1,2-Dibromo-3-chloropropane	200	500	200	50	U
1,2-Dibromoethane	50.0	500	50.0	50	U
1,2-Dichlorobenzene	50.0	500	50.0	50	U
1,2-Dichloroethane	50.0	500	50.0	50	U
cis-1,2-Dichloroethene	50.0	500	50.0	50	U
trans-1,2-Dichloroethene	50.0	500	50.0	50	U
1,2-Dichloropropane	50.0	500	50.0	50	U
1,3-Dichlorobenzene	50.0	500	50.0	50	U
1,4-Dichlorobenzene	50.0	500	50.0	50	U
2-Butanone	250	1000	250	50	U
2-Hexanone	250	1000	250	50	U
4-Methyl-2-pentanone	250	1000	250	50	U
Acetone	500	1000	500	50	U
Benzene	50.0	500	50.0	50	U
Bromodichloromethane	50.0	500	50.0	50	U
Bromoform	50.0	500	50.0	50	U
Bromomethane	100	1000	100	50	U
Carbon disulfide	50.0	500	50.0	50	U
Carbon tetrachloride	50.0	500	50.0	50	U
Chlorobenzene	50.0	500	50.0	50	U
Chloroethane	100	1000	100	50	U
Chloroform	50.0	500	50.0	50	U
Chloromethane	200	1000	200	50	U
cis-1,3-Dichloropropene	50.0	500	50.0	50	U
Cyclohexane	50.0	1000	50.0	50	U
Dibromochloromethane	50.0	500	50.0	50	U
Dichlorodifluoromethane	25.0	1000	25.0	50	U
Ethyl benzene	50.0	500	50.0	50	U
Isopropylbenzene	50.0	500	50.0	50	U
Methyl acetate	100	1000	100	50	U
Methyl tert-butyl ether	100	500	100	50	U
Methylcyclohexane	100	1000	100	50	U
Methylene chloride	100	500	100	50	U
Styrene	50.0	500	50.0	50	U
Tetrachloroethene	50.0	500	50.0	50	U

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METHOD BLANK REPORT

00061749

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216692-01
 Instrument ID: HPMS8 Run Time: 09:06 Prep Method: 5030B
 File ID: 8M328462 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG216692 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS8 - 22-APR-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Toluene	50.0	500	50.0	50	U
trans-1,3-Dichloropropene	50.0	500	50.0	50	U
Trichloroethene	50.0	500	50.0	50	U
Trichlorofluoromethane	25.0	1000	25.0	50	U
Vinyl chloride	100	1000	100	50	U
Xylenes, Total	50.0	500	50.0	50	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
1,2-Dichloroethane-d4	108	80 - 120	PASS
Dibromofluoromethane	103	80 - 120	PASS
p-Bromofluorobenzene	99.1	74 - 121	PASS
Toluene-d8	97.7	81 - 117	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

METHOD BLANK REPORT

00061750

Login Number: L0606695 Run Date: 07/05/2006 Sample ID: WG216608-01
 Instrument ID: HPMS9 Run Time: 11:05 Prep Method: 5030B
 File ID: 9M47050 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG216608 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS9-07-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
1,1,1-Trichloroethane	0.500	5.00	0.500	1	U
1,1,2,2-Tetrachloroethane	0.500	5.00	0.500	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.500	10.0	0.500	1	U
1,1,2-Trichloroethane	0.500	5.00	0.500	1	U
1,1-Dichloroethane	1.00	5.00	1.00	1	U
1,1-Dichloroethene	0.500	5.00	0.500	1	U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	1	U
1,2-Dibromo-3-chloropropane	2.00	5.00	2.00	1	U
1,2-Dibromoethane	0.500	5.00	0.500	1	U
1,2-Dichlorobenzene	0.500	5.00	0.500	1	U
1,2-Dichloroethane	0.500	5.00	0.500	1	U
cis-1,2-Dichloroethene	0.500	5.00	0.500	1	U
trans-1,2-Dichloroethene	0.500	5.00	0.500	1	U
1,2-Dichloropropane	0.500	5.00	0.500	1	U
1,3-Dichlorobenzene	0.500	5.00	0.500	1	U
1,4-Dichlorobenzene	0.500	5.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
2-Hexanone	2.50	10.0	2.50	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Acetone	5.00	10.0	5.00	1	U
Benzene	0.500	5.00	0.500	1	U
Bromodichloromethane	0.500	5.00	0.500	1	U
Bromoform	0.500	5.00	0.500	1	U
Bromomethane	1.00	10.0	1.00	1	U
Carbon disulfide	0.500	5.00	0.500	1	U
Carbon tetrachloride	0.500	5.00	0.500	1	U
Chlorobenzene	0.500	5.00	0.500	1	U
Chloroethane	1.00	10.0	1.00	1	U
Chloroform	0.500	5.00	0.500	1	U
Chloromethane	2.00	10.0	2.00	1	U
cis-1,3-Dichloropropene	0.500	5.00	0.500	1	U
Cyclohexane	0.500	10.0	0.500	1	U
Dibromochloromethane	0.500	5.00	0.500	1	U
Dichlorodifluoromethane	0.250	10.0	0.250	1	U
Ethyl benzene	0.500	5.00	0.500	1	U
Isopropylbenzene	0.500	5.00	0.500	1	U
Methyl acetate	1.00	10.0	1.00	1	U
Methyl tert-butyl ether	1.00	5.00	1.00	1	U
Methylcyclohexane	1.00	10.0	1.00	1	U
Methylene chloride	1.00	5.00	1.00	1	U
Styrene	0.500	5.00	0.500	1	U
Tetrachloroethene	0.500	5.00	0.500	1	U

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METHOD BLANK REPORT

00061751

Login Number: L0606695 Run Date: 07/05/2006 Sample ID: WG216608-01
 Instrument ID: HPMS9 Run Time: 11:05 Prep Method: 5030B
 File ID: 9M47050 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG216608 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS9 - 07-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Toluene	0.500	5.00	0.500	1	U
trans-1,3-Dichloropropene	0.500	5.00	0.500	1	U
Trichloroethene	0.500	5.00	0.500	1	U
Trichlorofluoromethane	0.250	10.0	0.250	1	U
Vinyl chloride	1.00	10.0	1.00	1	U
Xylenes, Total	0.500	5.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
1,2-Dichloroethane-d4	108	80 - 120	PASS
Dibromofluoromethane	108	80 - 120	PASS
p-Bromofluorobenzene	88.8	74 - 121	PASS
Toluene-d8	91.5	81 - 117	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

METHOD BLANK REPORT

00061752

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216697-01
 Instrument ID: HPMS9 Run Time: 09:51 Prep Method: 5030B
 File ID: 9M47081 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG216697 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS9-07-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
1,1,1-Trichloroethane	0.500	5.00	0.500	1	U
1,1,2,2-Tetrachloroethane	0.500	5.00	0.500	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.500	10.0	0.500	1	U
1,1,2-Trichloroethane	0.500	5.00	0.500	1	U
1,1-Dichloroethane	1.00	5.00	1.00	1	U
1,1-Dichloroethene	0.500	5.00	0.500	1	U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	1	U
1,2-Dibromo-3-chloropropane	2.00	5.00	2.00	1	U
1,2-Dibromoethane	0.500	5.00	0.500	1	U
1,2-Dichlorobenzene	0.500	5.00	0.500	1	U
1,2-Dichloroethane	0.500	5.00	0.500	1	U
cis-1,2-Dichloroethene	0.500	5.00	0.500	1	U
trans-1,2-Dichloroethene	0.500	5.00	0.500	1	U
1,2-Dichloropropane	0.500	5.00	0.500	1	U
1,3-Dichlorobenzene	0.500	5.00	0.500	1	U
1,4-Dichlorobenzene	0.500	5.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
2-Hexanone	2.50	10.0	2.50	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Acetone	5.00	10.0	5.00	1	U
Benzene	0.500	5.00	0.500	1	U
Bromodichloromethane	0.500	5.00	0.500	1	U
Bromoform	0.500	5.00	0.500	1	U
Bromomethane	1.00	10.0	1.00	1	U
Carbon disulfide	0.500	5.00	0.500	1	U
Carbon tetrachloride	0.500	5.00	0.500	1	U
Chlorobenzene	0.500	5.00	0.500	1	U
Chloroethane	1.00	10.0	1.00	1	U
Chloroform	0.500	5.00	0.500	1	U
Chloromethane	2.00	10.0	2.00	1	U
cis-1,3-Dichloropropene	0.500	5.00	0.500	1	U
Cyclohexane	0.500	10.0	0.500	1	U
Dibromochloromethane	0.500	5.00	0.500	1	U
Dichlorodifluoromethane	0.250	10.0	0.250	1	U
Ethyl benzene	0.500	5.00	0.500	1	U
Isopropylbenzene	0.500	5.00	0.500	1	U
Methyl acetate	1.00	10.0	1.00	1	U
Methyl tert-butyl ether	1.00	5.00	1.00	1	U
Methylcyclohexane	1.00	10.0	1.00	1	U
Methylene chloride	1.00	5.00	1.00	1	U
Styrene	0.500	5.00	0.500	1	U
Tetrachloroethene	0.500	5.00	0.500	1	U

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METHOD BLANK REPORT

00061753

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216697-01
 Instrument ID: HPMS9 Run Time: 09:51 Prep Method: 5030B
 File ID: 9M47081 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG216697 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS9 - 07-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Toluene	0.500	5.00	0.500	1	U
trans-1,3-Dichloropropene	0.500	5.00	0.500	1	U
Trichloroethene	0.500	5.00	0.500	1	U
Trichlorofluoromethane	0.250	10.0	0.250	1	U
Vinyl chloride	1.00	10.0	1.00	1	U
Xylenes, Total	0.500	5.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
1,2-Dichloroethane-d4	106	80 - 120	PASS
Dibromofluoromethane	101	80 - 120	PASS
p-Bromofluorobenzene	81.6	74 - 121	PASS
Toluene-d8	81.8	81 - 117	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

LABORATORY CONTROL SAMPLE (LCS)

00061754

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216692-02
 Instrument ID: HPMS8 Run Time: 09:35 Prep Method: 5030B
 File ID: 8M328463 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG216692 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS8 - 22-APR-06

Analytes	Expected	Found	% Rec	LCS Limits			Q
1,1,1-Trichloroethane	2000	2440	122	70	-	135	
1,1,2,2-Tetrachloroethane	2000	2160	108	55	-	130	
1,1,2-Trichloro-1,2,2-Trifluoroethane	2000	2180	109	70	-	130	
1,1,2-Trichloroethane	2000	2260	113	60	-	125	
1,1-Dichloroethane	2000	2330	116	75	-	125	
1,1-Dichloroethene	2000	2300	115	65	-	135	
1,2,4-Trichlorobenzene	2000	2080	104	65	-	130	
1,2-Dibromo-3-chloropropane	2000	2120	106	40	-	135	
1,2-Dibromoethane	2000	2180	109	69	-	130	
1,2-Dichlorobenzene	2000	2160	108	70	-	130	
1,2-Dichloroethane	2000	2540	127	63	-	133	
cis-1,2-Dichloroethene	2000	2270	114	65	-	135	
trans-1,2-Dichloroethene	2000	2240	112	65	-	139	
1,2-Dichloropropane	2000	2330	116	70	-	130	
1,3-Dichlorobenzene	2000	2130	107	70	-	130	
1,4-Dichlorobenzene	2000	2140	107	70	-	130	
2-Butanone	2000	2540	127	37	-	172	
2-Hexanone	2000	2110	106	45	-	145	
4-Methyl-2-pentanone	2000	2420	121	47	-	146	
Acetone	2000	2460	123	20	-	160	
Benzene	2000	2200	110	70	-	139	
Bromodichloromethane	2000	2480	124	72	-	137	
Bromoform	2000	2250	112	49	-	136	
Bromomethane	2000	1870	93.6	37	-	143	
Carbon disulfide	2000	2070	103	39	-	139	
Carbon tetrachloride	2000	2430	122	59	-	136	
Chlorobenzene	2000	2190	109	70	-	130	
Chloroethane	2000	2040	102	52	-	135	
Chloroform	2000	2360	118	74	-	129	
Chloromethane	2000	1880	94.0	30	-	131	
cis-1,3-Dichloropropene	2000	2420	121	70	-	142	
Cyclohexane	2000	2260	113	70	-	130	
Dibromochloromethane	2000	2350	117	59	-	136	
Dichlorodifluoromethane	2000	889	44.5	25	-	130	
Ethyl benzene	2000	2220	111	70	-	130	
Isopropylbenzene	2000	2130	106	68	-	129	
Methyl acetate	2000	2280	114	70	-	130	
Methyl tert-butyl ether	2000	2520	126	54	-	151	
Methylcyclohexane	2000	2350	118	70	-	130	
Methylene chloride	2000	2090	104	74	-	128	
Styrene	2000	2320	116	74	-	130	

LABORATORY CONTROL SAMPLE (LCS)

00061755

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216692-02
 Instrument ID: HPMS8 Run Time: 09:35 Prep Method: 5030B
 File ID: 8M328463 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG216692 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS8 - 22-APR-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Tetrachloroethene	2000	2080	104	72 - 130	
Toluene	2000	2070	104	77 - 126	
trans-1,3-Dichloropropene	2000	2140	107	56 - 135	
Trichloroethene	2000	2280	114	72 - 126	
Trichlorofluoromethane	2000	2110	106	48 - 154	
Vinyl chloride	2000	1700	85.2	25 - 130	
Xylenes, Total	6000	6710	112	70 - 130	

Surrogates	% Recovery	Surrogate Limits	Qualifier
1,2-Dichloroethane-d4	106	80 - 120	PASS
Dibromofluoromethane	104	80 - 120	PASS
p-Bromofluorobenzene	97.0	74 - 121	PASS
Toluene-d8	95.2	81 - 117	PASS

* FAILS %REC LIMIT

LABORATORY CONTROL SAMPLE (LCS)

00061756

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216697-02
 Instrument ID: HPMS9 Run Time: 10:22 Prep Method: 5030B
 File ID: 9M47082 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG216697 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS9 - 07-JUN-06

Analytes	Expected	Found	% Rec	LCS Limits			Q
1,1,1-Trichloroethane	20.0	25.0	125	70	-	135	
1,1,2,2-Tetrachloroethane	20.0	16.0	80.0	55	-	130	
1,1,2-Trichloro-1,2,2-Trifluoroethane	20.0	23.3	116	70	-	130	
1,1,2-Trichloroethane	20.0	17.5	87.4	60	-	125	
1,1-Dichloroethane	20.0	22.2	111	75	-	125	
1,1-Dichloroethene	20.0	21.2	106	65	-	135	
1,2,4-Trichlorobenzene	20.0	15.6	78.1	65	-	130	
1,2-Dibromo-3-chloropropane	20.0	14.7	73.3	40	-	135	
1,2-Dibromoethane	20.0	16.9	84.3	69	-	130	
1,2-Dichlorobenzene	20.0	16.7	83.6	70	-	130	
1,2-Dichloroethane	20.0	23.2	116	63	-	133	
cis-1,2-Dichloroethene	20.0	22.3	111	65	-	135	
trans-1,2-Dichloroethene	20.0	21.3	107	65	-	139	
1,2-Dichloropropane	20.0	22.1	111	70	-	130	
1,3-Dichlorobenzene	20.0	16.7	83.7	70	-	130	
1,4-Dichlorobenzene	20.0	16.7	83.4	70	-	130	
2-Butanone	20.0	19.1	95.4	37	-	172	
2-Hexanone	20.0	14.1	70.6	45	-	145	
4-Methyl-2-pentanone	20.0	19.2	96.2	47	-	146	
Acetone	20.0	19.5	97.6	20	-	160	
Benzene	20.0	22.1	111	70	-	139	
Bromodichloromethane	20.0	24.9	125	72	-	137	
Bromoform	20.0	18.8	93.8	49	-	136	
Bromomethane	20.0	23.5	118	37	-	143	
Carbon disulfide	20.0	22.6	113	39	-	139	
Carbon tetrachloride	20.0	25.9	129	59	-	136	
Chlorobenzene	20.0	17.6	88.0	70	-	130	
Chloroethane	20.0	22.1	111	52	-	135	
Chloroform	20.0	23.7	118	74	-	129	
Chloromethane	20.0	18.5	92.3	30	-	131	
cis-1,3-Dichloropropene	20.0	22.3	112	70	-	142	
Cyclohexane	20.0	22.0	110	70	-	130	
Dibromochloromethane	20.0	19.0	94.8	59	-	136	
Dichlorodifluoromethane	20.0	13.2	66.2	25	-	130	
Ethyl benzene	20.0	18.7	93.5	70	-	130	
Isopropylbenzene	20.0	17.1	85.7	68	-	129	
Methyl acetate	20.0	16.9	84.7	70	-	130	
Methyl tert-butyl ether	20.0	20.6	103	54	-	151	
Methylcyclohexane	20.0	23.1	116	70	-	130	
Methylene chloride	20.0	21.1	106	74	-	128	
Styrene	20.0	18.7	93.6	74	-	130	

LABORATORY CONTROL SAMPLE (LCS)

00061757

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216697-02
 Instrument ID: HPMS9 Run Time: 10:22 Prep Method: 5030B
 File ID: 9M47082 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG216697 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS9 - 07-JUN-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Tetrachloroethene	20.0	18.4	91.9	72 - 130	
Toluene	20.0	18.0	89.9	77 - 126	
trans-1,3-Dichloropropene	20.0	16.4	82.1	56 - 135	
Trichloroethene	20.0	22.4	112	72 - 126	
Trichlorofluoromethane	20.0	22.3	112	48 - 154	
Vinyl chloride	20.0	21.7	108	25 - 130	
Xylenes, Total	60.0	55.8	92.9	70 - 130	

Surrogates	% Recovery	Surrogate Limits	Qualifier
1,2-Dichloroethane-d4	103	80 - 120	PASS
Dibromofluoromethane	102	80 - 120	PASS
p-Bromofluorobenzene	81.6	74 - 121	PASS
Toluene-d8	80.9	81 - 117	FAIL

* FAILS %REC LIMIT

KEMRON Environmental Services
LABORATORY CONTROL SAMPLE (LCS)

00061758

Login Number: L0606695 **Analyst:** MES **Prep Method:** 5030B
Instrument ID: HPMS9 **Matrix:** Soil **Method:** 8260B
Workgroup (AAB#): WG216608 **Units:** ug/kg
Sample ID: WG216608-02 LCS **File ID:** 9M47051 **Run Date:** 07/05/2006 11:36
Sample ID: WG216608-03 LCS2 **File ID:** 9M47052 **Run Date:** 07/05/2006 12:07

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
1,1,1-Trichloroethane	20.0	23.9	120	20.0	21.6	108	10.3	70 - 135	30	
1,1,2,2-Tetrachloroethane	20.0	16.4	82.2	20.0	15.1	75.7	8.14	55 - 130	30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	20.0	22.7	114	20.0	20.2	101	11.9	70 - 130	30	
1,1,2-Trichloroethane	20.0	17.7	88.7	20.0	16.7	83.6	5.84	60 - 125	30	
1,1-Dichloroethane	20.0	21.4	107	20.0	19.9	99.7	7.14	75 - 125	30	
1,1-Dichloroethene	20.0	21.1	106	20.0	19.1	95.3	10.3	65 - 135	30	
1,2,4-Trichlorobenzene	20.0	15.8	78.8	20.0	14.1	70.4	11.3	65 - 130	30	
1,2-Dibromo-3-chloropropane	20.0	16.1	80.4	20.0	14.3	71.6	11.5	40 - 135	30	
1,2-Dibromoethane	20.0	17.6	88.2	20.0	16.3	81.6	7.78	69 - 130	30	
1,2-Dichlorobenzene	20.0	16.4	81.9	20.0	14.7	73.5	10.8	70 - 130	30	
1,2-Dichloroethane	20.0	22.7	113	20.0	20.9	105	7.86	63 - 133	30	
cis-1,2-Dichloroethene	20.0	21.6	108	20.0	19.8	99.2	8.60	65 - 135	30	
trans-1,2-Dichloroethene	20.0	21.0	105	20.0	19.0	95.1	9.98	65 - 139	30	
1,2-Dichloropropane	20.0	21.2	106	20.0	19.5	97.7	8.22	70 - 130	30	
1,3-Dichlorobenzene	20.0	16.2	81.0	20.0	14.3	71.3	12.8	70 - 130	30	
1,4-Dichlorobenzene	20.0	16.3	81.6	20.0	14.6	72.8	11.5	70 - 130	30	
2-Butanone	20.0	21.6	108	20.0	20.1	100	7.44	37 - 172	30	
2-Hexanone	20.0	15.9	79.7	20.0	15.6	77.9	2.33	45 - 145	30	
4-Methyl-2-pentanone	20.0	21.2	106	20.0	20.8	104	1.96	47 - 146	30	
Acetone	20.0	23.6	118	20.0	20.4	102	14.5	20 - 160	30	
Benzene	20.0	21.3	106	20.0	19.6	97.9	8.37	70 - 139	30	
Bromodichloromethane	20.0	23.7	118	20.0	21.7	109	8.70	72 - 137	30	
Bromoform	20.0	18.9	94.3	20.0	17.6	87.8	7.19	49 - 136	30	
Bromomethane	20.0	23.5	117	20.0	22.3	111	5.17	37 - 143	30	
Carbon disulfide	20.0	22.7	113	20.0	20.5	103	9.96	39 - 139	30	
Carbon tetrachloride	20.0	24.9	125	20.0	22.2	111	11.7	59 - 136	30	
Chlorobenzene	20.0	17.4	87.2	20.0	15.9	79.5	9.22	70 - 130	30	
Chloroethane	20.0	21.6	108	20.0	20.1	100	7.20	52 - 135	30	
Chloroform	20.0	22.6	113	20.0	20.5	103	9.74	74 - 129	30	
Chloromethane	20.0	18.7	93.5	20.0	17.1	85.5	9.00	30 - 131	30	
cis-1,3-Dichloropropene	20.0	22.0	110	20.0	20.3	101	8.15	70 - 142	30	
Cyclohexane	20.0	22.1	110	20.0	19.4	97.1	12.8	70 - 130	30	
Dibromochloromethane	20.0	18.7	93.5	20.0	17.2	85.8	8.64	59 - 136	30	
Dichlorodifluoromethane	20.0	13.5	67.4	20.0	12.3	61.5	9.16	25 - 130	30	
Ethyl benzene	20.0	18.7	93.6	20.0	16.8	84.2	10.6	70 - 130	30	
Isopropylbenzene	20.0	17.1	85.4	20.0	15.4	76.8	10.6	68 - 129	30	
Methyl acetate	20.0	18.9	94.6	20.0	17.5	87.6	7.77	70 - 130	30	
Methyl tert-butyl ether	20.0	21.8	109	20.0	20.0	100	8.76	54 - 151	30	
Methylcyclohexane	20.0	23.2	116	20.0	20.5	102	12.3	70 - 130	30	
Methylene chloride	20.0	20.7	103	20.0	19.0	95.2	8.21	74 - 128	30	
Styrene	20.0	18.1	90.7	20.0	16.6	82.9	8.99	74 - 130	30	
Tetrachloroethene	20.0	18.4	92.2	20.0	16.4	82.0	11.7	72 - 130	30	

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 Report generated 07/11/2006 08:18

LABORATORY CONTROL SAMPLE (LCS)

00061759

Login Number: L0606695 Analyst: MES Prep Method: 5030B
 Instrument ID: HPMS9 Matrix: Soil Method: 8260B
 Workgroup (AAB#): WG216608 Units: ug/kg
 Sample ID: WG216608-02 LCS File ID: 9M47051 Run Date: 07/05/2006 11:36
 Sample ID: WG216608-03 LCS2 File ID: 9M47052 Run Date: 07/05/2006 12:07

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Toluene	20.0	17.8	89.0	20.0	16.2	80.9	9.52	77 - 126	30	
trans-1,3-Dichloropropene	20.0	16.7	83.3	20.0	15.3	76.7	8.22	56 - 135	30	
Trichloroethene	20.0	22.1	110	20.0	20.1	100	9.35	72 - 126	30	
Trichlorofluoromethane	20.0	21.7	108	20.0	19.7	98.7	9.38	48 - 154	30	
Vinyl chloride	20.0	21.5	108	20.0	20.2	101	6.08	25 - 130	30	
Xylenes, Total	60.0	55.5	92.5	60.0	50.1	83.5	10.3	70 - 130	30	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	99.8	105	80 - 120	PASS
1,2-Dichloroethane-d4	103	107	80 - 120	PASS
Toluene-d8	81.0	84.8	81 - 117	PASS
p-Bromofluorobenzene	80.4	83.5	74 - 121	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON Environmental Services
LABORATORY CONTROL SAMPLE (LCS)

00061760

Login Number: L0606695 **Analyst:** CMS **Prep Method:** 5030B
Instrument ID: HPMS11 **Matrix:** Water **Method:** 8260B
Workgroup (AAB#): WG216612 **Units:** ug/L
Sample ID: WG216612-02 LCS **File ID:** 11M34652 **Run Date:** 07/05/2006 11:24
Sample ID: WG216612-03 LCS2 **File ID:** 11M34653 **Run Date:** 07/05/2006 11:55

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
1,1,1-Trichloroethane	20.0	21.5	107	20.0	20.6	103	4.23	80 - 134	20	
1,1,2,2-Tetrachloroethane	20.0	20.4	102	20.0	20.1	101	1.37	79 - 125	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	20.0	22.5	113	20.0	22.0	110	2.52	80 - 130	20	
1,1,2-Trichloroethane	20.0	21.5	108	20.0	20.9	105	2.89	80 - 125	20	
1,1-Dichloroethane	20.0	21.1	105	20.0	20.3	102	3.74	80 - 125	20	
1,1-Dichloroethene	20.0	21.6	108	20.0	20.7	104	4.29	80 - 132	20	
1,2,4-Trichlorobenzene	20.0	17.5	87.6	20.0	17.2	86.1	1.79	65 - 135	20	
1,2-Dibromo-3-chloropropane	20.0	16.7	83.3	20.0	17.2	86.2	3.44	50 - 130	20	
1,2-Dibromoethane	20.0	20.1	100	20.0	20.5	103	2.15	80 - 125	20	
1,2-Dichlorobenzene	20.0	19.5	97.3	20.0	19.3	96.4	0.876	80 - 125	20	
1,2-Dichloroethane	20.0	20.9	104	20.0	20.4	102	2.51	80 - 129	20	
cis-1,2-Dichloroethene	20.0	21.4	107	20.0	21.0	105	2.22	70 - 125	20	
trans-1,2-Dichloroethene	20.0	21.4	107	20.0	20.9	104	2.52	80 - 127	20	
1,2-Dichloropropane	20.0	20.2	101	20.0	19.7	98.5	2.32	80 - 120	20	
1,3-Dichlorobenzene	20.0	19.9	99.6	20.0	19.4	97.2	2.46	80 - 120	20	
1,4-Dichlorobenzene	20.0	19.9	99.6	20.0	19.6	97.9	1.73	80 - 120	20	
2-Butanone	20.0	17.2	85.8	20.0	17.9	89.6	4.31	30 - 150	20	
2-Hexanone	20.0	16.5	82.5	20.0	16.8	84.2	2.06	55 - 130	20	
4-Methyl-2-pentanone	20.0	17.0	85.2	20.0	17.5	87.7	2.92	64 - 140	20	
Acetone	20.0	18.0	89.8	20.0	17.5	87.6	2.48	40 - 142	20	
Benzene	20.0	20.1	101	20.0	19.7	98.7	2.08	80 - 121	20	
Bromodichloromethane	20.0	20.7	104	20.0	20.6	103	0.842	80 - 131	20	
Bromoform	20.0	16.4	82.1	20.0	16.2	81.1	1.15	70 - 130	20	
Bromomethane	20.0	15.2	75.9	20.0	15.3	76.5	0.740	30 - 145	20	
Carbon disulfide	20.0	21.9	109	20.0	21.0	105	3.94	58 - 138	20	
Carbon tetrachloride	20.0	22.1	110	20.0	21.4	107	3.06	65 - 140	20	
Chlorobenzene	20.0	21.2	106	20.0	20.3	101	4.55	80 - 120	20	
Chloroethane	20.0	18.4	92.2	20.0	17.8	88.9	3.58	60 - 135	20	
Chloroform	20.0	21.0	105	20.0	20.2	101	3.59	80 - 125	20	
Chloromethane	20.0	15.8	79.1	20.0	14.6	73.1	7.92	40 - 125	20	
cis-1,3-Dichloropropene	20.0	19.9	99.3	20.0	19.9	99.4	0.0544	70 - 130	20	
Cyclohexane	20.0	20.1	100	20.0	19.1	95.4	5.20	80 - 130	20	
Dibromochloromethane	20.0	21.6	108	20.0	21.1	106	2.06	60 - 135	20	
Dichlorodifluoromethane	20.0	12.3	61.3	20.0	11.5	57.6	6.21	50 - 133	20	
Ethyl benzene	20.0	22.7	113	20.0	21.6	108	4.90	80 - 122	20	
Isopropylbenzene	20.0	19.0	94.9	20.0	18.2	90.8	4.46	80 - 122	20	
Methyl acetate	20.0	21.2	106	20.0	21.9	110	3.45	80 - 130	20	
Methyl tert-butyl ether	20.0	22.3	111	20.0	22.5	112	0.744	65 - 125	20	
Methylcyclohexane	20.0	20.0	99.9	20.0	19.2	96.1	3.82	80 - 130	20	
Methylene chloride	20.0	19.0	94.8	20.0	18.8	94.1	0.729	80 - 123	20	
Styrene	20.0	21.5	108	20.0	21.0	105	2.46	80 - 123	20	
Tetrachloroethene	20.0	19.8	99.2	20.0	19.0	94.8	4.52	80 - 124	20	

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LABORATORY CONTROL SAMPLE (LCS)

00061761

Login Number: L0606695 Analyst: CMS Prep Method: 5030B
 Instrument ID: HPMS11 Matrix: Water Method: 8260B
 Workgroup (AAB#): WG216612 Units: ug/L
 Sample ID: WG216612-02 LCS File ID: 11M34652 Run Date: 07/05/2006 11:24
 Sample ID: WG216612-03 LCS2 File ID: 11M34653 Run Date: 07/05/2006 11:55

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Toluene	20.0	20.7	103	20.0	19.7	98.7	4.76	80 - 124	20	
trans-1,3-Dichloropropene	20.0	18.7	93.4	20.0	18.2	90.9	2.77	80 - 130	20	
Trichloroethene	20.0	21.1	106	20.0	20.5	102	3.13	80 - 122	20	
Trichlorofluoromethane	20.0	18.7	93.5	20.0	17.9	89.5	4.33	62 - 151	20	
Vinyl chloride	20.0	23.4	117	20.0	20.9	105	10.9	65 - 140	20	
Xylenes, Total	60.0	63.8	106	60.0	61.5	103	3.58	80 - 121	20	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	94.5	94.0	86 - 118	PASS
1,2-Dichloroethane-d4	87.5	87.7	80 - 120	PASS
Toluene-d8	94.8	95.2	88 - 110	PASS
p-Bromofluorobenzene	101	99.6	86 - 115	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS/MSD REPORT

Loginnum: L0606695

Cal ID: HPMS9 - 07-JUN-06

00061762
WORKNUM: 06216607

Instrument ID: HPMS9

Contract #: DACA56-94-D-0020

Prep Method: 5030B

Parent ID: L0606695-01

File ID: 9M47086

Dil: 1

Method: 8260B

Sample ID: L0606695-14 MS

File ID: 9M47087

Dil: 1

Matrix: Soil

Sample ID: L0606695-15 MSD

File ID: 9M47088

Dil: 1

Units: ug/kg

Percent Solid: 90.1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
1,1,1-Trichloroethane	1.20	18.0	23.2	122	41.1	52.4	125	77.2	70 - 135	30	#
1,1,2,2-Tetrachloroethane	ND	18.0	14.4	79.9	41.1	35.4	86.1	84.5	55 - 130	30	#
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	18.0	20.5	114	41.1	45.2	110	75.3	70 - 130	30	#
1,1,2-Trichloroethane	ND	18.0	16.2	89.8	41.1	38.4	93.4	81.5	60 - 125	30	#
1,1-Dichloroethane	3.33	18.0	22.2	105	41.1	46.7	106	71.2	75 - 125	30	#
1,1-Dichloroethene	ND	18.0	18.4	102	41.1	43.6	106	81.4	65 - 135	30	#
1,2,4-Trichlorobenzene	ND	18.0	10.7	59.5	41.1	24.2	58.7	77.2	65 - 130	30	*
1,2-Dibromo-3-chloropropane	ND	18.0	12.2	67.7	41.1	33.5	81.5	93.3	40 - 135	30	#
1,2-Dibromoethane	ND	18.0	14.7	81.8	41.1	37.2	90.5	86.7	69 - 130	30	#
1,2-Dichlorobenzene	ND	18.0	13.4	74.3	41.1	30.3	73.6	77.4	70 - 130	30	#
1,2-Dichloroethane	ND	18.0	21.5	119	41.1	51.7	126	82.5	63 - 130	30	#
cis-1,2-Dichloroethene	ND	18.0	19.2	107	41.1	45.4	110	81.0	65 - 135	30	#
trans-1,2-Dichloroethene	ND	18.0	18.8	104	41.1	45.0	110	82.2	65 - 139	30	#
1,2-Dichloropropane	ND	18.0	19.0	106	41.1	45.3	110	81.7	70 - 130	30	#
1,3-Dichlorobenzene	ND	18.0	13.1	72.5	41.1	29.8	72.5	78.2	70 - 130	30	#
1,4-Dichlorobenzene	ND	18.0	13.2	73.2	41.1	29.6	72.1	77.0	70 - 130	30	#
2-Butanone	ND	18.0	16.9	93.6	41.1	44.9	109	90.8	37 - 172	30	#
2-Hexanone	ND	18.0	12.6	69.8	41.1	32.5	78.9	88.4	45 - 145	30	#
4-Methyl-2-pentanone	ND	18.0	16.8	93.3	41.1	43.8	107	89.2	47 - 146	30	#
Acetone	ND	18.0	19.1	106	41.1	67.2	163	111	20 - 160	30	*
Benzene	ND	18.0	19.0	105	41.1	45.2	110	81.8	70 - 139	30	#
Bromodichloromethane	ND	18.0	22.4	125	41.1	53.1	129	81.2	72 - 137	30	#
Bromoform	ND	18.0	16.8	93.3	41.1	40.6	98.6	82.9	49 - 136	30	#
Bromomethane	ND	18.0	21.8	121	41.1	51.0	124	80.4	37 - 143	30	#
Carbon disulfide	ND	18.0	19.6	109	41.1	45.1	110	78.9	39 - 139	30	#
Carbon tetrachloride	ND	18.0	23.3	130	41.1	53.9	131	79.2	59 - 136	30	#
Chlorobenzene	ND	18.0	15.1	84.0	41.1	35.2	85.6	79.8	70 - 130	30	#
Chloroethane	ND	18.0	19.2	107	41.1	45.1	110	80.6	52 - 135	30	#
Chloroform	ND	18.0	21.0	117	41.1	49.4	120	80.7	74 - 129	30	#
Chloromethane	ND	18.0	16.6	92.1	41.1	38.8	94.4	80.3	30 - 131	30	#
cis-1,3-Dichloropropene	ND	18.0	18.8	104	41.1	44.9	109	82.0	70 - 142	30	#
Cyclohexane	ND	18.0	18.6	103	41.1	42.5	103	78.2	70 - 130	30	#
Dibromochloromethane	ND	18.0	17.0	94.3	41.1	40.7	98.8	82.2	59 - 136	30	#
Dichlorodifluoromethane	ND	18.0	12.3	68.2	41.1	28.3	68.9	79.1	25 - 130	30	#
Ethyl benzene	ND	18.0	15.9	88.2	41.1	37.5	91.1	80.9	70 - 130	30	#
Isopropylbenzene	ND	18.0	14.2	78.7	41.1	33.3	81.0	80.7	68 - 129	30	#
Methyl acetate	ND	18.0	17.1	95.2	41.1	45.0	109	89.6	70 - 130	30	#
Methyl tert-butyl ether	ND	18.0	17.7	98.6	41.1	42.9	104	82.9	54 - 151	30	#
Methylcyclohexane	ND	18.0	19.6	109	41.1	43.0	105	74.9	70 - 130	30	#
Methylene chloride	ND	18.0	18.2	101	41.1	42.5	103	80.1	74 - 128	30	#
Styrene	ND	18.0	15.6	86.9	41.1	36.0	87.5	78.8	74 - 130	30	#

KEMRON FORMS - Modified 06/02/2006
Version 1.5 PDF File ID: 511336
Report generated 07/11/2006 09:29

MS/MSD REPORT

Loginnum: L0606695 Cal ID: HPMS9 07-JUN-06 Worknum: 00061763
 Instrument ID: HPMS9 Contract #: DACA56-94-D-0020 Prep Method: 5030B
 Parent ID: L0606695-01 File ID: 9M47086 Dil: 1 Method: 8260B
 Sample ID: L0606695-14 MS File ID: 9M47087 Dil: 1 Matrix: Soil
 Sample ID: L0606695-15 MSD File ID: 9M47088 Dil: 1 Units: ug/kg
 Percent Solid: 90.1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Tetrachloroethene	ND	18.0	15.6	86.8	41.1	36.5	88.7	80.1	72 - 130	30	#
Toluene	ND	18.0	15.5	85.9	41.1	36.3	88.3	80.6	77 - 126	30	#
trans-1,3-Dichloropropene	ND	18.0	14.3	79.2	41.1	34.2	83.0	82.2	56 - 135	30	#
Trichloroethene	ND	18.0	19.2	107	41.1	45.0	109	80.5	72 - 126	30	#
Trichlorofluoromethane	ND	18.0	20.6	114	41.1	48.4	118	80.8	48 - 154	30	#
Vinyl chloride	ND	18.0	20.3	113	41.1	47.1	115	79.4	25 - 130	30	#
Xylenes, Total	ND	54.0	47.0	87.1	123	110	89.2	80.3	70 - 130	30	#

* FAILS %REC LIMIT

FAILS RPD LIMIT

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061764

BFB

Login Number: L0606695	Tune ID: WG211705-01
Instrument: HPMS8	Run Date: 04/22/2006
Analyst: MES	Run Time: 18:16
Workgroup: WG211705	File ID: 8M326673
Cal ID: HPMS8 - 22-APR-06	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	17.8	22642	PASS
75.0	95.0	30.0	60.0	45.0	57074	PASS
95.0	95.0	100	100	100	126917	PASS
96.0	95.0	5.00	9.00	6.66	8457	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	72.6	92114	PASS
175	174	5.00	9.00	6.92	6378	PASS
176	174	95.0	101	95.1	87586	PASS
177	176	5.00	9.00	6.45	5645	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG211705-11	SSCV	01	04/23/2006 01:42	
WG211705-10	STD	01	04/22/2006 23:42	
WG211705-09	STD	01	04/22/2006 23:13	
WG211705-08	CCV	01	04/22/2006 22:43	
WG211705-07	STD	01	04/22/2006 22:13	
WG211705-06	STD	01	04/22/2006 21:14	
WG211705-05	STD	01	04/22/2006 20:44	
WG211705-04	STD	01	04/22/2006 20:14	
WG211705-03	STD	01	04/22/2006 19:15	
WG211705-02	STD	01	04/22/2006 18:45	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061765

BFB

Login Number: L0606695	Tune ID: WG214755-01
Instrument: HPMS9	Run Date: 06/07/2006
Analyst: MES	Run Time: 09:18
Workgroup: WG214755	File ID: 9M46650
Cal ID: HPMS9 - 07-JUN-06	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	22.3	5513	PASS
75.0	95.0	30.0	60.0	43.9	10822	PASS
95.0	95.0	100	100	100	24674	PASS
96.0	95.0	5.00	9.00	6.77	1670	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	76.4	18862	PASS
175	174	5.00	9.00	7.97	1504	PASS
176	174	95.0	101	97.1	18315	PASS
177	176	5.00	9.00	7.08	1297	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG214755-10	SSCV-S	01	06/07/2006 16:36	
WG214755-02	STD-S	01	06/07/2006 16:04	
WG214755-03	STD-S	01	06/07/2006 15:34	
WG214755-06	STD-S	01	06/07/2006 15:03	
WG214755-09	STD-S	01	06/07/2006 14:02	
WG214755-08	STD-S	01	06/07/2006 13:31	
WG214755-07	CCV-S	01	06/07/2006 13:01	
WG214755-05	STD-S	01	06/07/2006 11:59	
WG214755-04	STD-S	01	06/07/2006 10:21	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061766

BFB

Login Number: L0606695	Tune ID: WG216023-01
Instrument: HPMS11	Run Date: 06/24/2006
Analyst: MES	Run Time: 15:40
Workgroup: WG216023	File ID: 11M34449
Cal ID: HPMS11-24-JUN-06	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	22.3	9053	PASS
75.0	95.0	30.0	60.0	43.9	17866	PASS
95.0	95.0	100	100	100	40666	PASS
96.0	95.0	5.00	9.00	6.79	2763	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	72.2	29373	PASS
175	174	5.00	9.00	7.54	2214	PASS
176	174	95.0	101	99.6	29250	PASS
177	176	5.00	9.00	6.20	1814	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG216023-11	SSCV	01	06/24/2006 21:44	
WG216023-10	STD	01	06/24/2006 20:13	
WG216023-09	STD	01	06/24/2006 19:42	
WG216023-08	CCV	01	06/24/2006 19:12	
WG216023-07	STD	01	06/24/2006 18:41	
WG216023-06	STD	01	06/24/2006 18:11	
WG216023-05	STD	01	06/24/2006 17:41	
WG216023-04	STD	01	06/24/2006 17:09	
WG216023-03	STD	01	06/24/2006 16:38	
WG216023-02	STD	01	06/24/2006 16:07	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061767

BFB

Login Number: L0606695 _____
Instrument: HPMS9 _____
Analyst: MES _____
Workgroup: WG216607 _____

Tune ID: WG216607-01 _____
Run Date: 07/05/2006 _____
Run Time: 10:10 _____
File ID: 9M47048 _____

Cal ID: HPMS9 -07-JUN-06 _____

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	21.7	4232	PASS
75.0	95.0	30.0	60.0	49.5	9656	PASS
95.0	95.0	100	100	100	19498	PASS
96.0	95.0	5.00	9.00	6.40	1247	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	80.8	15756	PASS
175	174	5.00	9.00	6.21	978	PASS
176	174	95.0	101	97.7	15397	PASS
177	176	5.00	9.00	6.81	1049	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG216607-02	CCV	07/05/2006 10:35

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG216608-01	BLANK	01	07/05/2006 11:05	
WG216608-02	LCS	01	07/05/2006 11:36	
WG216608-03	LCS2	01	07/05/2006 12:07	
L0606695-02	07SB01 (3-4)	01	07/05/2006 20:50	
L0606695-04	07SB02 (3-4)	01	07/05/2006 21:21	
L0606695-11	07SB06 (0-1)	01	07/05/2006 21:52	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061768

BFB

Login Number: L0606695
Instrument: HPMS11
Analyst: CMS
Workgroup: WG216611

Tune ID: WG216611-01
Run Date: 07/05/2006
Run Time: 09:21
File ID: 11M34648

Cal ID: HPMS11-24-JUN-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	23.5	5347	PASS
75.0	95.0	30.0	60.0	44.8	10179	PASS
95.0	95.0	100	100	100	22712	PASS
96.0	95.0	5.00	9.00	6.47	1470	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	64.8	14716	PASS
175	174	5.00	9.00	7.49	1102	PASS
176	174	95.0	101	97.9	14401	PASS
177	176	5.00	9.00	6.40	922	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG216611-02	CCV	07/05/2006 09:53

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG216612-01	BLANK	01	07/05/2006 10:54	
WG216612-02	LCS	01	07/05/2006 11:24	
WG216612-03	LCS2	01	07/05/2006 11:55	
L0606695-16	EQUIPMENT RINSE-SLIDE HAMMER	01	07/05/2006 13:26	
L0606695-18	TB01	01	07/05/2006 13:57	
L0606695-19	TB02	01	07/05/2006 14:28	
L0606695-20	TB03	01	07/05/2006 14:58	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061769

BFB

Login Number: L0606695
Instrument: HPMS8
Analyst: CMS
Workgroup: WG216691

Tune ID: WG216691-01
Run Date: 07/06/2006
Run Time: 07:34
File ID: 8M328459

Cal ID: HPMS8 -22-APR-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	18.8	27191	PASS
75.0	95.0	30.0	60.0	49.8	72018	PASS
95.0	95.0	100	100	100	144640	PASS
96.0	95.0	5.00	9.00	7.14	10323	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	74.5	107818	PASS
175	174	5.00	9.00	6.71	7232	PASS
176	174	95.0	101	97.3	104920	PASS
177	176	5.00	9.00	6.24	6545	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG216691-02	CCV	07/06/2006 08:05

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG216692-01	BLANK	DL01	07/06/2006 09:06	
WG216692-02	LCS	DL01	07/06/2006 09:35	
L0606695-04	07SB02 (3-4)	DL01	07/06/2006 11:37	
WG216692-04	DUP	DL01	07/06/2006 12:07	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061770

BFB

Login Number: L0606695
Instrument: HPMS9
Analyst: MES
Workgroup: WG216696

Tune ID: WG216696-01
Run Date: 07/06/2006
Run Time: 08:57
File ID: 9M47079

Cal ID: HPMS9 -07-JUN-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	22.6	5247	PASS
75.0	95.0	30.0	60.0	50.1	11635	PASS
95.0	95.0	100	100	100	23237	PASS
96.0	95.0	5.00	9.00	6.37	1481	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	75.9	17633	PASS
175	174	5.00	9.00	7.03	1239	PASS
176	174	95.0	101	96.8	17075	PASS
177	176	5.00	9.00	6.91	1180	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG216696-02	CCV	07/06/2006 09:20

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG216697-01	BLANK	01	07/06/2006 09:51	
WG216697-02	LCS	01	07/06/2006 10:22	
L0606695-03	07SB02 (0-1)	01	07/06/2006 11:24	
L0606695-12	07SB06 (3-4)	01	07/06/2006 11:55	
L0606695-01	07SB01 (0-1)	01	07/06/2006 12:26	
L0606695-14	07SB01 (0-1)MS	01	07/06/2006 12:57	
L0606695-15	07SB01 (0-1)MSD	01	07/06/2006 13:28	
L0606695-13	DUP-07SB02 (0-1)	01	07/06/2006 13:58	

* Sample past 12 hour tune limit

INITIAL CALIBRATION SUMMARY

00061771

Login Number: L0606695
 Analytical Method: 8260B
 ICAL Workgroup: WG211705

Instrument ID: HPMS8
 Initial Calibration Date: 22-APR-06 23:42
 Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
1,1-Dichloroethene	CCC	0.4395	7.92		
1,2-Dichloropropane	CCC	0.2390	7.87		
Chloroform	CCC	0.5422	7.64		
Ethylbenzene	CCC	0.5462	5.92		
Toluene	CCC	1.516	4.41		
Vinyl Chloride	CCC	0.2651	8.11		
1,1,2,2-Tetrachloroethane	SPCC	0.4334	5.66		
1,1-Dichloroethane	SPCC	0.5020	6.65		
Bromoform	SPCC	0.1815	12.2		
Chlorobenzene	SPCC	1.030	6.85		
Chloromethane	SPCC	0.2981	5.60		
1,1,1-Trichloroethane		0.5316	6.76		
1,1,2-Trichloro-1,2,2-Trifluoroethane		0.2996	4.30		
1,1,2-Trichloroethane		0.2306	7.47		
1,2,4-Trichlorobenzene		0.9276	5.31		
1,2-Dibromo-3-Chloropropane		0.08485	2.35		
1,2-Dibromoethane		0.2341	8.06		
1,2-Dichlorobenzene		1.385	7.47		
1,2-Dichloroethane		0.3830	6.89		
1,3-Dichlorobenzene		1.593	6.16		
1,4-Dichlorobenzene		1.623	6.07		
2-Butanone		0.05476	2.97		
2-Hexanone		0.1092	3.43		
4-Methyl-2-Pentanone		0.04612	4.01		
Acetone		0.04328	3.49		
Benzene		1.051	6.93		
Bromodichloromethane		0.3788	8.10		
Bromomethane		0.2025	9.05		
Carbon Disulfide		0.8593	7.12		
Carbon Tetrachloride		0.4820	7.64		
Chloroethane		0.1814	4.97		
Cyclohexane		0.4074	9.62		
Dibromochloromethane		0.3207	9.35		
Dichlorodifluoromethane		0.4419	4.84		
Isopropylbenzene		1.644	8.53		
Methyl Tert Butyl Ether		0.5323	8.48		
Methyl acetate		0.1256	11.8		
Methylcyclohexane		0.3668	12.9		
Methylene Chloride		0.2741	8.65		
Styrene		1.056	12.2		
Tetrachloroethene		0.3207	8.07		
Trichloroethene		0.3222	8.12		
Trichlorofluoromethane		0.5689	5.24		
cis-1,2-Dichloroethene		0.4110	10.3		
cis-1,3-Dichloropropene		0.4127	11.6		

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INITIAL CALIBRATION SUMMARY

00061772

Login Number: L0606695
Analytical Method: 8260B
ICAL Workgroup: WG211705

Instrument ID: HPMS8
Initial Calibration Date: 22-APR-06 23:42
Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
m-, p-Xylene		0.6773	6.83		
o-Xylene		0.6429	8.19		
trans-1,2-Dichloroethene		0.4083	7.54		
trans-1,3-Dichloropropene		0.4674	10.6		

INITIAL CALIBRATION SUMMARY

00061773

Login Number: L0606695
 Analytical Method: 8260B
 ICAL Workgroup: WG214755

Instrument ID: HPMS9
 Initial Calibration Date: 07-JUN-06 16:04
 Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
1,1-Dichloroethene	CCC	0.3069	8.28		
1,2-Dichloropropane	CCC	0.3256	5.39		
Chloroform	CCC	0.6092	3.84		
Ethylbenzene	CCC	0.5749	7.17		
Toluene	CCC	1.550	5.28		
Vinyl Chloride	CCC	0.2757	10.5		
1,1,2,2-Tetrachloroethane	SPCC	0.7142	11.6		
1,1-Dichloroethane	SPCC	0.6476	4.19		
Bromoform	SPCC	0.2367	7.86		
Chlorobenzene	SPCC	1.116	5.25		
Chloromethane	SPCC	0.4127	5.65		
1,1,1-Trichloroethane		0.5852	6.14		
1,1,2-Trichloro-1,2,2-Trifluoroethane		0.3748	4.74		
1,1,2-Trichloroethane		0.3078	5.93		
1,2,4-Trichlorobenzene		1.038	12.0		
1,2-Dibromo-3-Chloropropane		0.1607	14.8		
1,2-Dibromoethane		0.3266	5.60		
1,2-Dichlorobenzene		1.513	12.1		
1,2-Dichloroethane		0.5312	2.60		
1,3-Dichlorobenzene		1.665	12.2		
1,4-Dichlorobenzene		1.708	12.2		
2-Butanone		0.1455	6.09		
2-Hexanone		0.2701	7.57		
4-Methyl-2-Pentanone		0.1224	5.81		
Acetone		0.1348	30.1		1.00
Benzene		1.236	3.97		
Bromodichloromethane		0.4134	6.43		
Bromomethane		0.1541	10.2		
Carbon Disulfide		0.9882	5.17		
Carbon Tetrachloride		0.5380	8.31		
Chloroethane		0.2384	14.2		
Cyclohexane		0.6088	8.84		
Dibromochloromethane		0.3733	9.38		
Dichlorodifluoromethane		0.4559	5.87		
Isopropylbenzene		1.745	10.3		
Methyl Tert Butyl Ether		0.8438	2.70		
Methyl acetate		0.3425	5.13		
Methylcyclohexane		0.5410	13.2		
Methylene Chloride		0.3242	2.64		
Styrene		1.103	12.2		
Tetrachloroethene		0.3250	5.91		
Trichloroethene		0.3771	5.21		
Trichlorofluoromethane		0.6840	5.21		
cis-1,2-Dichloroethene		0.3406	6.01		
cis-1,3-Dichloropropene		0.4787	11.0		

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INITIAL CALIBRATION SUMMARY

00061774

Login Number: L0606695
Analytical Method: 8260B
ICAL Workgroup: WG214755

Instrument ID: HPMS9
Initial Calibration Date: 07-JUN-06 16:04
Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
m-, p-Xylene		0.7164	7.31		
o-Xylene		0.6441	13.4		
trans-1,2-Dichloroethene		0.3360	5.77		
trans-1,3-Dichloropropene		0.5359	11.0		

INITIAL CALIBRATION SUMMARY

00061775

Login Number: L0606695
 Analytical Method: 8260B
 ICAL Workgroup: WG216023

Instrument ID: HPMS11
 Initial Calibration Date: 24-JUN-06 20:13
 Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
1,1-Dichloroethene	CCC	0.2043	3.61		
1,2-Dichloropropane	CCC	0.2634	2.13		
Chloroform	CCC	0.3868	4.09		
Ethylbenzene	CCC	0.4447	14.3		
Toluene	CCC	1.258	8.85		
Vinyl Chloride	CCC	0.1929	10.8		
1,1,2,2-Tetrachloroethane	SPCC	0.4178	5.33		
1,1-Dichloroethane	SPCC	0.4779	4.69		
Bromoform	SPCC	0.1198	20.5	0.999	
Chlorobenzene	SPCC	0.8257	13.8		
Chloromethane	SPCC	0.2947	10.8		
1,1,1-Trichloroethane		0.3282	5.57		
1,1,2-Trichloro-1,2,2-Trifluoroethane		0.2177	11.8		
1,1,2-Trichloroethane		0.1985	7.31		
1,2,4-Trichlorobenzene		0.8115	11.3		
1,2-Dibromo-3-Chloropropane		0.07567	4.93		
1,2-Dibromoethane		0.1994	2.58		
1,2-Dichlorobenzene		1.176	7.76		
1,2-Dichloroethane		0.3118	5.36		
1,3-Dichlorobenzene		1.298	8.28		
1,4-Dichlorobenzene		1.317	8.96		
2-Butanone		0.06146	7.34		
2-Hexanone		0.1323	7.92		
4-Methyl-2-Pentanone		0.05912	11.8		
Acetone		0.03934	3.23		
Benzene		0.8992	8.30		
Bromodichloromethane		0.2643	5.83		
Bromomethane		0.1616	11.2		
Carbon Disulfide		0.7210	4.04		
Carbon Tetrachloride		0.2606	8.57		
Chloroethane		0.1983	5.61		
Cyclohexane		0.4809	5.82		
Dibromochloromethane		0.2172	12.4		
Dichlorodifluoromethane		0.3012	5.34		
Isopropylbenzene		1.363	6.24		
Methyl Tert Butyl Ether		0.4025	7.81		
Methyl acetate		0.1130	11.7		
Methylcyclohexane		0.3640	8.00		
Methylene Chloride		0.2430	10.0		
Styrene		0.8934	8.09		
Tetrachloroethene		0.2342	6.57		
Trichloroethene		0.2285	5.44		
Trichlorofluoromethane		0.3716	4.12		
cis-1,2-Dichloroethene		0.2347	5.28		
cis-1,3-Dichloropropene		0.3403	4.15		

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INITIAL CALIBRATION SUMMARY

00061776

Login Number: **L0606695**
Analytical Method: **8260B**
ICAL Workgroup: **WG216023**

Instrument ID: **HPMS11**
Initial Calibration Date: **24-JUN-06 20:13**
Column ID: **F**

Analyte		AVG RF	% RSD	LINEAR	QUAD
m-, p-Xylene		0.5610	13.6		
o-Xylene		0.5589	8.25		
trans-1,2-Dichloroethene		0.2255	9.02		
trans-1,3-Dichloropropene		0.3884	5.65		

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS8

00061777

Analytical Method: 8260B

Initial Calibration Date: 22-APR-06 23:42

Column ID: F

Analyte	WG211705-02			WG211705-03			WG211705-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	0.400	6508	0.4349	1.00	13500	0.3660
1,2-Dichloropropane	NA	NA	NA	0.400	3092	0.2066	1.00	8035	0.2178
Chloroform	0.300	5809	0.5019	0.400	8610	0.5754	1.00	16699	0.4527
Ethylbenzene	NA	NA	NA	0.400	6636	0.5708	1.00	13497	0.4789
Toluene	NA	NA	NA	0.400	18307	1.575	1.00	38852	1.378
Vinyl Chloride	NA	NA	NA	0.400	4309	0.2880	1.00	10276	0.2786
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.400	2810	0.4636	1.00	5640	0.3833
1,1-Dichloroethane	NA	NA	NA	0.400	7615	0.5089	1.00	15749	0.4269
Bromoform	NA	NA	NA	NA	NA	NA	1.00	3883	0.1378
Chlorobenzene	NA	NA	NA	0.400	12911	1.111	1.00	25031	0.8881
Chloromethane	NA	NA	NA	NA	NA	NA	1.00	12063	0.3270
1,1,1-Trichloroethane	NA	NA	NA	0.400	7878	0.5265	1.00	16820	0.4559
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	0.400	2724	0.2343	1.00	5367	0.1904
1,2,4-Trichlorobenzene	NA	NA	NA	0.400	5591	0.9225	1.00	12514	0.8506
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	0.400	2728	0.2347	1.00	5424	0.1924
1,2-Dichlorobenzene	0.300	6204	1.363	0.400	9299	1.534	1.00	17015	1.157
1,2-Dichloroethane	NA	NA	NA	0.400	5242	0.3503	1.00	12390	0.3359
1,3-Dichlorobenzene	NA	NA	NA	0.400	10323	1.703	1.00	20354	1.383
1,4-Dichlorobenzene	0.300	7817	1.717	0.400	10511	1.734	1.00	20803	1.414
2-Butanone	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	0.400	17009	1.137	1.00	32950	0.8932
Bromodichloromethane	NA	NA	NA	0.400	5640	0.3769	1.00	11435	0.3100
Bromomethane	NA	NA	NA	0.400	2806	0.1875	1.00	6742	0.1828
Carbon Disulfide	NA	NA	NA	0.400	13011	0.8695	1.00	30771	0.8341
Carbon Tetrachloride	NA	NA	NA	0.400	7197	0.4810	1.00	14953	0.4053
Chloroethane	NA	NA	NA	0.400	2616	0.1748	1.00	6201	0.1681
Cyclohexane	NA	NA	NA	NA	NA	NA	1.00	13997	0.3794
Dibromochloromethane	NA	NA	NA	0.400	3448	0.2966	1.00	7417	0.2631
Dichlorodifluoromethane	NA	NA	NA	0.400	6719	0.4490	1.00	16255	0.4406
Isopropylbenzene	NA	NA	NA	0.400	18451	1.587	1.00	38246	1.357
Methyl Tert Butyl Ether	NA	NA	NA	NA	NA	NA	1.00	18960	0.5140
Methyl acetate	NA	NA	NA	NA	NA	NA	1.00	4110	0.1114
Methylcyclohexane	NA	NA	NA	NA	NA	NA	1.00	13169	0.3570
Methylene Chloride	NA	NA	NA	0.400	4941	0.3302	1.00	9436	0.2558
Styrene	NA	NA	NA	0.400	11145	0.9587	1.00	22911	0.8129
Tetrachloroethene	NA	NA	NA	0.400	4319	0.3715	1.00	8024	0.2847
Trichloroethene	NA	NA	NA	0.400	5062	0.3383	1.00	9695	0.2628

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INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS8

00061778

Analytical Method: 8260B

Initial Calibration Date: 22-APR-06 23:42

Column ID: F

Analyte	WG211705-05			WG211705-06			WG211705-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	2.00	30267	0.4150	5.00	82817	0.4452	20.0	341945	0.4564
1,2-Dichloropropane	2.00	16634	0.2281	5.00	46495	0.2499	20.0	187210	0.2499
Chloroform	2.00	38822	0.5323	5.00	102668	0.5519	20.0	428282	0.5716
Ethylbenzene	2.00	30251	0.5392	5.00	81349	0.5703	20.0	325719	0.5662
Toluene	2.00	83522	1.489	5.00	218327	1.531	20.0	900959	1.566
Vinyl Chloride	2.00	19053	0.2612	5.00	52545	0.2824	20.0	206655	0.2758
1,1,2,2-Tetrachloroethane	2.00	13087	0.4418	5.00	33365	0.4468	20.0	136801	0.4497
1,1-Dichloroethane	2.00	35416	0.4856	5.00	93601	0.5031	20.0	390172	0.5207
Bromoform	2.00	9797	0.1746	5.00	24757	0.1736	20.0	112694	0.1959
Chlorobenzene	2.00	56776	1.012	5.00	152095	1.066	20.0	617858	1.074
Chloromethane	2.00	22232	0.3048	5.00	56732	0.3050	20.0	220852	0.2947
1,1,1-Trichloroethane	2.00	37768	0.5178	5.00	98617	0.5301	20.0	414014	0.5525
1,1,2-Trichloro-1,2,2-Trifluoroethane	2.00	21270	0.2916	5.00	58256	0.3131	20.0	234480	0.3129
1,1,2-Trichloroethane	2.00	13112	0.2337	5.00	34520	0.2420	20.0	140261	0.2438
1,2,4-Trichlorobenzene	2.00	26964	0.9102	5.00	72999	0.9776	20.0	301771	0.9919
1,2-Dibromo-3-Chloropropane	2.00	2486	0.08390	5.00	6130	0.08210	20.0	26675	0.08770
1,2-Dibromoethane	2.00	13098	0.2334	5.00	32588	0.2285	20.0	145597	0.2531
1,2-Dichlorobenzene	2.00	39955	1.349	5.00	106712	1.429	20.0	438587	1.442
1,2-Dichloroethane	2.00	28114	0.3854	5.00	73675	0.3960	20.0	305747	0.4081
1,3-Dichlorobenzene	2.00	45698	1.543	5.00	122371	1.639	20.0	501771	1.649
1,4-Dichlorobenzene	2.00	46227	1.561	5.00	125071	1.675	20.0	505103	1.660
2-Butanone	NA	NA	NA	5.00	9780	0.05260	20.0	41272	0.05510
2-Hexanone	NA	NA	NA	5.00	14674	0.1029	20.0	64670	0.1124
4-Methyl-2-Pentanone	NA	NA	NA	5.00	8092	0.04350	20.0	34944	0.04660
Acetone	NA	NA	NA	5.00	8397	0.04510	20.0	33318	0.04450
Benzene	2.00	73890	1.013	5.00	198992	1.070	20.0	805923	1.076
Bromodichloromethane	2.00	26756	0.3668	5.00	71253	0.3830	20.0	294233	0.3927
Bromomethane	2.00	13000	0.1782	5.00	36995	0.1989	20.0	155933	0.2081
Carbon Disulfide	2.00	52322	0.7173	5.00	164629	0.8849	20.0	659763	0.8805
Carbon Tetrachloride	2.00	33223	0.4555	5.00	90561	0.4868	20.0	380351	0.5076
Chloroethane	2.00	12543	0.1720	5.00	34104	0.1833	20.0	144820	0.1933
Cyclohexane	2.00	24065	0.3299	5.00	78658	0.4228	20.0	316649	0.4226
Dibromochloromethane	2.00	17268	0.3078	5.00	46152	0.3236	20.0	195717	0.3402
Dichlorodifluoromethane	2.00	30434	0.4173	5.00	85940	0.4620	20.0	353954	0.4724
Isopropylbenzene	2.00	87636	1.562	5.00	236617	1.659	20.0	998913	1.736
Methyl Tert Butyl Ether	2.00	31841	0.4365	5.00	102539	0.5512	20.0	420724	0.5615
Methyl acetate	2.00	8313	0.1140	5.00	23916	0.1286	20.0	95364	0.1273
Methylcyclohexane	2.00	21009	0.2880	5.00	70335	0.3781	20.0	287576	0.3838
Methylene Chloride	2.00	20280	0.2780	5.00	50370	0.2708	20.0	199597	0.2664
Styrene	2.00	54487	0.9711	5.00	154648	1.084	20.0	664893	1.156
Tetrachloroethene	2.00	17240	0.3073	5.00	46096	0.3232	20.0	189405	0.3292
Trichloroethene	2.00	22738	0.3117	5.00	59725	0.3210	20.0	248632	0.3318

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INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS8

Analytical Method: 8260B

Initial Calibration Date: 22-APR-06 23:42

Column ID: F

00061779

Analyte	WG211705-08			WG211705-09			WG211705-10		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	50.0	908352	0.4692	100	1877895	0.4635	200	3786928	0.4654
1,2-Dichloropropane	50.0	496019	0.2562	100	1022355	0.2524	200	2044843	0.2513
Chloroform	50.0	1119325	0.5781	100	2294140	0.5663	200	4469852	0.5494
Ethylbenzene	50.0	862075	0.5702	100	1757442	0.5514	200	3510091	0.5229
Toluene	50.0	2377729	1.573	100	4909941	1.541	200	9910701	1.476
Vinyl Chloride	50.0	510543	0.2637	100	1007032	0.2486	200	1809658	0.2224
1,1,2,2-Tetrachloroethane	50.0	347843	0.4338	100	714104	0.4307	200	1455208	0.4171
1,1-Dichloroethane	50.0	1029797	0.5319	100	2108256	0.5204	200	4216987	0.5183
Bromoform	50.0	304338	0.2013	100	628149	0.1971	200	1274834	0.1899
Chlorobenzene	50.0	1617238	1.070	100	3322661	1.043	200	6554132	0.9764
Chloromethane	50.0	571725	0.2953	100	1111405	0.2743	200	2321765	0.2854
1,1,1-Trichloroethane	50.0	1110206	0.5734	100	2274982	0.5616	200	4353732	0.5351
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.0	594530	0.3071	100	1157701	0.2858	200	2335644	0.2871
1,1,2-Trichloroethane	50.0	362656	0.2399	100	749456	0.2352	200	1513621	0.2255
1,2,4-Trichlorobenzene	50.0	767083	0.9566	100	1557043	0.9391	200	3042041	0.8719
1,2-Dibromo-3-Chloropropane	50.0	68831	0.08580	100	142497	0.08590	200	292153	0.08370
1,2-Dibromoethane	50.0	375634	0.2484	100	786094	0.2466	200	1581561	0.2356
1,2-Dichlorobenzene	50.0	1152843	1.438	100	2326019	1.403	200	4713592	1.351
1,2-Dichloroethane	50.0	787625	0.4068	100	1610707	0.3976	200	3123481	0.3839
1,3-Dichlorobenzene	50.0	1315212	1.640	100	2680730	1.617	200	5470359	1.568
1,4-Dichlorobenzene	50.0	1324754	1.652	100	2705394	1.632	200	5449483	1.562
2-Butanone	50.0	104713	0.05410	100	222995	0.05500	200	463942	0.05700
2-Hexanone	50.0	166591	0.1102	100	354930	0.1114	200	731520	0.1090
4-Methyl-2-Pentanone	50.0	88550	0.04570	100	187128	0.04620	200	395830	0.04860
Acetone	50.0	83710	0.04320	100	169054	0.04170	200	341038	0.04190
Benzene	50.0	2122224	1.096	100	4345257	1.073	200	8553751	1.051
Bromodichloromethane	50.0	789043	0.4075	100	1622647	0.4005	200	3197758	0.3930
Bromomethane	50.0	428317	0.2212	100	889817	0.2196	200	1822061	0.2239
Carbon Disulfide	50.0	1750403	0.9041	100	3596301	0.8877	200	7292989	0.8963
Carbon Tetrachloride	50.0	1006154	0.5197	100	2063044	0.5093	200	3992135	0.4907
Chloroethane	50.0	369555	0.1909	100	738356	0.1823	200	1515067	0.1862
Cyclohexane	50.0	848186	0.4381	100	1723138	0.4253	200	3531051	0.4340
Dibromochloromethane	50.0	530967	0.3512	100	1104640	0.3466	200	2256470	0.3362
Dichlorodifluoromethane	50.0	879916	0.4545	100	1679016	0.4145	200	3453524	0.4245
Isopropylbenzene	50.0	2690417	1.780	100	5624620	1.765	200	11441459	1.705
Methyl Tert Butyl Ether	50.0	1083255	0.5595	100	2247969	0.5549	200	4465132	0.5488
Methyl acetate	50.0	246588	0.1274	100	531838	0.1313	200	1135294	0.1395
Methylcyclohexane	50.0	759153	0.3921	100	1527326	0.3770	200	3188426	0.3919
Methylene Chloride	50.0	520827	0.2690	100	1067304	0.2635	200	2107154	0.2590
Styrene	50.0	1787656	1.182	100	3672790	1.152	200	7572924	1.128
Tetrachloroethene	50.0	499353	0.3303	100	1019590	0.3199	200	2008682	0.2992
Trichloroethene	50.0	667393	0.3447	100	1368367	0.3378	200	2680930	0.3295

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INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS8

00061780

Analytical Method: 8260B

Initial Calibration Date: 22-APR-06 23:42

Column ID: F

Analyte	WG211705-02			WG211705-03			WG211705-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Trichlorofluoromethane	NA	NA	NA	0.400	8761	0.5855	1.00	19411	0.5262
cis-1,2-Dichloroethene	NA	NA	NA	0.400	6532	0.4365	1.00	11941	0.3237
cis-1,3-Dichloropropene	NA	NA	NA	0.400	6333	0.4232	1.00	11340	0.3074
m-,p-Xylene	NA	NA	NA	0.800	16679	0.7174	2.00	32745	0.5809
o-Xylene	NA	NA	NA	0.400	7139	0.6141	1.00	15227	0.5402
trans-1,2-Dichloroethene	NA	NA	NA	0.400	6114	0.4086	1.00	12550	0.3402
trans-1,3-Dichloropropene	NA	NA	NA	0.400	4835	0.4159	1.00	10864	0.3854

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS8

00061781

Analytical Method: 8260B

Initial Calibration Date: 22-APR-06 23:42

Column ID: F

Analyte	WG211705-05			WG211705-06			WG211705-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Trichlorofluoromethane	2.00	38223	0.5240	5.00	107782	0.5794	20.0	454596	0.6067
cis-1,2-Dichloroethene	2.00	28658	0.3929	5.00	75096	0.4037	20.0	352417	0.4703
cis-1,3-Dichloropropene	2.00	27949	0.3832	5.00	76881	0.4133	20.0	328955	0.4390
m-,p-Xylene	4.00	72486	0.6460	10.0	194917	0.6833	40.0	816511	0.7097
o-Xylene	2.00	34220	0.6099	5.00	92878	0.6511	20.0	393852	0.6846
trans-1,2-Dichloroethene	2.00	28565	0.3916	5.00	76912	0.4134	20.0	318812	0.4255
trans-1,3-Dichloropropene	2.00	24635	0.4391	5.00	67020	0.4699	20.0	296656	0.5157

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS8

00061782

Analytical Method: 8260B

Initial Calibration Date: 22-APR-06 23:42

Column ID: F

Analyte	WG211705-08			WG211705-09			WG211705-10		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Trichlorofluoromethane	50.0	1146972	0.5924	100	2290935	0.5655	200	4652371	0.5718
cis-1,2-Dichloroethene	50.0	829813	0.4286	100	1705282	0.4209	200	3343653	0.4110
cis-1,3-Dichloropropene	50.0	869085	0.4489	100	1798460	0.4439	200	3604026	0.4430
m-,p-Xylene	100	2155581	0.7129	200	4476259	0.7022	400	8943451	0.6662
o-Xylene	50.0	1055696	0.6983	100	2182450	0.6848	200	4433157	0.6604
trans-1,2-Dichloroethene	50.0	844001	0.4359	100	1740495	0.4296	200	3430997	0.4217
trans-1,3-Dichloropropene	50.0	781158	0.5167	100	1618766	0.5079	200	3279271	0.4885

INITIAL CALIBRATION DATA

00061783

Login Number:L0606695

Instrument ID:HPMS9

Analytical Method:8260B

Initial Calibration Date:07-JUN-06 16:04

Column ID:F

Analyte	WG214755-02			WG214755-03			WG214755-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	2.00	4869	0.2624	5.00	13219	0.2944
1,2-Dichloropropane	NA	NA	NA	2.00	5451	0.2937	5.00	14168	0.3155
Chloroform	NA	NA	NA	2.00	10641	0.5734	5.00	27907	0.6214
Ethylbenzene	0.500	1940	0.5117	2.00	8744	0.5510	5.00	22576	0.5931
Toluene	0.500	5845	1.542	2.00	23252	1.465	5.00	60638	1.593
Vinyl Chloride	NA	NA	NA	2.00	5720	0.3082	5.00	13054	0.2907
1,1,2,2-Tetrachloroethane	NA	NA	NA	2.00	5596	0.6165	5.00	15250	0.7196
1,1-Dichloroethane	NA	NA	NA	2.00	11166	0.6017	5.00	29073	0.6474
Bromoform	NA	NA	NA	NA	NA	NA	5.00	8228	0.2162
Chlorobenzene	NA	NA	NA	2.00	17539	1.105	5.00	43933	1.154
Chloromethane	NA	NA	NA	2.00	8135	0.4384	5.00	19318	0.4302
1,1,1-Trichloroethane	NA	NA	NA	2.00	9837	0.5301	5.00	25589	0.5698
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	NA	NA	NA	NA	NA	5.00	16487	0.3671
1,1,2-Trichloroethane	NA	NA	NA	2.00	4549	0.2867	5.00	12289	0.3229
1,2,4-Trichlorobenzene	NA	NA	NA	2.00	8973	0.9886	5.00	21954	1.036
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA	5.00	3023	0.1426
1,2-Dibromoethane	NA	NA	NA	2.00	4789	0.3018	5.00	12880	0.3384
1,2-Dichlorobenzene	NA	NA	NA	2.00	12628	1.391	5.00	32647	1.541
1,2-Dichloroethane	NA	NA	NA	2.00	9594	0.5170	5.00	24073	0.5360
1,3-Dichlorobenzene	NA	NA	NA	2.00	14758	1.626	5.00	36293	1.713
1,4-Dichlorobenzene	NA	NA	NA	2.00	15922	1.754	5.00	37427	1.766
2-Butanone	NA	NA	NA	NA	NA	NA	5.00	7220	0.1608
2-Hexanone	NA	NA	NA	NA	NA	NA	5.00	11241	0.2953
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA	5.00	5702	0.1270
Acetone	NA	NA	NA	NA	NA	NA	5.00	9446	0.2103
Benzene	0.500	5562	1.257	2.00	21776	1.173	5.00	55716	1.241
Bromodichloromethane	NA	NA	NA	2.00	6870	0.3702	5.00	17989	0.4006
Bromomethane	NA	NA	NA	NA	NA	NA	5.00	6382	0.1421
Carbon Disulfide	NA	NA	NA	2.00	16858	0.9084	5.00	43899	0.9775
Carbon Tetrachloride	NA	NA	NA	2.00	8456	0.4556	5.00	23368	0.5203
Chloroethane	NA	NA	NA	2.00	4315	0.2325	5.00	7496	0.1669
Cyclohexane	NA	NA	NA	NA	NA	NA	5.00	24194	0.5387
Dibromochloromethane	NA	NA	NA	2.00	4983	0.3140	5.00	13787	0.3622
Dichlorodifluoromethane	NA	NA	NA	2.00	7821	0.4214	5.00	21117	0.4702
Isopropylbenzene	NA	NA	NA	2.00	22764	1.434	5.00	64768	1.702
Methyl Tert Butyl Ether	NA	NA	NA	NA	NA	NA	5.00	37879	0.8435
Methyl acetate	NA	NA	NA	NA	NA	NA	5.00	17041	0.3795
Methylcyclohexane	NA	NA	NA	2.00	8060	0.4343	5.00	22276	0.4960
Methylene Chloride	NA	NA	NA	2.00	6047	0.3258	5.00	14650	0.3262
Styrene	NA	NA	NA	2.00	13631	0.8589	5.00	40194	1.056
Tetrachloroethene	NA	NA	NA	2.00	4828	0.3042	5.00	12697	0.3336
Trichloroethene	NA	NA	NA	2.00	6503	0.3504	5.00	16578	0.3692

KEMRON FORMS - Modified 03/06/2006
Version 1.6 PDF File ID: 511692
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INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS9

Analytical Method: 8260B

Initial Calibration Date: 07-JUN-06 16:04

Column ID: F

00061784

Analyte	WG214755-05			WG214755-06			WG214755-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	10.0	27036	0.2915	20.0	59301	0.3348	50.0	147013	0.3162
1,2-Dichloropropane	10.0	29739	0.3207	20.0	61184	0.3455	50.0	152863	0.3288
Chloroform	10.0	54957	0.5926	20.0	114732	0.6478	50.0	280148	0.6026
Ethylbenzene	10.0	45547	0.5608	20.0	97134	0.6480	50.0	238584	0.5500
Toluene	10.0	121843	1.500	20.0	256378	1.710	50.0	632507	1.458
Vinyl Chloride	10.0	25749	0.2776	20.0	53618	0.3027	50.0	125432	0.2698
1,1,2,2-Tetrachloroethane	10.0	31641	0.7118	20.0	62843	0.8718	50.0	164678	0.6369
1,1-Dichloroethane	10.0	58468	0.6304	20.0	122369	0.6909	50.0	303462	0.6527
Bromoform	10.0	17155	0.2112	20.0	36985	0.2467	50.0	104238	0.2403
Chlorobenzene	10.0	88384	1.088	20.0	182655	1.219	50.0	447538	1.032
Chloromethane	10.0	37542	0.4048	20.0	77496	0.4376	50.0	188986	0.4065
1,1,1-Trichloroethane	10.0	51736	0.5579	20.0	113461	0.6406	50.0	278375	0.5988
1,1,2-Trichloro-1,2,2-Trifluoroethane	10.0	32791	0.3536	20.0	72062	0.4069	50.0	173233	0.3726
1,1,2-Trichloroethane	10.0	24486	0.3015	20.0	50726	0.3384	50.0	125444	0.2892
1,2,4-Trichlorobenzene	10.0	41641	0.9368	20.0	90833	1.260	50.0	226353	0.8754
1,2-Dibromo-3-Chloropropane	10.0	5804	0.1306	20.0	12962	0.1798	50.0	38309	0.1482
1,2-Dibromoethane	10.0	25008	0.3079	20.0	52379	0.3494	50.0	136349	0.3143
1,2-Dichlorobenzene	10.0	64257	1.446	20.0	136028	1.887	50.0	339676	1.314
1,2-Dichloroethane	10.0	48806	0.5263	20.0	99068	0.5594	50.0	246178	0.5295
1,3-Dichlorobenzene	10.0	71123	1.600	20.0	149927	2.080	50.0	366242	1.416
1,4-Dichlorobenzene	10.0	72879	1.640	20.0	152233	2.112	50.0	370693	1.434
2-Butanone	10.0	13133	0.1416	20.0	25530	0.1441	50.0	63239	0.1360
2-Hexanone	10.0	19217	0.2366	20.0	42990	0.2868	50.0	115290	0.2658
4-Methyl-2-Pentanone	10.0	10125	0.1092	20.0	21284	0.1202	50.0	58696	0.1263
Acetone	10.0	13603	0.1467	20.0	23304	0.1316	50.0	48679	0.1047
Benzene	10.0	107940	1.164	20.0	233449	1.318	50.0	575874	1.239
Bromodichloromethane	10.0	36218	0.3905	20.0	75998	0.4291	50.0	197882	0.4256
Bromomethane	10.0	12752	0.1375	20.0	25117	0.1418	50.0	74390	0.1600
Carbon Disulfide	10.0	86816	0.9361	20.0	185921	1.050	50.0	463710	0.9974
Carbon Tetrachloride	10.0	47570	0.5129	20.0	102921	0.5811	50.0	258229	0.5555
Chloroethane	10.0	22725	0.2450	20.0	48279	0.2726	50.0	118655	0.2552
Cyclohexane	10.0	50441	0.5439	20.0	116818	0.6596	50.0	288301	0.6201
Dibromochloromethane	10.0	28266	0.3480	20.0	60050	0.4006	50.0	162202	0.3739
Dichlorodifluoromethane	10.0	41075	0.4429	20.0	89076	0.5029	50.0	215910	0.4644
Isopropylbenzene	10.0	134001	1.650	20.0	297664	1.986	50.0	752704	1.735
Methyl Tert Butyl Ether	10.0	74791	0.8064	20.0	150854	0.8518	50.0	387804	0.8342
Methyl acetate	10.0	31080	0.3351	20.0	60420	0.3411	50.0	153396	0.3300
Methylcyclohexane	10.0	46537	0.5018	20.0	106463	0.6011	50.0	264052	0.5680
Methylene Chloride	10.0	28750	0.3100	20.0	60077	0.3392	50.0	150164	0.3230
Styrene	10.0	84483	1.040	20.0	187514	1.251	50.0	483537	1.115
Tetrachloroethene	10.0	26003	0.3202	20.0	53957	0.3600	50.0	132242	0.3049
Trichloroethene	10.0	33000	0.3558	20.0	71761	0.4052	50.0	177506	0.3818

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Version 1.6 PDF File ID: 511692
Report generated 07/11/2006 08:18

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS9

Analytical Method: 8260B

Initial Calibration Date: 07-JUN-06 16:04

Column ID: F

00061785

Analyte	WG214755-08			WG214755-09		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	100	311473	0.3250	200	634703	0.3243
1,2-Dichloropropane	100	321654	0.3356	200	664876	0.3397
Chloroform	100	585631	0.6111	200	1204213	0.6152
Ethylbenzene	100	509480	0.6030	200	1006551	0.5813
Toluene	100	1337947	1.584	200	2686151	1.551
Vinyl Chloride	100	245065	0.2557	200	440892	0.2252
1,1,2,2-Tetrachloroethane	100	330079	0.7039	200	688909	0.7391
1,1-Dichloroethane	100	627599	0.6549	200	1281995	0.6549
Bromoform	100	216507	0.2562	200	431935	0.2495
Chlorobenzene	100	948907	1.123	200	1890338	1.092
Chloromethane	100	376715	0.3931	200	740141	0.3781
1,1,1-Trichloroethane	100	579748	0.6049	200	1162619	0.5940
1,1,2-Trichloro-1,2,2-Trifluoroethane	100	362700	0.3785	200	724343	0.3700
1,1,2-Trichloroethane	100	261106	0.3090	200	531820	0.3072
1,2,4-Trichlorobenzene	100	503057	1.073	200	1022521	1.097
1,2-Dibromo-3-Chloropropane	100	80514	0.1717	200	178527	0.1915
1,2-Dibromoethane	100	284013	0.3361	200	585954	0.3384
1,2-Dichlorobenzene	100	709982	1.514	200	1399950	1.502
1,2-Dichloroethane	100	506257	0.5283	200	1021303	0.5218
1,3-Dichlorobenzene	100	762761	1.627	200	1483295	1.591
1,4-Dichlorobenzene	100	773505	1.650	200	1495654	1.605
2-Butanone	100	134140	0.1400	200	294004	0.1502
2-Hexanone	100	223561	0.2646	200	469604	0.2712
4-Methyl-2-Pentanone	100	117798	0.1229	200	251480	0.1285
Acetone	100	100601	0.1050	200	215888	0.1103
Benzene	100	1205845	1.258	200	2419810	1.236
Bromodichloromethane	100	418680	0.4369	200	862518	0.4406
Bromomethane	100	166288	0.1735	200	332566	0.1699
Carbon Disulfide	100	982360	1.025	200	2002116	1.023
Carbon Tetrachloride	100	550592	0.5745	200	1107963	0.5660
Chloroethane	100	242810	0.2534	200	476547	0.2435
Cyclohexane	100	620670	0.6476	200	1258343	0.6429
Dibromochloromethane	100	342991	0.4059	200	707888	0.4088
Dichlorodifluoromethane	100	435530	0.4545	200	850957	0.4347
Isopropylbenzene	100	1602012	1.896	200	3139228	1.813
Methyl Tert Butyl Ether	100	816078	0.8515	200	1713155	0.8752
Methyl acetate	100	312045	0.3256	200	673194	0.3439
Methylcyclohexane	100	571890	0.5967	200	1152830	0.5890
Methylene Chloride	100	309157	0.3226	200	631237	0.3225
Styrene	100	1036601	1.227	200	2036895	1.176
Tetrachloroethene	100	280043	0.3314	200	555617	0.3209
Trichloroethene	100	373317	0.3895	200	759606	0.3881

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INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS9

00061786

Analytical Method: 8260B

Initial Calibration Date: 07-JUN-06 16:04

Column ID: F

Analyte	WG214755-02			WG214755-03			WG214755-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Trichlorofluoromethane	NA	NA	NA	2.00	11811	0.6364	5.00	29734	0.6621
cis-1,2-Dichloroethene	NA	NA	NA	2.00	5827	0.3140	5.00	14905	0.3319
cis-1,3-Dichloropropene	NA	NA	NA	2.00	7255	0.3909	5.00	19920	0.4436
m-,p-Xylene	1.00	4945	0.6521	4.00	21224	0.6687	10.0	56545	0.7428
o-Xylene	0.500	1860	0.4906	2.00	8768	0.5525	5.00	24867	0.6533
trans-1,2-Dichloroethene	NA	NA	NA	2.00	5675	0.3058	5.00	15003	0.3341
trans-1,3-Dichloropropene	NA	NA	NA	2.00	6719	0.4234	5.00	19952	0.5242

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS9

00061787

Analytical Method: 8260B

Initial Calibration Date: 07-JUN-06 16:04

Column ID: F

Analyte	WG214755-05			WG214755-06			WG214755-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Trichlorofluoromethane	10.0	61471	0.6628	20.0	131744	0.7439	50.0	328488	0.7066
cis-1,2-Dichloroethene	10.0	29258	0.3155	20.0	64649	0.3650	50.0	160940	0.3462
cis-1,3-Dichloropropene	10.0	41284	0.4452	20.0	90774	0.5125	50.0	233440	0.5021
m-,p-Xylene	20.0	114185	0.7029	40.0	245098	0.8176	100	601747	0.6936
o-Xylene	10.0	51490	0.6340	20.0	112484	0.7504	50.0	284059	0.6548
trans-1,2-Dichloroethene	10.0	29270	0.3156	20.0	64028	0.3615	50.0	158688	0.3413
trans-1,3-Dichloropropene	10.0	41692	0.5133	20.0	90259	0.6022	50.0	232705	0.5365

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS9

00061788

Analytical Method: 8260B

Initial Calibration Date: 07-JUN-06 16:04

Column ID: F

Analyte	WG214755-08			WG214755-09		
	CONC	RESP	RF	CONC	RESP	RF
Trichlorofluoromethane	100	671196	0.7004	200	1322495	0.6756
cis-1,2-Dichloroethene	100	340519	0.3553	200	698048	0.3566
cis-1,3-Dichloropropene	100	502468	0.5243	200	1041915	0.5323
m-,p-Xylene	200	1264837	0.7485	400	2440253	0.7047
o-Xylene	100	607445	0.7189	200	1208525	0.6980
trans-1,2-Dichloroethene	100	331507	0.3459	200	681122	0.3480
trans-1,3-Dichloropropene	100	488234	0.5778	200	993845	0.5740

INITIAL CALIBRATION DATA

00061789

Login Number:L0606695

Instrument ID:HPMS11

Analytical Method:8260B

Initial Calibration Date:24-JUN-06 20:13

Column ID:F

Analyte	WG216023-02			WG216023-03			WG216023-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	0.400	2828	0.1993	1.00	7081	0.1969
1,2-Dichloropropane	NA	NA	NA	0.400	3572	0.2518	1.00	9566	0.2660
Chloroform	0.300	3885	0.3608	0.400	5510	0.3884	1.00	14210	0.3951
Ethylbenzene	NA	NA	NA	0.400	4838	0.4513	1.00	13301	0.4978
Toluene	NA	NA	NA	0.400	14473	1.350	1.00	36057	1.349
Vinyl Chloride	NA	NA	NA	0.400	2998	0.2113	1.00	7824	0.2175
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.400	2177	0.3815	1.00	5844	0.4083
1,1-Dichloroethane	NA	NA	NA	0.400	6353	0.4478	1.00	17591	0.4891
Bromoform	NA	NA	NA	NA	NA	NA	1.00	2457	0.09190
Chlorobenzene	NA	NA	NA	0.400	9825	0.9165	1.00	24605	0.9208
Chloromethane	NA	NA	NA	NA	NA	NA	1.00	10282	0.2859
1,1,1-Trichloroethane	NA	NA	NA	0.400	4311	0.3039	1.00	11575	0.3218
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	NA	NA	NA	NA	NA	1.00	7965	0.2214
1,1,2-Trichloroethane	NA	NA	NA	0.400	1790	0.1670	1.00	5549	0.2077
1,2,4-Trichlorobenzene	NA	NA	NA	0.400	5056	0.8859	1.00	12801	0.8943
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	0.400	2117	0.1975	1.00	5282	0.1977
1,2-Dichlorobenzene	0.300	5145	1.223	0.400	6738	1.181	1.00	17438	1.218
1,2-Dichloroethane	NA	NA	NA	0.400	3965	0.2795	1.00	11756	0.3268
1,3-Dichlorobenzene	NA	NA	NA	0.400	7618	1.335	1.00	19553	1.366
1,4-Dichlorobenzene	0.300	5529	1.314	0.400	8105	1.420	1.00	20098	1.404
2-Butanone	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	0.400	13846	0.9760	1.00	34852	0.9690
Bromodichloromethane	NA	NA	NA	0.400	3458	0.2438	1.00	8928	0.2482
Bromomethane	NA	NA	NA	0.400	1928	0.1359	1.00	5218	0.1451
Carbon Disulfide	NA	NA	NA	0.400	10819	0.7626	1.00	25823	0.7179
Carbon Tetrachloride	NA	NA	NA	0.400	3105	0.2189	1.00	8636	0.2401
Chloroethane	NA	NA	NA	0.400	2501	0.1763	1.00	6891	0.1916
Cyclohexane	NA	NA	NA	0.400	6732	0.4745	1.00	16635	0.4625
Dibromochloromethane	NA	NA	NA	0.400	1899	0.1771	1.00	5100	0.1909
Dichlorodifluoromethane	NA	NA	NA	0.400	4108	0.2896	1.00	10330	0.2872
Isopropylbenzene	NA	NA	NA	0.400	14381	1.342	1.00	37259	1.394
Methyl Tert Butyl Ether	NA	NA	NA	NA	NA	NA	1.00	13327	0.3705
Methyl acetate	NA	NA	NA	NA	NA	NA	1.00	3461	0.09620
Methylcyclohexane	NA	NA	NA	NA	NA	NA	1.00	13004	0.3615
Methylene Chloride	NA	NA	NA	0.400	4090	0.2883	1.00	9204	0.2559
Styrene	NA	NA	NA	0.400	8735	0.8148	1.00	22682	0.8488
Tetrachloroethene	NA	NA	NA	0.400	2572	0.2399	1.00	6353	0.2377
Trichloroethene	NA	NA	NA	0.400	3108	0.2191	1.00	8884	0.2470

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INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS11

Analytical Method: 8260B

Initial Calibration Date: 24-JUN-06 20:13

Column ID: F

00061790

Analyte	WG216023-05			WG216023-06			WG216023-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	2.00	13744	0.1960	5.00	36708	0.2005	20.0	164423	0.2156
1,2-Dichloropropane	2.00	18071	0.2577	5.00	48863	0.2669	20.0	202758	0.2659
Chloroform	2.00	27603	0.3936	5.00	73384	0.4009	20.0	305554	0.4007
Ethylbenzene	2.00	26170	0.4937	5.00	66427	0.4921	20.0	267413	0.4846
Toluene	2.00	69926	1.319	5.00	176262	1.306	20.0	722288	1.309
Vinyl Chloride	2.00	14519	0.2070	5.00	36936	0.2018	20.0	149880	0.1966
1,1,2,2-Tetrachloroethane	2.00	11270	0.3964	5.00	31044	0.4316	20.0	130354	0.4404
1,1-Dichloroethane	2.00	34493	0.4919	5.00	89754	0.4903	20.0	380139	0.4985
Bromoform	2.00	4938	0.09320	5.00	13420	0.09940	20.0	69201	0.1254
Chlorobenzene	2.00	47499	0.8961	5.00	120916	0.8957	20.0	478184	0.8666
Chloromethane	2.00	21260	0.3032	5.00	52151	0.2849	20.0	206162	0.2704
1,1,1-Trichloroethane	2.00	23948	0.3415	5.00	62577	0.3419	20.0	264376	0.3467
1,1,2-Trichloro-1,2,2-Trifluoroethane	2.00	15824	0.2257	5.00	43045	0.2352	20.0	182201	0.2389
1,1,2-Trichloroethane	2.00	10321	0.1947	5.00	27634	0.2047	20.0	117058	0.2121
1,2,4-Trichlorobenzene	2.00	24300	0.8547	5.00	61382	0.8535	20.0	252132	0.8517
1,2-Dibromo-3-Chloropropane	2.00	2100	0.07390	5.00	5011	0.06970	20.0	23174	0.07830
1,2-Dibromoethane	2.00	10250	0.1934	5.00	27126	0.2009	20.0	113520	0.2057
1,2-Dichlorobenzene	2.00	35428	1.246	5.00	88222	1.227	20.0	367148	1.240
1,2-Dichloroethane	2.00	22314	0.3182	5.00	58318	0.3186	20.0	249260	0.3269
1,3-Dichlorobenzene	2.00	39040	1.373	5.00	98419	1.368	20.0	401687	1.357
1,4-Dichlorobenzene	2.00	38685	1.361	5.00	101124	1.406	20.0	407260	1.376
2-Butanone	NA	NA	NA	5.00	10155	0.05550	20.0	45024	0.05900
2-Hexanone	NA	NA	NA	5.00	15810	0.1171	20.0	72196	0.1308
4-Methyl-2-Pentanone	NA	NA	NA	5.00	8864	0.04840	20.0	43381	0.05690
Acetone	NA	NA	NA	5.00	7569	0.04130	20.0	29970	0.03930
Benzene	2.00	65471	0.9336	5.00	168460	0.9203	20.0	699772	0.9177
Bromodichloromethane	2.00	17906	0.2553	5.00	47112	0.2574	20.0	205445	0.2694
Bromomethane	2.00	10842	0.1546	5.00	29470	0.1610	20.0	133229	0.1747
Carbon Disulfide	2.00	51129	0.7291	5.00	133215	0.7277	20.0	557788	0.7315
Carbon Tetrachloride	2.00	18263	0.2604	5.00	47144	0.2575	20.0	211495	0.2774
Chloroethane	2.00	14624	0.2085	5.00	37231	0.2034	20.0	155037	0.2033
Cyclohexane	2.00	33030	0.4710	5.00	87360	0.4772	20.0	396231	0.5196
Dibromochloromethane	2.00	10512	0.1983	5.00	28168	0.2087	20.0	128901	0.2336
Dichlorodifluoromethane	2.00	22538	0.3214	5.00	57332	0.3132	20.0	245939	0.3225
Isopropylbenzene	2.00	75154	1.418	5.00	190754	1.413	20.0	794769	1.440
Methyl Tert Butyl Ether	2.00	26427	0.3769	5.00	72461	0.3958	20.0	334585	0.4388
Methyl acetate	2.00	7307	0.1042	5.00	20151	0.1101	20.0	91194	0.1196
Methylcyclohexane	2.00	25323	0.3611	5.00	67323	0.3678	20.0	297827	0.3906
Methylene Chloride	2.00	17997	0.2566	5.00	44205	0.2415	20.0	181284	0.2377
Styrene	2.00	47800	0.9018	5.00	128402	0.9511	20.0	545744	0.9890
Tetrachloroethene	2.00	12998	0.2452	5.00	32043	0.2374	20.0	137843	0.2498
Trichloroethene	2.00	16404	0.2339	5.00	42230	0.2307	20.0	179849	0.2359

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INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS11

Analytical Method: 8260B

Initial Calibration Date: 24-JUN-06 20:13

Column ID: F

00061791

Analyte	WG216023-08			WG216023-09			WG216023-10		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	50.0	404488	0.2115	100	786751	0.2105	200	1473816	0.2044
1,2-Dichloropropane	50.0	510609	0.2669	100	998190	0.2671	200	1910092	0.2650
Chloroform	50.0	751728	0.3930	100	1454350	0.3892	200	2588488	0.3591
Ethylbenzene	50.0	608635	0.4343	100	1092343	0.3827	200	1849531	0.3211
Toluene	50.0	1755088	1.253	100	3265102	1.144	200	5979242	1.038
Vinyl Chloride	50.0	346837	0.1813	100	621028	0.1662	200	1166204	0.1618
1,1,2,2-Tetrachloroethane	50.0	338680	0.4387	100	712743	0.4372	200	1331748	0.4083
1,1-Dichloroethane	50.0	941288	0.4921	100	1772681	0.4743	200	3166309	0.4392
Bromoform	50.0	190081	0.1356	100	429788	0.1506	200	819093	0.1422
Chlorobenzene	50.0	1112814	0.7941	100	2026168	0.7098	200	3490840	0.6060
Chloromethane	50.0	513437	0.2684	100	1077037	0.2882	200	2608717	0.3619
1,1,1-Trichloroethane	50.0	650922	0.3403	100	1234219	0.3303	200	2155304	0.2990
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.0	435137	0.2275	100	794857	0.2127	200	1172703	0.1627
1,1,2-Trichloroethane	50.0	287934	0.2055	100	586519	0.2055	200	1099259	0.1908
1,2,4-Trichlorobenzene	50.0	616589	0.7987	100	1179713	0.7237	200	2052213	0.6291
1,2-Dibromo-3-Chloropropane	50.0	61374	0.07950	100	127632	0.07830	200	242338	0.07430
1,2-Dibromoethane	50.0	286342	0.2043	100	581185	0.2036	200	1104943	0.1918
1,2-Dichlorobenzene	50.0	916438	1.187	100	1782158	1.093	200	3152225	0.9664
1,2-Dichloroethane	50.0	606833	0.3172	100	1172687	0.3138	200	2115964	0.2935
1,3-Dichlorobenzene	50.0	1007321	1.305	100	1973014	1.210	200	3482791	1.068
1,4-Dichlorobenzene	50.0	1011821	1.311	100	1964446	1.205	200	3448989	1.057
2-Butanone	50.0	116779	0.06110	100	248224	0.06640	200	470896	0.06530
2-Hexanone	50.0	191286	0.1365	100	416775	0.1460	200	755707	0.1312
4-Methyl-2-Pentanone	50.0	114406	0.05980	100	247227	0.06620	200	463617	0.06430
Acetone	50.0	72327	0.03780	100	146699	0.03930	200	281352	0.03900
Benzene	50.0	1692541	0.8848	100	3156858	0.8447	200	5386955	0.7473
Bromodichloromethane	50.0	522862	0.2733	100	1054092	0.2821	200	2055230	0.2851
Bromomethane	50.0	349972	0.1830	100	695570	0.1861	200	1100985	0.1527
Carbon Disulfide	50.0	1394016	0.7288	100	2656348	0.7108	200	4753066	0.6594
Carbon Tetrachloride	50.0	541890	0.2833	100	1058793	0.2833	200	1899938	0.2636
Chloroethane	50.0	395332	0.2067	100	768974	0.2058	200	1375921	0.1909
Cyclohexane	50.0	978027	0.5113	100	1860223	0.4978	200	3121666	0.4330
Dibromochloromethane	50.0	336700	0.2403	100	712396	0.2496	200	1375923	0.2389
Dichlorodifluoromethane	50.0	579443	0.3029	100	1083089	0.2898	200	2038757	0.2828
Isopropylbenzene	50.0	1959251	1.398	100	3764267	1.319	200	6781414	1.177
Methyl Tert Butyl Ether	50.0	835835	0.4370	100	1599728	0.4281	200	2667892	0.3701
Methyl acetate	50.0	232125	0.1214	100	466623	0.1249	200	824324	0.1144
Methylcyclohexane	50.0	724857	0.3789	100	1353751	0.3622	200	2349237	0.3259
Methylene Chloride	50.0	444339	0.2323	100	840241	0.2248	200	1492267	0.2070
Styrene	50.0	1339531	0.9559	100	2573623	0.9016	200	4518100	0.7843
Tetrachloroethene	50.0	337060	0.2405	100	629567	0.2206	200	1165942	0.2024
Trichloroethene	50.0	444910	0.2326	100	834417	0.2233	200	1483270	0.2058

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INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS11

00061792

Analytical Method: 8260B

Initial Calibration Date: 24-JUN-06 20:13

Column ID: F

Analyte	WG216023-02			WG216023-03			WG216023-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Trichlorofluoromethane	NA	NA	NA	0.400	4949	0.3489	1.00	12463	0.3465
cis-1,2-Dichloroethene	NA	NA	NA	0.400	3196	0.2253	1.00	8519	0.2368
cis-1,3-Dichloropropene	NA	NA	NA	0.400	4467	0.3149	1.00	11766	0.3271
m-,p-Xylene	NA	NA	NA	0.800	12977	0.6053	2.00	31968	0.5982
o-Xylene	NA	NA	NA	0.400	6053	0.5646	1.00	15661	0.5861
trans-1,2-Dichloroethene	NA	NA	NA	0.400	3234	0.2280	1.00	8313	0.2311
trans-1,3-Dichloropropene	NA	NA	NA	0.400	3755	0.3503	1.00	10289	0.3850

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS11

00061793

Analytical Method: 8260B

Initial Calibration Date: 24-JUN-06 20:13

Column ID: F

Analyte	WG216023-05			WG216023-06			WG216023-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Trichlorofluoromethane	2.00	26042	0.3714	5.00	69382	0.3790	20.0	290206	0.3806
cis-1,2-Dichloroethene	2.00	16738	0.2387	5.00	44100	0.2409	20.0	190102	0.2493
cis-1,3-Dichloropropene	2.00	23589	0.3364	5.00	61754	0.3374	20.0	269788	0.3538
m-,p-Xylene	4.00	66844	0.6305	10.0	165592	0.6133	40.0	658397	0.5966
o-Xylene	2.00	30774	0.5806	5.00	79863	0.5916	20.0	328308	0.5950
trans-1,2-Dichloroethene	2.00	16389	0.2337	5.00	44423	0.2427	20.0	182817	0.2397
trans-1,3-Dichloropropene	2.00	19484	0.3676	5.00	53017	0.3927	20.0	229358	0.4156

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS11

00061794

Analytical Method: 8260B

Initial Calibration Date: 24-JUN-06 20:13

Column ID: F

Analyte	WG216023-08			WG216023-09			WG216023-10		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Trichlorofluoromethane	50.0	724452	0.3787	100	1428335	0.3822	200	2779729	0.3856
cis-1,2-Dichloroethene	50.0	466911	0.2441	100	868357	0.2324	200	1512293	0.2098
cis-1,3-Dichloropropene	50.0	673163	0.3519	100	1322339	0.3538	200	2504175	0.3474
m-,p-Xylene	100	1540066	0.5495	200	2771132	0.4854	400	4716298	0.4094
o-Xylene	50.0	796192	0.5682	100	1504307	0.5270	200	2638399	0.4580
trans-1,2-Dichloroethene	50.0	444765	0.2325	100	813692	0.2177	200	1288572	0.1788
trans-1,3-Dichloropropene	50.0	572359	0.4085	100	1156146	0.4050	200	2202981	0.3824

ALTERNATE SOURCE CALIBRATION REPORT

00061795

Login Number: L0606695 Run Date: 04/23/2006 Sample ID: WG211705-11
 Instrument ID: HPMS8 Run Time: 01:42 Method: 8260B
 File ID: 8M326688 Analyst: MES
 ICal Workgroup: WG211705 Cal ID: HPMS8 - 22-APR-06

Analyte		Expected	Found	RF	%D	UNITS	Q
1,1-Dichloroethene	CCC	20	21.4	0.471	7.1	ug/L	
1,2-Dichloropropane	CCC	20	22.3	0.266	11.4	ug/L	
Chloroform	CCC	20	21.4	0.580	7	ug/L	
Ethylbenzene	CCC	20	21.8	0.594	8.8	ug/L	
Toluene	CCC	20	21.1	1.60	5.3	ug/L	
Vinyl Chloride	CCC	20	22.1	0.293	10.5	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	20	20.0	0.433	0	ug/L	
1,1-Dichloroethane	SPCC	20	21.6	0.543	8.1	ug/L	
Bromoform	SPCC	20	21.2	0.193	6.1	ug/L	
Chlorobenzene	SPCC	20	21.4	1.10	6.8	ug/L	
Chloromethane	SPCC	20	20.4	0.304	1.9	ug/L	
1,1,1-Trichloroethane		20	21.8	0.581	9.2	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane		20	19.7	0.296	1.3	ug/L	
1,1,2-Trichloroethane		20	21.7	0.250	8.5	ug/L	
1,2,4-Trichlorobenzene		20	22.0	1.02	10.1	ug/L	
1,2-Dibromo-3-Chloropropane		20	21.9	0.0928	9.4	ug/L	
1,2-Dibromoethane		20	22.0	0.257	9.9	ug/L	
1,2-Dichlorobenzene		20	21.4	1.48	6.8	ug/L	
1,2-Dichloroethane		20	22.0	0.421	9.8	ug/L	
cis-1,2-Dichloroethene		20	23.7	0.487	18.5	ug/L	
trans-1,2-Dichloroethene		20	21.2	0.433	6	ug/L	
1,3-Dichlorobenzene		20	20.9	1.67	4.7	ug/L	
1,4-Dichlorobenzene		20	20.9	1.70	4.7	ug/L	
2-Butanone		20	19.5	0.0533	2.7	ug/L	
2-Hexanone		20	19.4	0.106	3	ug/L	
4-Methyl-2-Pentanone		20	20.5	0.0472	2.3	ug/L	
Acetone		20	19.3	0.0418	3.4	ug/L	
Benzene		20	21.4	1.12	6.9	ug/L	
Bromodichloromethane		20	22.2	0.421	11	ug/L	
Bromomethane		20	22.5	0.228	12.6	ug/L	
Carbon Disulfide		20	19.4	0.834	3	ug/L	
Carbon Tetrachloride		20	21.7	0.522	8.4	ug/L	
Chloroethane		20	22.8	0.207	14	ug/L	
cis-1,3-Dichloropropene		20	21.9	0.452	9.6	ug/L	
Cyclohexane		20	21.1	0.430	5.5	ug/L	
Dibromochloromethane		20	22.3	0.357	11.4	ug/L	
Dichlorodifluoromethane		20	19.5	0.432	2.3	ug/L	
Isopropylbenzene		20	20.0	1.64	.1	ug/L	
Methyl acetate		20	19.3	0.121	3.4	ug/L	
Methyl Tert Butyl Ether		20	23.1	0.615	15.5	ug/L	
Methylcyclohexane		20	21.2	0.388	5.8	ug/L	
Methylene Chloride		20	20.4	0.279	1.8	ug/L	

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ALTERNATE SOURCE CALIBRATION REPORT

00061796

Login Number: L0606695 Run Date: 04/23/2006 Sample ID: WG211705-11
Instrument ID: HPMS8 Run Time: 01:42 Method: 8260B
File ID: 8M326688 Analyst: MES
ICal Workgroup: WG211705 Cal ID: HPMS8 - 22-APR-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Styrene		20	22.6	1.19	12.8	ug/L	
Tetrachloroethene		20	21.3	0.341	6.3	ug/L	
trans-1,3-Dichloropropene		20	20.6	0.482	3.1	ug/L	
Trichloroethene		20	22.8	0.368	14.1	ug/L	
Trichlorofluoromethane		20	21.0	0.597	5	ug/L	
m-,p-Xylene		40	43.2	0.732	8	ug/L	
o-Xylene		20	22.0	0.708	10.2	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

ALTERNATE SOURCE CALIBRATION REPORT

00061797

Login Number: L0606695 Run Date: 06/07/2006 Sample ID: WG214755-10
 Instrument ID: HPMS9 Run Time: 16:36 Method: 8260B
 File ID: 9M46664 Analyst: MES
 ICal Workgroup: WG214755 Cal ID: HPMS9 - 07-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
1,1-Dichloroethene	CCC	20	19.1	0.293	4.5	ug/kg	
1,2-Dichloropropane	CCC	20	21.0	0.342	4.9	ug/kg	
Chloroform	CCC	20	21.1	0.642	5.4	ug/kg	
Ethylbenzene	CCC	20	22.5	0.647	12.5	ug/kg	
Toluene	CCC	20	21.2	1.64	6	ug/kg	
Vinyl Chloride	CCC	20	19.7	0.271	1.6	ug/kg	
1,1,2,2-Tetrachloroethane	SPCC	20	21.4	0.766	7.2	ug/kg	
1,1-Dichloroethane	SPCC	20	20.1	0.652	.6	ug/kg	
Bromoform	SPCC	20	21.8	0.259	9.2	ug/kg	
Chlorobenzene	SPCC	20	21.2	1.19	6.2	ug/kg	
Chloromethane	SPCC	20	19.2	0.395	4.2	ug/kg	
1,1,1-Trichloroethane		20	21.3	0.623	6.5	ug/kg	
1,1,2-Trichloro-1,2,2-Trifluoroethane		20	21.0	0.394	5.2	ug/kg	
1,1,2-Trichloroethane		20	22.0	0.339	10	ug/kg	
1,2,4-Trichlorobenzene		20	20.6	1.07	2.9	ug/kg	
1,2-Dibromo-3-Chloropropane		20	20.2	0.162	.8	ug/kg	
1,2-Dibromoethane		20	21.8	0.357	9.2	ug/kg	
1,2-Dichlorobenzene		20	21.3	1.61	6.3	ug/kg	
1,2-Dichloroethane		20	21.3	0.566	6.6	ug/kg	
cis-1,2-Dichloroethene		20	20.7	0.352	3.4	ug/kg	
trans-1,2-Dichloroethene		20	19.7	0.330	1.7	ug/kg	
1,3-Dichlorobenzene		20	20.8	1.73	3.9	ug/kg	
1,4-Dichlorobenzene		20	20.8	1.78	4.1	ug/kg	
2-Butanone		20	21.0	0.153	4.9	ug/kg	
2-Hexanone		20	18.9	0.256	5.4	ug/kg	
4-Methyl-2-Pentanone		20	20.4	0.125	2.1	ug/kg	
Acetone		20	21.5	0.130	7.3	ug/kg	
Benzene		20	20.2	1.25	1.2	ug/kg	
Bromodichloromethane		20	22.5	0.466	12.6	ug/kg	
Bromomethane		20	18.0	0.139	9.8	ug/kg	
Carbon Disulfide		20	20.5	1.01	2.4	ug/kg	
Carbon Tetrachloride		20	21.8	0.588	9.2	ug/kg	
Chloroethane		20	20.1	0.239	.4	ug/kg	
cis-1,3-Dichloropropene		20	21.5	0.515	7.5	ug/kg	
Cyclohexane		20	20.9	0.637	4.6	ug/kg	
Dibromochloromethane		20	22.1	0.413	10.6	ug/kg	
Dichlorodifluoromethane		20	17.2	0.391	14.2	ug/kg	
Isopropylbenzene		20	21.0	1.83	5.1	ug/kg	
Methyl acetate		20	23.0	0.394	15	ug/kg	
Methyl Tert Butyl Ether		20	20.7	0.872	3.4	ug/kg	
Methylcyclohexane		20	21.9	0.593	9.6	ug/kg	
Methylene Chloride		20	19.5	0.316	2.6	ug/kg	

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ALTERNATE SOURCE CALIBRATION REPORT

00061798

Login Number: L0606695 Run Date: 06/07/2006 Sample ID: WG214755-10
Instrument ID: HPMS9 Run Time: 16:36 Method: 8260B
File ID: 9M46664 Analyst: MES
ICal Workgroup: WG214755 Cal ID: HPMS9 - 07-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Styrene		20	22.3	1.23	11.6	ug/kg	
Tetrachloroethene		20	21.8	0.355	9.1	ug/kg	
trans-1,3-Dichloropropene		20	20.0	0.537	.2	ug/kg	
Trichloroethene		20	20.9	0.394	4.5	ug/kg	
Trichlorofluoromethane		20	18.7	0.641	6.4	ug/kg	
m-,p-Xylene		40	44.9	0.804	12.3	ug/kg	
o-Xylene		20	22.7	0.731	13.5	ug/kg	

* Exceeds %D Limit

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

ALTERNATE SOURCE CALIBRATION REPORT

00061799

Login Number: L0606695 Run Date: 06/24/2006 Sample ID: WG216023-11
 Instrument ID: HPMS11 Run Time: 21:44 Method: 8260B
 File ID: 11M34461 Analyst: MES
 ICal Workgroup: WG216023 Cal ID: HPMS11 - 24-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
1,1-Dichloroethene	CCC	20	22.3	0.228	11.7	ug/L	
1,2-Dichloropropane	CCC	20	21.4	0.281	6.8	ug/L	
Chloroform	CCC	20	21.6	0.417	7.8	ug/L	
Ethylbenzene	CCC	20	22.8	0.507	13.9	ug/L	
Toluene	CCC	20	21.6	1.36	7.8	ug/L	
Vinyl Chloride	CCC	20	19.6	0.189	2	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	20	20.9	0.437	4.5	ug/L	
1,1-Dichloroethane	SPCC	20	21.8	0.521	9	ug/L	
Bromoform	SPCC	20	19.2	0.131	4.2	ug/L	
Chlorobenzene	SPCC	20	21.3	0.878	6.4	ug/L	
Chloromethane	SPCC	20	18.6	0.273	7.2	ug/L	
1,1,1-Trichloroethane		20	22.1	0.363	10.6	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane		20	21.0	0.229	4.9	ug/L	
1,1,2-Trichloroethane		20	22.8	0.227	14.1	ug/L	
1,2,4-Trichlorobenzene		20	22.3	0.906	11.6	ug/L	
1,2-Dibromo-3-Chloropropane		20	21.8	0.0823	8.8	ug/L	
1,2-Dibromoethane		20	21.7	0.216	8.4	ug/L	
1,2-Dichlorobenzene		20	21.7	1.27	8.3	ug/L	
1,2-Dichloroethane		20	21.4	0.333	6.9	ug/L	
cis-1,2-Dichloroethene		20	22.7	0.267	13.7	ug/L	
trans-1,2-Dichloroethene		20	22.2	0.250	10.8	ug/L	
1,3-Dichlorobenzene		20	21.6	1.40	7.8	ug/L	
1,4-Dichlorobenzene		20	21.4	1.41	6.9	ug/L	
2-Butanone		20	20.3	0.0623	1.3	ug/L	
2-Hexanone		20	19.6	0.130	2.1	ug/L	
4-Methyl-2-Pentanone		20	19.8	0.0584	1.2	ug/L	
Acetone		20	20.1	0.0396	.6	ug/L	
Benzene		20	21.7	0.977	8.6	ug/L	
Bromodichloromethane		20	22.2	0.293	11	ug/L	
Bromomethane		20	21.1	0.171	5.5	ug/L	
Carbon Disulfide		20	21.8	0.785	8.9	ug/L	
Carbon Tetrachloride		20	23.0	0.299	14.9	ug/L	
Chloroethane		20	19.9	0.197	.7	ug/L	
cis-1,3-Dichloropropene		20	21.7	0.369	8.4	ug/L	
Cyclohexane		20	21.4	0.515	7.1	ug/L	
Dibromochloromethane		20	23.2	0.252	16.1	ug/L	
Dichlorodifluoromethane		20	18.3	0.276	8.3	ug/L	
Isopropylbenzene		20	20.3	1.38	1.3	ug/L	
Methyl acetate		20	24.2	0.137	21.1	ug/L	
Methyl Tert Butyl Ether		20	24.7	0.497	23.5	ug/L	
Methylcyclohexane		20	21.2	0.387	6.2	ug/L	
Methylene Chloride		20	20.0	0.243	.1	ug/L	

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ALTERNATE SOURCE CALIBRATION REPORT

00061800

Login Number: L0606695 Run Date: 06/24/2006 Sample ID: WG216023-11
Instrument ID: HPMS11 Run Time: 21:44 Method: 8260B
File ID: 11M34461 Analyst: MES
ICal Workgroup: WG216023 Cal ID: HPMS11 - 24-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Styrene		20	23.3	1.04	16.7	ug/L	
Tetrachloroethene		20	22.1	0.259	10.7	ug/L	
trans-1,3-Dichloropropene		20	20.3	0.395	1.7	ug/L	
Trichloroethene		20	23.5	0.269	17.6	ug/L	
Trichlorofluoromethane		20	18.7	0.348	6.3	ug/L	
m-,p-Xylene		40	44.3	0.622	10.8	ug/L	
o-Xylene		20	22.3	0.623	11.5	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

CONTINUING CALIBRATION VERIFICATION (CCV)

00061801

Login Number: L0606695 Run Date: 07/05/2006 Sample ID: WG216607-02
 Instrument ID: HPMS9 Run Time: 10:35 Method: 8260B
 File ID: 9M47049 Analvt: MES
 Workgroup (AAB#): WG216608 Cal ID: HPMS9 - 07-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
1,1-Dichloroethene	CCC	50	54.9	0.337	9.7	ug/kg	
1,2-Dichloropropane	CCC	50	52.6	0.343	5.3	ug/kg	
Chloroform	CCC	50	55.8	0.680	11.7	ug/kg	
Ethylbenzene	CCC	50	45.8	0.527	8.3	ug/kg	
Toluene	CCC	50	44.5	1.38	10.9	ug/kg	
Vinyl Chloride	CCC	50	54.5	0.301	9	ug/kg	
1,1,2,2-Tetrachloroethane	SPCC	50	43.7	0.624	12.7	ug/kg	
1,1-Dichloroethane	SPCC	50	54.2	0.701	8.3	ug/kg	
Bromoform	SPCC	50	53.6	0.254	7.2	ug/kg	
Chlorobenzene	SPCC	50	44.0	0.982	12.1	ug/kg	
Chloromethane	SPCC	50	48.9	0.404	2.1	ug/kg	
1,1,1-Trichloroethane		50	59.2	0.693	18.4	ug/kg	
1,1,2-Trichloro-1,2,2-Trifluoroethane		50	54.3	0.407	8.6	ug/kg	
1,1,2-Trichloroethane		50	45.3	0.279	9.4	ug/kg	
1,2,4-Trichlorobenzene		50	43.0	0.894	13.9	ug/kg	
1,2-Dibromo-3-Chloropropane		50	49.1	0.158	1.9	ug/kg	
1,2-Dibromoethane		50	46.7	0.305	6.5	ug/kg	
1,2-Dichlorobenzene		50	42.6	1.29	14.8	ug/kg	
1,2-Dichloroethane		50	57.0	0.605	13.9	ug/kg	
cis-1,2-Dichloroethene		50	54.1	0.369	8.2	ug/kg	
trans-1,2-Dichloroethene		50	54.4	0.365	8.7	ug/kg	
1,3-Dichlorobenzene		50	41.3	1.38	17.4	ug/kg	
1,4-Dichlorobenzene		50	41.2	1.41	17.7	ug/kg	
2-Butanone		50	58.2	0.169	16.4	ug/kg	
2-Hexanone		50	49.4	0.267	1.3	ug/kg	
4-Methyl-2-Pentanone		50	60.9	0.149	21.8	ug/kg	
Acetone		50	66.6	0.140	33.2	ug/kg	
Benzene		50	53.3	1.32	6.6	ug/kg	
Bromodichloromethane		50	58.4	0.483	16.9	ug/kg	
Bromomethane		50	64.1	0.198	28.3	ug/kg	
Carbon Disulfide		50	51.1	1.01	2.1	ug/kg	
Carbon Tetrachloride		50	61.3	0.660	22.6	ug/kg	
Chloroethane		50	56.8	0.271	13.6	ug/kg	
cis-1,3-Dichloropropene		50	57.5	0.550	14.9	ug/kg	
Cyclohexane		50	54.2	0.661	8.5	ug/kg	
Dibromochloromethane		50	49.8	0.372	.5	ug/kg	
Dichlorodifluoromethane		50	50.4	0.459	.7	ug/kg	
Isopropylbenzene		50	47.4	1.66	5.1	ug/kg	
Methyl acetate		50	47.8	0.328	4.4	ug/kg	
Methyl Tert Butyl Ether		50	52.3	0.883	4.6	ug/kg	
Methylcyclohexane		50	58.1	0.628	16.2	ug/kg	
Methylene Chloride		50	53.7	0.348	7.4	ug/kg	

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CONTINUING CALIBRATION VERIFICATION (CCV)

00061802

Login Number: L0606695 Run Date: 07/05/2006 Sample ID: WG216607-02
Instrument ID: HPMS9 Run Time: 10:35 Method: 8260B
File ID: 9M47049 Analyst: MES
Workgroup (AAB#): WG216608 Cal ID: HPMS9 - 07-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Styrene		50	47.8	1.05	4.4	ug/kg	
Tetrachloroethene		50	45.6	0.297	8.7	ug/kg	
trans-1,3-Dichloropropene		50	48.9	0.524	2.3	ug/kg	
Trichloroethene		50	54.2	0.409	8.4	ug/kg	
Trichlorofluoromethane		50	58.7	0.803	17.4	ug/kg	
m-,p-Xylene		100	92.5	0.663	7.5	ug/kg	
o-Xylene		50	48.1	0.619	3.9	ug/kg	

* Exceeds %D Criteria

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

CONTINUING CALIBRATION VERIFICATION (CCV)

00061803

Login Number: L0606695 Run Date: 07/05/2006 Sample ID: WG216611-02
 Instrument ID: HPMS11 Run Time: 09:53 Method: 8260B
 File ID: 11M34649 Analyst: CMS
 Workgroup (AAB#): WG216612 Cal ID: HPMS11 - 24-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
1,1-Dichloroethene	CCC	50	43.9	0.179	12.2	ug/L	
1,2-Dichloropropane	CCC	50	46.8	0.247	6.3	ug/L	
Chloroform	CCC	50	49.9	0.386	.3	ug/L	
Ethylbenzene	CCC	50	54.0	0.481	8.1	ug/L	
Toluene	CCC	50	50.5	1.27	.9	ug/L	
Vinyl Chloride	CCC	50	59.9	0.231	19.8	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	45.7	0.382	8.7	ug/L	
1,1-Dichloroethane	SPCC	50	49.6	0.474	.8	ug/L	
Bromoform	SPCC	50	39.0	0.110	22.1	ug/L	
Chlorobenzene	SPCC	50	51.3	0.848	2.7	ug/L	
Chloromethane	SPCC	50	41.9	0.247	16.3	ug/L	
1,1,1-Trichloroethane		50	49.4	0.324	1.3	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane		50	56.2	0.245	12.4	ug/L	
1,1,2-Trichloroethane		50	45.9	0.182	8.2	ug/L	
1,2,4-Trichlorobenzene		50	40.7	0.660	18.6	ug/L	
1,2-Dibromo-3-Chloropropane		50	37.1	0.0561	25.8	ug/L	
1,2-Dibromoethane		50	44.6	0.178	10.8	ug/L	
1,2-Dichlorobenzene		50	47.7	1.12	4.7	ug/L	
1,2-Dichloroethane		50	46.2	0.288	7.5	ug/L	
cis-1,2-Dichloroethene		50	50.5	0.237	1	ug/L	
trans-1,2-Dichloroethene		50	49.7	0.224	.6	ug/L	
1,3-Dichlorobenzene		50	50.7	1.32	1.4	ug/L	
1,4-Dichlorobenzene		50	49.8	1.31	.3	ug/L	
2-Butanone		50	37.9	0.0466	24.1	ug/L	
2-Hexanone		50	38.4	0.102	23.2	ug/L	
4-Methyl-2-Pentanone		50	35.8	0.0424	28.3	ug/L	
Acetone		50	48.0	0.0378	4.1	ug/L	
Benzene		50	47.3	0.851	5.4	ug/L	
Bromodichloromethane		50	47.2	0.249	5.6	ug/L	
Bromomethane		50	34.7	0.112	30.5	ug/L	
Carbon Disulfide		50	52.3	0.754	4.5	ug/L	
Carbon Tetrachloride		50	51.0	0.266	2	ug/L	
Chloroethane		50	49.0	0.194	2	ug/L	
cis-1,3-Dichloropropene		50	46.5	0.317	7	ug/L	
Cyclohexane		50	49.0	0.471	2	ug/L	
Dibromochloromethane		50	49.8	0.216	.3	ug/L	
Dichlorodifluoromethane		50	42.3	0.255	15.5	ug/L	
Isopropylbenzene		50	52.8	1.44	5.5	ug/L	
Methyl acetate		50	46.2	0.105	7.5	ug/L	
Methyl Tert Butyl Ether		50	44.1	0.355	11.8	ug/L	
Methylcyclohexane		50	49.6	0.361	.7	ug/L	
Methylene Chloride		50	43.9	0.213	12.2	ug/L	

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CONTINUING CALIBRATION VERIFICATION (CCV)

00061804

Login Number: L0606695 Run Date: 07/05/2006 Sample ID: WG216611-02
Instrument ID: HPMS11 Run Time: 09:53 Method: 8260B
File ID: 11M34649 Analvst: CMS
Workgroup (AAB#): WG216612 Cal ID: HPMS11 - 24-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Styrene		50	54.3	0.971	8.7	ug/L	
Tetrachloroethene		50	48.5	0.227	2.9	ug/L	
trans-1,3-Dichloropropene		50	46.5	0.361	7.1	ug/L	
Trichloroethene		50	49.8	0.228	.5	ug/L	
Trichlorofluoromethane		50	50.4	0.375	.9	ug/L	
m-,p-Xylene		100	106	0.595	6.1	ug/L	
o-Xylene		50	52.8	0.590	5.6	ug/L	

* Exceeds %D Criteria

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

CONTINUING CALIBRATION VERIFICATION (CCV)

00061805

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216691-02
 Instrument ID: HPMS8 Run Time: 08:05 Method: 8260B
 File ID: 8M328460 Analyst: CMS
 Workgroup (AAB#): WG216692 Cal ID: HPMS8 - 22-APR-06

Analyte		Expected	Found	RF	%D	UNITS	Q
1,1-Dichloroethene	CCC	50	43.5	0.382	13.1	ug/L	
1,2-Dichloropropane	CCC	50	52.5	0.251	4.9	ug/L	
Chloroform	CCC	50	53.0	0.575	6	ug/L	
Ethylbenzene	CCC	50	50.7	0.554	1.4	ug/L	
Toluene	CCC	50	49.9	1.51	.3	ug/L	
Vinyl Chloride	CCC	50	51.6	0.273	3.1	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	50.5	0.438	1.1	ug/L	
1,1-Dichloroethane	SPCC	50	50.7	0.509	1.4	ug/L	
Bromoform	SPCC	50	54.2	0.197	8.3	ug/L	
Chlorobenzene	SPCC	50	51.2	1.05	2.4	ug/L	
Chloromethane	SPCC	50	52.2	0.311	4.5	ug/L	
1,1,1-Trichloroethane		50	53.3	0.566	6.5	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane		50	52.6	0.315	5.3	ug/L	
1,1,2-Trichloroethane		50	50.6	0.233	1.2	ug/L	
1,2,4-Trichlorobenzene		50	49.3	0.914	1.4	ug/L	
1,2-Dibromo-3-Chloropropane		50	52.0	0.0883	4.1	ug/L	
1,2-Dibromoethane		50	50.8	0.238	1.5	ug/L	
1,2-Dichlorobenzene		50	50.5	1.40	1	ug/L	
1,2-Dichloroethane		50	53.9	0.413	7.8	ug/L	
cis-1,2-Dichloroethene		50	50.7	0.417	1.4	ug/L	
trans-1,2-Dichloroethene		50	49.3	0.403	1.3	ug/L	
1,3-Dichlorobenzene		50	50.9	1.62	1.8	ug/L	
1,4-Dichlorobenzene		50	50.2	1.63	.5	ug/L	
2-Butanone		50	49.8	0.0545	.5	ug/L	
2-Hexanone		50	52.0	0.114	3.9	ug/L	
4-Methyl-2-Pentanone		50	55.1	0.0508	10.2	ug/L	
Acetone		50	52.7	0.0457	5.5	ug/L	
Benzene		50	49.4	1.04	1.2	ug/L	
Bromodichloromethane		50	53.9	0.408	7.7	ug/L	
Bromomethane		50	51.8	0.210	3.6	ug/L	
Carbon Disulfide		50	47.8	0.821	4.5	ug/L	
Carbon Tetrachloride		50	54.0	0.521	8	ug/L	
Chloroethane		50	52.2	0.189	4.4	ug/L	
cis-1,3-Dichloropropene		50	54.7	0.451	9.4	ug/L	
Cyclohexane		50	55.7	0.454	11.3	ug/L	
Dibromochloromethane		50	54.5	0.350	9	ug/L	
Dichlorodifluoromethane		50	43.3	0.382	13.4	ug/L	
Isopropylbenzene		50	53.7	1.77	7.4	ug/L	
Methyl acetate		50	47.9	0.121	4.1	ug/L	
Methyl Tert Butyl Ether		50	54.2	0.577	8.4	ug/L	
Methylcyclohexane		50	57.2	0.420	14.4	ug/L	
Methylene Chloride		50	45.8	0.251	8.5	ug/L	

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CONTINUING CALIBRATION VERIFICATION (CCV)

00061806

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216691-02
Instrument ID: HPMS8 Run Time: 08:05 Method: 8260B
File ID: 8M328460 Analvst: CMS
Workgroup (AAB#): WG216692 Cal ID: HPMS8 - 22-APR-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Styrene		50	53.9	1.14	7.8	ug/L	
Tetrachloroethene		50	50.2	0.322	.5	ug/L	
trans-1,3-Dichloropropene		50	55.2	0.516	10.3	ug/L	
Trichloroethene		50	51.3	0.330	2.5	ug/L	
Trichlorofluoromethane		50	55.1	0.627	10.2	ug/L	
m-,p-Xylene		100	104	0.705	4.1	ug/L	
o-Xylene		50	52.3	0.672	4.6	ug/L	

* Exceeds %D Criteria

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

CONTINUING CALIBRATION VERIFICATION (CCV)

00061807

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216696-02
 Instrument ID: HPMS9 Run Time: 09:20 Method: 8260B
 File ID: 9M47080 Analvt: MES
 Workgroup (AAB#): WG216697 Cal ID: HPMS9 - 07-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
1,1-Dichloroethene	CCC	50	54.7	0.336	9.5	ug/kg	
1,2-Dichloropropane	CCC	50	53.9	0.351	7.8	ug/kg	
Chloroform	CCC	50	56.7	0.690	13.3	ug/kg	
Ethylbenzene	CCC	50	44.0	0.505	12.1	ug/kg	
Toluene	CCC	50	43.3	1.34	13.5	ug/kg	
Vinyl Chloride	CCC	50	55.5	0.306	11	ug/kg	
1,1,2,2-Tetrachloroethane	SPCC	50	41.7	0.596	16.5	ug/kg	
1,1-Dichloroethane	SPCC	50	54.8	0.710	9.7	ug/kg	
Bromoform	SPCC	50	51.2	0.242	2.4	ug/kg	
Chlorobenzene	SPCC	50	43.1	0.963	13.7	ug/kg	
Chloromethane	SPCC	50	49.0	0.404	2.1	ug/kg	
1,1,1-Trichloroethane		50	60.4	0.707	20.7	ug/kg	
1,1,2-Trichloro-1,2,2-Trifluoroethane		50	55.1	0.413	10.2	ug/kg	
1,1,2-Trichloroethane		50	44.3	0.273	11.4	ug/kg	
1,2,4-Trichlorobenzene		50	39.9	0.829	20.2	ug/kg	
1,2-Dibromo-3-Chloropropane		50	44.5	0.143	11	ug/kg	
1,2-Dibromoethane		50	44.8	0.293	10.3	ug/kg	
1,2-Dichlorobenzene		50	40.7	1.23	18.6	ug/kg	
1,2-Dichloroethane		50	57.4	0.610	14.8	ug/kg	
cis-1,2-Dichloroethene		50	54.7	0.373	9.4	ug/kg	
trans-1,2-Dichloroethene		50	54.2	0.364	8.3	ug/kg	
1,3-Dichlorobenzene		50	39.5	1.32	21	ug/kg	
1,4-Dichlorobenzene		50	39.4	1.35	21.2	ug/kg	
2-Butanone		50	56.1	0.163	12.1	ug/kg	
2-Hexanone		50	47.3	0.256	5.4	ug/kg	
4-Methyl-2-Pentanone		50	58.2	0.142	16.3	ug/kg	
Acetone		50	67.0	0.141	34	ug/kg	
Benzene		50	53.1	1.31	6.2	ug/kg	
Bromodichloromethane		50	59.9	0.495	19.8	ug/kg	
Bromomethane		50	62.4	0.192	24.8	ug/kg	
Carbon Disulfide		50	51.0	1.01	2	ug/kg	
Carbon Tetrachloride		50	62.2	0.669	24.4	ug/kg	
Chloroethane		50	56.1	0.268	12.2	ug/kg	
cis-1,3-Dichloropropene		50	57.3	0.549	14.6	ug/kg	
Cyclohexane		50	55.3	0.674	10.7	ug/kg	
Dibromochloromethane		50	48.5	0.362	3	ug/kg	
Dichlorodifluoromethane		50	49.9	0.455	.2	ug/kg	
Isopropylbenzene		50	46.1	1.61	7.8	ug/kg	
Methyl acetate		50	46.3	0.317	7.5	ug/kg	
Methyl Tert Butyl Ether		50	52.0	0.878	4	ug/kg	
Methylcyclohexane		50	57.8	0.625	15.6	ug/kg	
Methylene Chloride		50	52.7	0.342	5.4	ug/kg	

KEMRON FORMS - Modified 06/21/2006
 Version 1.3 PDF File ID: 511696
 Report generated 07/11/2006 08:18

CONTINUING CALIBRATION VERIFICATION (CCV)

00061808

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216696-02
Instrument ID: HPMS9 Run Time: 09:20 Method: 8260B
File ID: 9M47080 Analvst: MES
Workgroup (AAB#): WG216697 Cal ID: HPMS9 - 07-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Styrene		50	46.9	1.04	6.2	ug/kg	
Tetrachloroethene		50	43.9	0.286	12.1	ug/kg	
trans-1,3-Dichloropropene		50	48.3	0.518	3.4	ug/kg	
Trichloroethene		50	53.7	0.405	7.4	ug/kg	
Trichlorofluoromethane		50	59.6	0.815	19.2	ug/kg	
m-,p-Xylene		100	88.5	0.634	11.5	ug/kg	
o-Xylene		50	46.5	0.599	7.1	ug/kg	

* Exceeds %D Criteria

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061809

Login Number: L0606695
Instrument ID: HPMS9
Workgroup (AAB#): WG216608

CCV Number: WG216607-02
CAL ID: HPMS9 - 07-JUN-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG216607-02	NA	NA	314932	525805	488800
Upper Limit	NA	NA	629864	1051610	977600
Lower Limit	NA	NA	157466	262903	244400
L0606695-02	1.00	01	236679	425769	397296
L0606695-04	1.00	01	239276	430441	398922
L0606695-11	1.00	01	244607	397966	382089
WG216608-01	1.00	01	287986	503374	485501
WG216608-02	1.00	01	308455	518442	483706
WG216608-03	1.00	01	310505	517972	481551

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061810

Login Number: L0606695
Instrument ID: HPMS11
Workgroup (AAB#): WG216612

CCV Number: WG216611-02
CAL ID: HPMS11 - 24-JUN-06
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG216611-02	NA	NA	278908	525720	725725
Upper Limit	NA	NA	557816	1051440	1451450
Lower Limit	NA	NA	139454	262860	362863
L0606695-16	1.00	01	223236	464160	658811
L0606695-18	1.00	01	215814	446927	634822
L0606695-19	1.00	01	208230	429834	616094
L0606695-20	1.00	01	201427	420757	596605
WG216612-01	1.00	01	237585	492611	696835
WG216612-02	1.00	01	269049	514917	715074
WG216612-03	1.00	01	278786	537007	739438

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061811

Login Number: L0606695
Instrument ID: HPMS8
Workgroup (AAB#): WG216692

CCV Number: WG216691-02
CAL ID: HPMS8 - 22-APR-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG216691-02	NA	NA	485160	901532	1121856
Upper Limit	NA	NA	970320	1803064	2243712
Lower Limit	NA	NA	242580	450766	560928
L0606695-04	50.0	DL01	431207	785723	940379
WG216692-01	50.0	DL01	441338	804633	971160
WG216692-02	50.0	DL01	466111	833304	966767

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061812

Login Number: L0606695
Instrument ID: HPMS9
Workgroup (AAB#): WG216697

CCV Number: WG216696-02
CAL ID: HPMS9 - 07-JUN-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG216696-02	NA	NA	316776	536392	490749
Upper Limit	NA	NA	633552	1072784	981498
Lower Limit	NA	NA	158388	268196	245375
L0606695-01	1.00	01	240134	422772	402872
L0606695-03	1.00	01	246590	447783	433016
L0606695-12	1.00	01	260853	444600	419098
L0606695-13	1.00	01	240967	435396	420585
L0606695-14	1.00	01	287541	482969	440333
L0606695-15	1.00	01	294717	492024	449237
WG216697-01	1.00	01	298225	514153	485644
WG216697-02	1.00	01	297142	506862	463315

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061813

Login Number: L0606695
Instrument ID: HPMS9
Workgroup (AAB#): WG216608

CCV Number: WG216607-02
CAL ID: HPMS9 - 07-JUN-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG216607-02	NA	NA	15.33	12.36	8.51
Upper Limit	NA	NA	15.83	12.86	9.01
Lower Limit	NA	NA	14.83	11.86	8.01
L0606695-02	1.00	01	15.34	12.36	8.51
L0606695-04	1.00	01	15.33	12.36	8.52
L0606695-11	1.00	01	15.34	12.36	8.51
WG216608-01	1.00	01	15.34	12.35	8.51
WG216608-02	1.00	01	15.34	12.36	8.52
WG216608-03	1.00	01	15.33	12.36	8.51

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061814

Login Number: L0606695
Instrument ID: HPMS11
Workgroup (AAB#): WG216612

CCV Number: WG216611-02
CAL ID: HPMS11 - 24-JUN-06
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG216611-02	NA	NA	16.47	13.66	10.04
Upper Limit	NA	NA	16.97	14.16	10.54
Lower Limit	NA	NA	15.97	13.16	9.54
L0606695-16	1.00	01	16.466	13.664	10.041
L0606695-18	1.00	01	16.467	13.665	10.046
L0606695-19	1.00	01	16.466	13.664	10.041
L0606695-20	1.00	01	16.466	13.665	10.041
WG216612-01	1.00	01	16.466	13.664	10.041
WG216612-02	1.00	01	16.466	13.664	10.046
WG216612-03	1.00	01	16.466	13.664	10.041

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061815

Login Number: L0606695
Instrument ID: HPMS8
Workgroup (AAB#): WG216692

CCV Number: WG216691-02
CAL ID: HPMS8 - 22-APR-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG216691-02	NA	NA	18.26	15.23	11.35
Upper Limit	NA	NA	18.76	15.73	11.85
Lower Limit	NA	NA	17.76	14.73	10.85
L0606695-04	50.0	DL01	18.26	15.23	11.35
WG216692-01	50.0	DL01	18.26	15.23	11.35
WG216692-02	50.0	DL01	18.26	15.23	11.35

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061816

Login Number: L0606695
Instrument ID: HPMS9
Workgroup (AAB#): WG216697

CCV Number: WG216696-02
CAL ID: HPMS9 - 07-JUN-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG216696-02	NA	NA	15.33	12.36	8.51
Upper Limit	NA	NA	15.83	12.86	9.01
Lower Limit	NA	NA	14.83	11.86	8.01
L0606695-01	1.00	01	15.34	12.36	8.51
L0606695-03	1.00	01	15.34	12.36	8.51
L0606695-12	1.00	01	15.33	12.36	8.51
L0606695-13	1.00	01	15.34	12.36	8.51
L0606695-14	1.00	01	15.34	12.36	8.51
L0606695-15	1.00	01	15.34	12.36	8.51
WG216697-01	1.00	01	15.34	12.36	8.51
WG216697-02	1.00	01	15.34	12.36	8.51

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

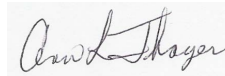
KEMRON Environmental Services Data Checklist

00061817

Date: 06-JUL-2006
 Analyst: ALT
 Analyst: NA
 Method: 8270
 Instrument: HPMS4
 Curve Workgroup: NA
 Runlog ID: 11118
 Analytical Workgroups: L0606639, L0606674, L0606695, L0606676, L0606702, L0607001*, 07002*, 07053

System Performance Check:	
DFTPP	X
Endrin/DDT Breakdown	X
Initial Calibration:	NA
Average RF	NA
Linear Reg or Higher Order Curve	NA
Second Source standard % Difference	NA
Continuing Calibration /Check Standards:	X
Project/Client Specific Requirements	X
Special Standards	X
Blanks:	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample):	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	NA
Samples:	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	NA
Dilutions Run	NA
Reruns	NA
Manual Integrations	NA
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	ALT
Secondary Reviewer	MDC
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X
Comments:	
L0606639-01 and 02 need rerun at a dilution	
*L0607001 and L0607002 - 3510C MDL checks	

Primary Reviewer:
10-JUL-2006



Secondary Reviewer:
10-JUL-2006



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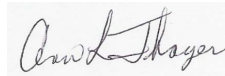
KEMRON Environmental Services Data Checklist

00061818

Date: 07-JUL-2006
 Analyst: ALT
 Analyst: MDC
 Method: 8270
 Instrument: HPMS4
 Curve Workgroup: NA
 Runlog ID: 11140
 Analytical Workgroups: L0606639, L0606695, L0607003/004

System Performance Check:	
DFTPP	X
Endrin/DDT Breakdown	X
Initial Calibration:	NA
Average RF	NA
Linear Reg or Higher Order Curve	NA
Second Source standard % Difference	NA
Continuing Calibration /Check Standards:	X
Project/Client Specific Requirements	X
Special Standards	X
Blanks:	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample):	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples:	X
TCL Hits	X
Spectra of TCL Hits	X
Surrogates	X
Internal Standards Criteria	X
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	X
Reruns	NA
Manual Integrations	NA
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	ALT
Secondary Reviewer	ECL
Check for compliance with method and project specific requirements	
Check the completeness of reported information	
Check the information for the report narrative	
Check the reasonableness of the results	
Comments:	
L0606639-01 and 02 need rerun at a dilution	
*L0607001 and L0607002 - 3510C MDL checks	

Primary Reviewer:
10-JUL-2006



Secondary Reviewer:
10-JUL-2006



Generated: JUL-10-2006 13:57:18

KEMRON Environmental Services

Instrument Run Log

00061819

Instrument: HPMS4 Dataset: 062506
 Analyst1: MDC Analyst2: NA
 Method: 8270C SOP: MSS01 Rev: 14

Maintenance Log ID: 14467

Column 1 ID: RTI-5MS

Column 2 ID: NA

Workgroups:

Internal Standard: STD12522 Surrogate Standard: NA

Comments: 4M33460-4M33465: experimental runs, not used. Appendix IX ICAL fails for famphur, hexachlorophene, kepone. Benzidine ICAL taken from Appendix IX run.

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	4M33460	50PPM BNA Megamix	1	1	STD12520	06/25/06 08:26
2	4M33461	50PPM BNA NSI	1	1	STD12496	06/25/06 09:01
3	4M33462	50PPM Accustandard	1	1	SOS78-17	06/25/06 09:37
4	4M33463	50PPM BNA Megamix REMIX	1	1	STD12520	06/25/06 10:23
5	4M33464	50PPM NSI A9 spike	1	1	STD10902	06/25/06 10:59
6	4M33465	50PPM NSI A9 spike RR	1	1	STD10902	06/25/06 11:36
7	4M33466	WG216025-01 50PPM DFTPP	1	1	SOS78-44	06/25/06 12:15
8	4M33467	WG516025-02 50PPM BNA STD	1	1	SOS78-17	06/25/06 12:34
9	4M33468	WG216025-03 3PPM BNA STD	1	1	SOS78-17	06/25/06 13:09
10	4M33469	WG216025-04 15PPM BNA STD	1	1	SOS78-17	06/25/06 13:43
11	4M33470	WG216025-05 25PPM BNA STD	1	1	SOS78-17	06/25/06 14:18
12	4M33471	WG216025-06 80PPM BNA STD	1	1	SOS78-17	06/25/06 14:53
13	4M33472	WG216025-07 100PPM BNA STD	1	1	SOS78-17	06/25/06 15:27
14	4M33473	WG216025-08 120PPM BNA STD	1	1	SOS78-17	06/25/06 16:02
15	4M33474	WG216025-02 50PPM BNA STD RR	1	1	SOS78-17	06/25/06 16:37
16	4M33475	50PPM Megamix std for App. IX	1	1	STD12520	06/25/06 17:12
17	4M33476	3PPM Megamix std for App. IX	1	1	STD12520	06/25/06 17:46
18	4M33477	15PPM Megamix std for App. IX	1	1	STD12520	06/25/06 18:21
19	4M33478	25PPM Megamix std for App. IX	1	1	STD12520	06/25/06 18:55
20	4M33479	80PPM Megamix std for App. IX	1	1	STD12520	06/25/06 19:30
21	4M33480	100PPM Megamix std for App. IX	1	1	STD12520	06/25/06 20:05
22	4M33481	120PPM Megamix std for App. IX	1	1	STD12520	06/25/06 20:39
23	4M33482	WG216025-09 50PPM BN	1	1	STD12496	06/25/06 21:14
24	4M33483	50PPM Appendix IX alt source	1	1	STD10902	06/25/06 21:49

Comments

Seq.	Rerun	Dil.	Reason	Analytes
8	X			
24				
1- and 2-naphthylamine, 4-aminobiphenyl>25%D.				

Page: 1 of 1

Approved: 28-JUN-06



KEMRON Environmental Services

Instrument Run Log

00061820

Instrument: HPMS4	Dataset: 070606	
Analyst1: ALT	Analyst2: NA	
Method: 8270C	SOP: MSS01	Rev: 14
Method: 625	SOP: MSS02	Rev: 8

Maintenance Log ID: 14600

Column 1 ID: RTI-5MS

Column 2 ID: NA

Workgroups: WG216619, WG216777

Internal Standard: STD13351 Surrogate Standard: NA

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	4M33547	WG216724-01 50PPM DFTPP	1	1	SOS78-44	07/06/06 13:53
2	4M33548	WG216724-02 50PPM BNA STD	1	1	SOS78-17	07/06/06 14:12
3	4M33549	50PPM TCL STD	1	1	STD12739	07/06/06 14:46
4	4M33550	500PPM hexachlorophene/kepone STD	1	1	STD12339	07/06/06 15:21
5	4M33551	50PPM Appendix IX STD	1	1	STD12520	07/06/06 15:55
6	4M33552	WG216471-01 BLK 6/30 EP262P155 RR	1	1		07/06/06 16:31
7	4M33553	L0606639-01	1	1		07/06/06 17:05
8	4M33554	L0606639-02	1	1		07/06/06 17:39
9	4M33555	WG216687-01 BLK 7/6 EP262P175	1	1		07/06/06 18:14
10	4M33556	WG216687-02 LCS 7/6 EP262P175	1	1		07/06/06 18:48
11	4M33557	WG216687-03 LCSDUP 7/6 EP262P175	1	1		07/06/06 19:23
12	4M33558	L0607001-01 3510C MDL Check	1	1		07/06/06 19:59
13	4M33559	L0607001-02 3510C MDL Check	1	1		07/06/06 20:33
14	4M33560	L0607002-01 3510C MDL Check	1	1		07/06/06 21:08
15	4M33561	L0607002-02 3510C MDL Check	1	1		07/06/06 21:42
16	4M33562	WG216662-01 FBLK 7/5 EP262P175	17	1		07/06/06 22:17
17	4M33563	L0606695-16	1	1		07/06/06 22:52
18	4M33564	L0606676-02 TCLP	17	1		07/06/06 23:27
19	4M33565	L0606702-01 TCLP	17	1		07/07/06 00:02
20	4M33566	L0606674-01 TCLP	17	1		07/07/06 00:37
21	4M33567	L0607053-01	2	1		07/07/06 01:12

Comments

Seq.	Rerun	Dil.	Reason	Analytes
2				
			WG216724-02 50PPM BNA STD - 4-chloroaniline and 2-nitrophenol > 20% biased low	
7	X	10	Over Calibration Range	1,2-, 1,3-, and 1,4-dichlorobenzene
			L0606639-01	
8	X	10	Over Calibration Range	1,2- and 1,4-dichlorobenzene
			L0606639-02	
14				
			L0607002-01 3510C MDL Check - hexachlorocyclopentadiene missing	

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Approved: 10-JUL-06



KEMRON Environmental Services

Instrument Run Log

00061821

Instrument: HPMS4 Dataset: 070706
 Analyst1: ALT Analyst2: MDC
 Method: 8270C SOP: MSS01 Rev: 14

Maintenance Log ID: 14608

Column 1 ID: RTI-5MS

Column 2 ID: NA

Workgroups:

Internal Standard: STD13351 Surrogate Standard: NA

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	4M33568	WG216787-01 50PPM DFTPP	1	1	SOS78-44	07/07/06 08:30
2	4M33569	WG216787-02 50PPM BNA STD	1	1	SOS78-17	07/07/06 08:48
3	4M33570	WG216787-02 50PPM BNA STD	1	1	SOS78-17	07/07/06 09:22
4	4M33571	50PPM TCL STD	1	1	STD12739	07/07/06 09:57
5	4M33572	WG216596-02 BLK 7/5 EP263P31	7	1	SOIL	07/07/06 10:31
6	4M33573	WG216596-03 LCS 7/5 EP263P31	7	1	SOIL	07/07/06 11:06
7	4M33574	L0607003-01 3545 MDL Check	7	1	SOIL	07/07/06 11:40
8	4M33575	L0607003-02 3545 MDL Check	7	1	SOIL	07/07/06 12:14
9	4M33576	L0607004-01 3545 MDL Check	7	1	SOIL	07/07/06 12:49
10	4M33577	L0607004-02 3545 MDL Check	7	1	SOIL	07/07/06 13:23
11	4M33578	L0606639-01 10X	1	10		07/07/06 13:58
12	4M33579	L0606639-02 10X	1	10		07/07/06 14:33
13	4M33580	L0606695-04 SOIL	7	1	SOIL	07/07/06 15:07
14	4M33581	L0606695-12 SOIL	7	1	SOIL	07/07/06 15:41
15	4M33582	L0606695-03 SOIL	7	1	SOIL	07/07/06 16:16
16	4M33583	L0606695-13 SOIL	7	1	SOIL	07/07/06 16:50
17	4M33584	L0606695-11 SOIL	7	1	SOIL	07/07/06 17:25
18	4M33585	WG216596-01 L0606695-01 SOIL	7	1	SOIL	07/07/06 17:59
19	4M33586	WG216596-04 L0606695-14 MS SOIL	7	1	SOIL	07/07/06 18:34
20	4M33587	WG216596-05 L0606695-15 MSD SOIL	7	1	SOIL	07/07/06 19:08
21	4M33588	L0606695-02 2X SOIL	7	2	SOIL	07/07/06 19:42
22	4M33589	BAKE OUT	1	1		07/07/06 20:17
23	4M33590	BAKE OUT	1	1		07/07/06 20:51
24	4M33591	BAKE OUT	1	1		07/07/06 21:26

Comments

Seq.	Rerun	Dil.	Reason	Analytes
2	X			
			3-Nitroaniline>40%.	
7				
			Hexachlorocyclopentadiene missing.	
9				
			Hexachlorocyclopentadiene missing.	
11	X	50	Over Calibration Range	1,4-Dichlorobenzene

Page: 1 of 2

Approved: 10-JUL-06



KEMRON Environmental Services

Instrument Run Log

00061822

Instrument: HPMS4 Dataset: 070706
Analyst1: ALT Analyst2: MDC
Method: 8270C SOP: MSS01 Rev: 14

Maintenance Log ID: 14608

Column 1 ID: RTI-5MS Column 2 ID: NA
Workgroups: _____
Internal Standard: STD13351 Surrogate Standard: NA

Comments

Seq.	Rerun	Dil.	Reason	Analytes
16				
	SS1 low.			



Parameter: BNAH₂O SOP #: EX808 Revision #: 11
Extraction Analyst(s): CAF TV/KD Analyst(s): CAF
Date/Time Extracted: 7-06-06 @ 09:15 Date TV/KD: 7-06-06
Spike/Surrogate Analyst: CAF Witness: CSH
Surrogate #: STD13180#3 Earliest Hold Date: 7-06-06
Spike #: A = STD13181#1 Spike #: B = —

Extraction Work Group WG 216687

Extract Relinquished By: CAF
Extract Received By & Date: CAF 7/6/06

	Sample ID	Test Code	pH			Initial Vol / Wt	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Emulsions			Comments
			<2	N	>12						A	BN	N	
1	Blank		✓		✓	1000mL	500mL		1mL	T				WG 216687-01
2	LCS		✓		✓	I		500mL		C				WG I -02
3	LCS Dup		✓		✓	I		I		C				WG I -03
4	06-695-1b	827-SPE	✓		✓	950mL				T				
5	07-001-01	8270	✓		✓	1000mL		50mL		C				MDL CK.
6	-02	I	✓		✓	I		200mL		C				I
7	07-002-01	I	✓		✓	I		50mL		C				I
8	-02	I	✓		✓	I		200mL		C				I
9	06-676-02	827-TC	✓		✓	100mL				C				TC Fil. 7/05
10	06-702-01	I	✓		✓	I				T				I
11	FBW 7/05	I	✓		✓	I				T				WG 216662-01
12	06-674-01	I	✓		✓	I				T				
13	07-053-01	625-SPE	✓		✓	810mL	500mL			T				
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

CAF 7-06-06

Methylene Chloride Lot #: C12E30

Hexane Lot #: —

Ether Lot #: —

Methanol Lot #: —

Solvent: — Lot #: —

Reagent: 10N NaOH Lot #: RG710323

Reagent: Fort. Sol. Lot #: RG710306

Reagent: — Lot #: —

Acid: 1:1 H₂SO₄ Lot #: RG710242

Florisil Lot #: —

Silica Gel Lot #: —

IR Analyst / Date / Time: —

Dried Na₂SO₄ Lot #: B51580

Color Code
T = Transparent
C = Colored
O = Opaque

SW-846 Method		On	Off	On	Off
Continuous	3520C				
Soxhlet	3540C				
ASE*	3545				
Sep Funnel	3510C	✓			
Sonication	3550B				
Waste	3580A				

* Accelerated Solvent Extractor (ASE)

Clean-ups			
Florisil 3620B		GPC 3640A	
Silica Gel 3630C		Other	
Acid 3665A		N/A	✓
Sulfur 3660B			

Peer Reviewed By: Chris Hill Date: 7-06-06

Extraction Notes For Volume # 262 Page # 175

General Comments: <u>None</u>

Extraction Anomalies: <u>None</u>

Concentration Anomalies: <u>None</u>

Clean-Up Anomalies: <u>N/A</u>

Supervisor Review: _____ Date: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061825

Analytical Method: 8270C
Login Number: L0606695

AAB#: WG216777

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
EQUIPMENT RINSE-SLIDE HAMMER	06/29/06	06/30/06	07/06/06	7	6.79	07/06/06	40	0.609	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061826

Analytical Method: 8270C

AAB#: WG216941

Login Number: L0606695

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
07SB01 (0-1)	06/29/06	06/30/06	07/05/06	14	5.96	07/07/06	40	2.40	
07SB01 (3-4)	06/29/06	06/30/06	07/05/06	14	5.95	07/07/06	40	2.47	
07SB02 (0-1)	06/29/06	06/30/06	07/05/06	14	5.92	07/07/06	40	2.32	
07SB02 (3-4)	06/29/06	06/30/06	07/05/06	14	5.90	07/07/06	40	2.28	
07SB06 (0-1)	06/29/06	06/30/06	07/05/06	14	5.88	07/07/06	40	2.37	
07SB06 (3-4)	06/29/06	06/30/06	07/05/06	14	5.87	07/07/06	40	2.30	
DUP-07SB02 (0-1)	06/29/06	06/30/06	07/05/06	14	5.92	07/07/06	40	2.35	
07SB01 (0-1)MS	06/29/06	06/30/06	07/05/06	14	5.96	07/07/06	40	2.42	
07SB01 (0-1)MSD	06/29/06	06/30/06	07/05/06	14	5.96	07/07/06	40	2.44	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

00061827

Login Number: L0606695

Method: 8270

Instrument Id: HPMS4

CAL ID: HPMS4 - 25-JUN-06

Workgroup (AAB#): WG216777

Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4	5	6
L0606695-16	1.00	01	48.6	47.4	26.7	47.2	70.7	19.0
WG216687-01	1.00	01	61.0	53.2	27.9	51.0	82.5	19.6
WG216687-02	1.00	01	76.6	68.1	36.7	62.4	102	27.1
WG216687-03	1.00	01	74.6	61.3	32.4	58.1	83.1	24.7

Surrogates	Surrogate Limits		
1 - 2,4,6-Tribromophenol	10	-	123
2 - 2-Fluorobiphenyl	43	-	116
3 - 2-Fluorophenol	21	-	100
4 - Nitrobenzene-d5	35	-	114
5 - P-Terphenyl-d14	33	-	141
6 - Phenol-d5	10	-	94

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

00061828

Login Number: L0606695
 Instrument Id: HPMS4
 Workgroup (AAB#): WG216941

Method: 8270
 CAL ID: HPMS4 - 25-JUN-06
 Matrix: SOLID

Sample Number	Dilution	Tag	1	2	3	4	5	6
L0606695-01	1.00	01	65.1	56.2	45.1	55.6	88.9	52.8
L0606695-02	2.00	DL01	63.5	72.5	53.1	69.2	88.4	69.6
L0606695-03	1.00	01	38.4	48.8	29.1	51.8	89.7	40.3
L0606695-04	1.00	01	51.8	38.4	38.2	43.1	78.1	41.8
L0606695-11	1.00	01	84.3	76.3	47.8	64.2	91.9	63.0
L0606695-12	1.00	01	57.8	48.7	46.8	51.5	96.4	51.6
L0606695-13	1.00	01	26.9	48.3	<u>24.6</u>	51.1	90.6	37.7
L0606695-14	1.00	01	62.4	52.7	43.7	50.2	89.1	52.0
L0606695-15	1.00	01	74.4	62.2	48.7	55.6	97.3	58.5
WG216596-02	1.00	01	63.5	57.0	50.4	56.1	99.8	56.5
WG216596-03	1.00	01	81.3	58.3	49.1	52.0	93.7	56.7

Surrogates	Surrogate Limits		
1 - 2,4,6-Tribromophenol	19	-	122
2 - 2-Fluorobiphenyl	30	-	115
3 - 2-Fluorophenol	25	-	121
4 - Nitrobenzene-d5	23	-	120
5 - P-Terphenyl-d14	18	-	137
6 - Phenol-d5	24	-	113

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

METHOD BLANK SUMMARY

00061829

Login Number: L0606695 _____ Work Group: WG216777 _____
Blank File ID: 4M33555 _____ Blank Sample ID: WG216687-01 _____
Date Analyzed: 07/06/06 _____ Instrument ID: HPMS4 _____
Time Analyzed: 18:14 _____ Method: 8270C _____
Analyst: ALT/JWR _____

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216687-02	4M33556	07/06/06 18:48	01
LCS2	WG216687-03	4M33557	07/06/06 19:23	01
EQUIPMENT RINSE-SLIDE HAMMER	L0606695-16	4M33563	07/06/06 22:52	01

METHOD BLANK SUMMARY

00061830

Login Number: L0606695
 Blank File ID: 4M33572
 Date Analyzed: 07/07/06
 Time Analyzed: 10:31
 Analyst: ALT/JWR

Work Group: WG216941
 Blank Sample ID: WG216596-02
 Instrument ID: HPMS4
 Method: 8270C

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216596-03	4M33573	07/07/06 11:06	01
07SB02 (3-4)	L0606695-04	4M33580	07/07/06 15:07	01
07SB06 (3-4)	L0606695-12	4M33581	07/07/06 15:41	01
07SB02 (0-1)	L0606695-03	4M33582	07/07/06 16:16	01
DUP-07SB02 (0-1)	L0606695-13	4M33583	07/07/06 16:50	01
07SB06 (0-1)	L0606695-11	4M33584	07/07/06 17:25	01
07SB01 (0-1)	L0606695-01	4M33585	07/07/06 17:59	01
07SB01 (0-1)MS	L0606695-14	4M33586	07/07/06 18:34	01
07SB01 (0-1)MSD	L0606695-15	4M33587	07/07/06 19:08	01
07SB01 (3-4)	L0606695-02	4M33588	07/07/06 19:42	DL01

METHOD BLANK REPORT

00061831

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216687-01
 Instrument ID: HPMS4 Run Time: 18:14 Prep Method: 3510C
 File ID: 4M33555 Analyst: ALT/JWR Method: 8270C
 Workgroup (AAB#): WG216777 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS4 - 25-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
2,4,5-Trichlorophenol	2.50	5.00	2.50	1	U
2,4,6-Trichlorophenol	2.50	5.00	2.50	1	U
2,4-Dichlorophenol	2.50	5.00	2.50	1	U
2,4-Dimethylphenol	2.50	5.00	2.50	1	U
2,4-Dinitrophenol	12.5	25.0	12.5	1	U
2,4-Dinitrotoluene	2.50	5.00	2.50	1	U
2,6-Dinitrotoluene	2.50	5.00	2.50	1	U
2-Chloronaphthalene	2.50	5.00	2.50	1	U
2-Chlorophenol	2.50	5.00	2.50	1	U
2-Methylnaphthalene	2.50	5.00	2.50	1	U
2-Methylphenol	2.50	5.00	2.50	1	U
2-Nitroaniline	12.5	25.0	12.5	1	U
2-Nitrophenol	2.50	5.00	2.50	1	U
3,3'-Dichlorobenzidine	2.50	5.00	2.50	1	U
3-,4-Methylphenol	2.50	5.00	2.50	1	U
3-Nitroaniline	12.5	25.0	12.5	1	U
4,6-Dinitro-2-methylphenol	12.5	25.0	12.5	1	U
4-Bromophenyl-phenylether	2.50	5.00	2.50	1	U
4-Chloro-3-methylphenol	2.50	5.00	2.50	1	U
4-Chloroaniline	2.50	5.00	2.50	1	U
4-Chlorophenyl-phenyl ether	2.50	5.00	2.50	1	U
4-Nitroaniline	12.5	25.0	12.5	1	U
4-Nitrophenol	12.5	25.0	12.5	1	U
Acenaphthene	2.50	5.00	2.50	1	U
Acenaphthylene	2.50	5.00	2.50	1	U
Acetophenone	2.50	5.00	2.50	1	U
Anthracene	2.50	5.00	2.50	1	U
Benzo(a)anthracene	2.50	5.00	2.50	1	U
Benzo(a)pyrene	2.50	5.00	2.50	1	U
Benzo(b)fluoranthene	2.50	5.00	2.50	1	U
Benzo(g,h,i)Perylene	2.50	5.00	2.50	1	U
Benzo(k)fluoranthene	2.50	5.00	2.50	1	U
Bis(2-Chloroethoxy)Methane	2.50	5.00	2.50	1	U
Bis(2-Chloroethyl)ether	2.50	5.00	2.50	1	U
bis(2-Chloroisopropyl)ether	2.50	5.00	2.50	1	U
bis(2-Ethylhexyl)phthalate	2.50	5.00	2.50	1	U
Butylbenzylphthalate	2.50	5.00	2.50	1	U
Carbazole	2.50	20.0	2.50	1	U
Chrysene	2.50	20.0	2.50	1	U
Di-N-Butylphthalate	2.50	5.00	2.50	1	U
Di-n-octylphthalate	2.50	5.00	2.50	1	U
Dibenzo(a,h)Anthracene	2.50	5.00	2.50	1	U

KEMRON FORMS - Modified 07/06/2006
 Version 1.5 PDF File ID: 511536
 Report generated 07/10/2006 16:00

METHOD BLANK REPORT

00061832

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216687-01
 Instrument ID: HPMS4 Run Time: 18:14 Prep Method: 3510C
 File ID: 4M33555 Analyst: ALT/JWR Method: 8270C
 Workgroup (AAB#): WG216777 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS4 - 25-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Dibenzofuran	2.50	5.00	2.50	1	U
Diethylphthalate	2.50	5.00	2.50	1	U
Dimethylphthalate	2.50	5.00	2.50	1	U
Fluoranthene	2.50	5.00	2.50	1	U
Fluorene	2.50	5.00	2.50	1	U
Hexachlorobenzene	2.50	5.00	2.50	1	U
Hexachlorobutadiene	2.50	5.00	2.50	1	U
Hexachlorocyclopentadiene	2.50	5.00	2.50	1	U
Hexachloroethane	2.50	5.00	2.50	1	U
Indeno(1,2,3-cd)pyrene	2.50	5.00	2.50	1	U
Isophorone	2.50	5.00	2.50	1	U
N-Nitroso-di-n-propylamine	2.50	5.00	2.50	1	U
N-Nitrosodiphenylamine	2.50	5.00	2.50	1	U
Naphthalene	2.50	5.00	2.50	1	U
Nitrobenzene	2.50	5.00	2.50	1	U
Pentachlorophenol	2.50	5.00	2.50	1	U
Phenanthrene	2.50	5.00	2.50	1	U
Phenol	2.50	5.00	2.50	1	U
Pyrene	2.50	5.00	2.50	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,6-Tribromophenol	61.0	10 - 123	PASS
2-Fluorobiphenyl	53.2	43 - 116	PASS
2-Fluorophenol	27.9	21 - 100	PASS
Nitrobenzene-d5	51.0	35 - 114	PASS
P-Terphenyl-d14	82.5	33 - 141	PASS
Phenol-d5	19.6	10 - 94	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

METHOD BLANK REPORT

00061833

Login Number: L0606695 Run Date: 07/07/2006 Sample ID: WG216596-02
 Instrument ID: HPMS4 Run Time: 10:31 Prep Method: 3545
 File ID: 4M33572 Analvst: ALT/JWR Method: 8270C
 Workgroup (AAB#): WG216941 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS4 - 25-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
2,4,5-Trichlorophenol	82.5	165	82.5	1	U
2,4,6-Trichlorophenol	82.5	165	82.5	1	U
2,4-Dichlorophenol	82.5	165	82.5	1	U
2,4-Dimethylphenol	82.5	165	82.5	1	U
2,4-Dinitrophenol	330	825	330	1	U
2,4-Dinitrotoluene	82.5	165	82.5	1	U
2,6-Dinitrotoluene	82.5	165	82.5	1	U
2-Chloronaphthalene	82.5	165	82.5	1	U
2-Chlorophenol	82.5	165	82.5	1	U
2-Methylnaphthalene	82.5	165	82.5	1	U
2-Methylphenol	82.5	165	82.5	1	U
2-Nitroaniline	330	825	330	1	U
2-Nitrophenol	82.5	165	82.5	1	U
3,3'-Dichlorobenzidine	165	330	165	1	U
3-,4-Methylphenol	82.5	165	82.5	1	U
3-Nitroaniline	330	825	330	1	U
4,6-Dinitro-2-methylphenol	330	825	330	1	U
4-Bromophenyl-phenylether	82.5	165	82.5	1	U
4-Chloro-3-methylphenol	82.5	165	82.5	1	U
4-Chloroaniline	82.5	165	82.5	1	U
4-Chlorophenyl-phenyl ether	82.5	165	82.5	1	U
4-Nitroaniline	330	825	330	1	U
4-Nitrophenol	330	825	330	1	U
Acenaphthene	82.5	165	82.5	1	U
Acenaphthylene	82.5	165	82.5	1	U
Acetophenone	82.5	165	82.5	1	U
Anthracene	82.5	165	82.5	1	U
Benzo(a)anthracene	82.5	165	82.5	1	U
Benzo(a)pyrene	82.5	165	82.5	1	U
Benzo(b)fluoranthene	82.5	165	82.5	1	U
Benzo(g,h,i)Perylene	82.5	165	82.5	1	U
Benzo(k)fluoranthene	82.5	165	82.5	1	U
Bis(2-Chloroethoxy)Methane	82.5	165	82.5	1	U
Bis(2-Chloroethyl)ether	82.5	165	82.5	1	U
bis(2-Chloroisopropyl)ether	82.5	165	82.5	1	U
bis(2-Ethylhexyl)phthalate	82.5	165	82.5	1	U
Butylbenzylphthalate	82.5	165	82.5	1	U
Carbazole	82.5	165	82.5	1	U
Chrysene	82.5	165	82.5	1	U
Di-N-Butylphthalate	82.5	165	82.5	1	U
Di-n-octylphthalate	82.5	165	82.5	1	U
Dibenzo(a,h)Anthracene	82.5	165	82.5	1	U

KEMRON FORMS - Modified 07/06/2006
 Version 1.5 PDF File ID: 511536
 Report generated 07/10/2006 16:00

METHOD BLANK REPORT

00061834

Login Number: L0606695 Run Date: 07/07/2006 Sample ID: WG216596-02
 Instrument ID: HPMS4 Run Time: 10:31 Prep Method: 3545
 File ID: 4M33572 Analyst: ALT/JWR Method: 8270C
 Workgroup (AAB#): WG216941 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS4 - 25-JUN-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Dibenzofuran	82.5	165	82.5	1	U
Diethylphthalate	82.5	165	82.5	1	U
Dimethylphthalate	82.5	165	82.5	1	U
Fluoranthene	82.5	165	82.5	1	U
Fluorene	82.5	165	82.5	1	U
Hexachlorobenzene	82.5	165	82.5	1	U
Hexachlorobutadiene	82.5	165	82.5	1	U
Hexachlorocyclopentadiene	82.5	165	82.5	1	U
Hexachloroethane	82.5	165	82.5	1	U
Indeno(1,2,3-cd)pyrene	82.5	165	82.5	1	U
Isophorone	82.5	165	82.5	1	U
N-Nitroso-di-n-propylamine	82.5	165	82.5	1	U
N-Nitrosodiphenylamine	82.5	165	82.5	1	U
Naphthalene	82.5	165	82.5	1	U
Nitrobenzene	82.5	165	82.5	1	U
Pentachlorophenol	330	825	330	1	U
Phenanthrene	82.5	165	82.5	1	U
Phenol	82.5	165	82.5	1	U
Pyrene	82.5	165	82.5	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,6-Tribromophenol	63.5	19 - 122	PASS
2-Fluorobiphenyl	57.0	30 - 115	PASS
2-Fluorophenol	50.4	25 - 121	PASS
Nitrobenzene-d5	56.1	23 - 120	PASS
P-Terphenyl-d14	99.8	18 - 137	PASS
Phenol-d5	56.5	24 - 113	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

LABORATORY CONTROL SAMPLE (LCS)

00061835

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216687-02
 Instrument ID: HPMS4 Run Time: 18:48 Prep Method: 3510C
 File ID: 4M33556 Analyst: ALT/JWR Method: 8270C
 Workgroup (AAB#): WG216777 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS4 - 25-JUN-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
2,4,5-Trichlorophenol	50.0	33.1	66.2	40 - 120	
2,4,6-Trichlorophenol	50.0	32.8	65.7	40 - 120	
2,4-Dichlorophenol	50.0	29.5	59.0	40 - 110	
2,4-Dimethylphenol	50.0	31.6	63.2	30 - 120	
2,4-Dinitrophenol	50.0	31.2	62.4	30 - 140	
2,4-Dinitrotoluene	50.0	42.0	84.1	50 - 139	
2,6-Dinitrotoluene	50.0	36.5	73.0	50 - 140	
2-Chloronaphthalene	50.0	33.4	66.7	50 - 130	
2-Chlorophenol	50.0	30.2	60.3	35 - 110	
2-Methylnaphthalene	50.0	29.7	59.5	35 - 120	
2-Methylphenol	50.0	28.8	57.6	34 - 120	
2-Nitroaniline	50.0	35.5	70.9	45 - 115	
2-Nitrophenol	50.0	25.5	51.1	40 - 115	
3,3'-Dichlorobenzidine	50.0	44.3	88.6	30 - 140	
3-,4-Methylphenol	50.0	25.9	51.7	30 - 110	
3-Nitroaniline	50.0	45.3	90.6	45 - 135	
4,6-Dinitro-2-methylphenol	50.0	32.7	65.4	40 - 145	
4-Bromophenyl-phenylether	50.0	31.6	63.1	50 - 115	
4-Chloro-3-methylphenol	50.0	30.4	60.8	35 - 110	
4-Chloroaniline	50.0	34.5	68.9	30 - 120	
4-Chlorophenyl-phenyl ether	50.0	34.3	68.5	45 - 130	
4-Nitroaniline	50.0	39.7	79.5	45 - 135	
4-Nitrophenol	50.0	12.6	25.1	10 - 132	
Acenaphthene	50.0	34.8	69.6	45 - 135	
Acenaphthylene	50.0	34.9	69.8	50 - 130	
Acetophenone	50.0	35.9	71.8	50 - 150	
Anthracene	50.0	40.4	80.7	55 - 130	
Benzo(a)anthracene	50.0	44.2	88.4	55 - 130	
Benzo(a)pyrene	50.0	41.8	83.5	55 - 135	
Benzo(b)fluoranthene	50.0	44.8	89.5	45 - 125	
Benzo(g,h,i)Perylene	50.0	37.8	75.5	40 - 140	
Benzo(k)fluoranthene	50.0	44.8	89.5	50 - 140	
Bis(2-Chloroethoxy)Methane	50.0	33.1	66.1	45 - 105	
Bis(2-Chloroethyl)ether	50.0	35.7	71.5	30 - 120	
bis(2-Chloroisopropyl)ether	50.0	36.7	73.4	25 - 130	
bis(2-Ethylhexyl)phthalate	50.0	44.5	89.1	45 - 150	
Butylbenzylphthalate	50.0	43.4	86.8	50 - 150	
Carbazole	50.0	46.4	92.7	50 - 130	
Chrysene	50.0	43.9	87.8	55 - 130	
Di-N-Butylphthalate	50.0	43.9	87.8	55 - 118	
Di-n-octylphthalate	50.0	45.5	91.0	35 - 146	

LABORATORY CONTROL SAMPLE (LCS)

00061836

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216687-02
 Instrument ID: HPMS4 Run Time: 18:48 Prep Method: 3510C
 File ID: 4M33556 Analyst: ALT/JWR Method: 8270C
 Workgroup (AAB#): WG216777 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS4 - 25-JUN-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Dibenzo(a,h)Anthracene	50.0	40.2	80.4	40 - 125	
Dibenzofuran	50.0	34.3	68.7	45 - 115	
Diethylphthalate	50.0	40.4	80.8	40 - 120	
Dimethylphthalate	50.0	36.4	72.7	25 - 112	
Fluoranthene	50.0	43.2	86.3	50 - 137	
Fluorene	50.0	35.8	71.5	50 - 121	
Hexachlorobenzene	50.0	38.3	76.7	50 - 130	
Hexachlorobutadiene	50.0	29.4	58.8	25 - 105	
Hexachlorocyclopentadiene	50.0	21.0	42.0	20 - 143	
Hexachloroethane	50.0	28.4	56.9	30 - 95	
Indeno(1,2,3-cd)pyrene	50.0	37.6	75.3	45 - 135	
Isophorone	50.0	35.7	71.4	40 - 110	
N-Nitroso-di-n-propylamine	50.0	36.5	73.1	35 - 130	
N-Nitrosodiphenylamine	50.0	37.5	75.0	50 - 130	
Naphthalene	50.0	30.4	60.8	40 - 100	
Nitrobenzene	50.0	30.7	61.4	40 - 110	
Pentachlorophenol	50.0	40.4	80.8	40 - 140	
Phenanthrene	50.0	39.3	78.6	50 - 120	
Phenol	50.0	13.1	26.2	10 - 120	
Pyrene	50.0	42.5	85.1	50 - 115	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,6-Tribromophenol	76.6	10 - 123	PASS
2-Fluorobiphenyl	68.1	43 - 116	PASS
2-Fluorophenol	36.7	21 - 100	PASS
Nitrobenzene-d5	62.4	35 - 114	PASS
P-Terphenyl-d14	102	33 - 141	PASS
Phenol-d5	27.1	10 - 94	PASS

* FAILS %REC LIMIT

LABORATORY CONTROL SAMPLE (LCS)

00061837

Login Number: L0606695 Run Date: 07/07/2006 Sample ID: WG216596-03
 Instrument ID: HPMS4 Run Time: 11:06 Prep Method: 3545
 File ID: 4M33573 Analyst: ALT/JWR Method: 8270C
 Workgroup (AAB#): WG216941 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS4 - 25-JUN-06

Analytes	Expected	Found	% Rec	LCS Limits			Q
2,4,5-Trichlorophenol	2500	1560	62.4	40	-	110	
2,4,6-Trichlorophenol	2500	1490	59.6	40	-	110	
2,4-Dichlorophenol	2500	1270	50.8	35	-	110	
2,4-Dimethylphenol	2500	1380	55.3	30	-	105	
2,4-Dinitrophenol	2500	1930	77.3	40	-	130	
2,4-Dinitrotoluene	2500	2260	90.5	50	-	130	
2,6-Dinitrotoluene	2500	1830	73.2	50	-	125	
2-Chloronaphthalene	2500	1460	58.3	40	-	105	
2-Chlorophenol	2500	1300	52.0	35	-	105	
2-Methylnaphthalene	2500	1300	52.0	35	-	115	
2-Methylphenol	2500	1360	54.5	35	-	100	
2-Nitroaniline	2500	1750	69.9	45	-	120	
2-Nitrophenol	2500	1220	48.8	35	-	100	
3,3'-Dichlorobenzidine	2500	3110	124	40	-	140	
3-,4-Methylphenol	2500	1390	55.5	35	-	105	
3-Nitroaniline	2500	2130	85.3	50	-	130	
4,6-Dinitro-2-methylphenol	2500	1900	75.9	45	-	130	
4-Bromophenyl-phenylether	2500	1620	64.7	40	-	115	
4-Chloro-3-methylphenol	2500	1430	57.2	40	-	100	
4-Chloroaniline	2500	1300	52.0	35	-	100	
4-Chlorophenyl-phenyl ether	2500	1660	66.5	40	-	110	
4-Nitroaniline	2500	2050	81.9	35	-	140	
4-Nitrophenol	2500	2030	81.4	45	-	140	
Acenaphthene	2500	1600	64.1	40	-	110	
Acenaphthylene	2500	1590	63.4	40	-	110	
Acetophenone	2500	1330	53.1	40	-	140	
Anthracene	2500	2180	87.2	55	-	130	
Benzo(a)anthracene	2500	2360	94.3	50	-	130	
Benzo(a)pyrene	2500	2330	93.2	50	-	130	
Benzo(b)fluoranthene	2500	2200	88.2	45	-	125	
Benzo(g,h,i)Perylene	2500	2030	81.3	40	-	140	
Benzo(k)fluoranthene	2500	2340	93.8	45	-	135	
Bis(2-Chloroethoxy)Methane	2500	1360	54.6	30	-	100	
Bis(2-Chloroethyl)ether	2500	1460	58.4	30	-	100	
bis(2-Chloroisopropyl)ether	2500	1500	59.8	20	-	115	
bis(2-Ethylhexyl)phthalate	2500	2520	101	50	-	150	
Butylbenzylphthalate	2500	2420	96.6	50	-	150	
Carbazole	2500	2550	102	50	-	140	
Chrysene	2500	2300	91.9	55	-	140	
Di-N-Butylphthalate	2500	2400	95.9	55	-	140	
Di-n-octylphthalate	2500	2520	101	40	-	145	

LABORATORY CONTROL SAMPLE (LCS)

00061838

Login Number: L0606695 Run Date: 07/07/2006 Sample ID: WG216596-03
 Instrument ID: HPMS4 Run Time: 11:06 Prep Method: 3545
 File ID: 4M33573 Analyst: ALT/JWR Method: 8270C
 Workgroup (AAB#): WG216941 Matrix: Solid Units: ug/kg
 Contract #: DACA56-94-D-0020 Cal ID: HPMS4 - 25-JUN-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Dibenzo(a,h)Anthracene	2500	2140	85.6	40 - 140	
Dibenzofuran	2500	1590	63.8	35 - 110	
Diethylphthalate	2500	2330	93.1	50 - 130	
Dimethylphthalate	2500	1780	71.3	45 - 115	
Fluoranthene	2500	2340	93.7	55 - 140	
Fluorene	2500	1740	69.6	45 - 115	
Hexachlorobenzene	2500	2030	81.0	45 - 120	
Hexachlorobutadiene	2500	1360	54.6	30 - 100	
Hexachlorocyclopentadiene	2500	1170	46.8	30 - 110	
Hexachloroethane	2500	1310	52.2	30 - 100	
Indeno(1,2,3-cd)pyrene	2500	2040	81.4	50 - 135	
Isophorone	2500	1510	60.5	35 - 100	
N-Nitroso-di-n-propylamine	2500	1520	60.9	35 - 110	
N-Nitrosodiphenylamine	2500	2050	82.1	50 - 130	
Naphthalene	2500	1300	51.9	35 - 100	
Nitrobenzene	2500	1290	51.8	35 - 100	
Pentachlorophenol	2500	2390	95.7	50 - 150	
Phenanthrene	2500	2100	84.2	50 - 130	
Phenol	2500	1350	53.9	35 - 100	
Pyrene	2500	2310	92.5	45 - 135	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,6-Tribromophenol	81.3	19 - 122	PASS
2-Fluorobiphenyl	58.3	30 - 115	PASS
2-Fluorophenol	49.1	25 - 121	PASS
Nitrobenzene-d5	52.0	23 - 120	PASS
P-Terphenyl-d14	93.7	18 - 137	PASS
Phenol-d5	56.7	24 - 113	PASS

* FAILS %REC LIMIT

LABORATORY CONTROL SAMPLE (LCS)

00061839

Login Number: L0606695 Analyst: ALT/JWR Prep Method: 3510C
Instrument ID: HPMS4 Matrix: Water Method: 8270C
Workgroup (AAB#): WG216777 Units: ug/L
Sample ID: WG216687-02 LCS File ID: 4M33556 Run Date: 07/06/2006 18:48
Sample ID: WG216687-03 LCS2 File ID: 4M33557 Run Date: 07/06/2006 19:23

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
2,4,5-Trichlorophenol	50.0	33.1	66.2	50.0	29.8	59.5	10.5	40 - 120	62	
2,4,6-Trichlorophenol	50.0	32.8	65.7	50.0	29.6	59.2	10.4	40 - 120	60	
2,4-Dichlorophenol	50.0	29.5	59.0	50.0	25.7	51.4	13.7	40 - 110	59	
2,4-Dimethylphenol	50.0	31.6	63.2	50.0	26.9	53.8	16.1	30 - 120	58	
2,4-Dinitrophenol	50.0	31.2	62.4	50.0	34.1	68.2	8.99	30 - 140	67	
2,4-Dinitrotoluene	50.0	42.0	84.1	50.0	42.8	85.6	1.83	50 - 139	56	
2,6-Dinitrotoluene	50.0	36.5	73.0	50.0	36.0	72.0	1.33	50 - 140	56	
2-Chloronaphthalene	50.0	33.4	66.7	50.0	30.5	61.1	8.82	50 - 130	48	
2-Chlorophenol	50.0	30.2	60.3	50.0	25.4	50.8	17.2	35 - 110	51	
2-Methylnaphthalene	50.0	29.7	59.5	50.0	27.6	55.2	7.38	35 - 120	49	
2-Methylphenol	50.0	28.8	57.6	50.0	24.3	48.6	16.9	34 - 120	50	
2-Nitroaniline	50.0	35.5	70.9	50.0	34.5	68.9	2.84	45 - 115	52	
2-Nitrophenol	50.0	25.5	51.1	50.0	24.0	47.9	6.36	40 - 115	55	
3,3'-Dichlorobenzidine	50.0	44.3	88.6	50.0	40.4	80.8	9.12	30 - 140	119	
3-,4-Methylphenol	50.0	25.9	51.7	50.0	22.2	44.5	15.0	30 - 110	35	
3-Nitroaniline	50.0	45.3	90.6	50.0	43.0	86.0	5.31	45 - 135	115	
4,6-Dinitro-2-methylphenol	50.0	32.7	65.4	50.0	33.6	67.2	2.79	40 - 145	70	
4-Bromophenyl-phenylether	50.0	31.6	63.1	50.0	31.1	62.2	1.48	50 - 115	48	
4-Chloro-3-methylphenol	50.0	30.4	60.8	50.0	26.2	52.4	14.8	35 - 110	66	
4-Chloroaniline	50.0	34.5	68.9	50.0	31.6	63.2	8.67	30 - 120	70	
4-Chlorophenyl-phenyl ether	50.0	34.3	68.5	50.0	32.7	65.3	4.80	45 - 130	55	
4-Nitroaniline	50.0	39.7	79.5	50.0	38.6	77.2	2.88	45 - 135	95	
4-Nitrophenol	50.0	12.6	25.1	50.0	15.5	30.9	20.7	10 - 132	29	
Acenaphthene	50.0	34.8	69.6	50.0	32.0	64.0	8.37	45 - 135	51	
Acenaphthylene	50.0	34.9	69.8	50.0	32.1	64.2	8.35	50 - 130	55	
Acetophenone	50.0	35.9	71.8	50.0	32.7	65.3	9.37	50 - 150	50	
Anthracene	50.0	40.4	80.7	50.0	40.4	80.8	0.113	55 - 130	65	
Benzo(a)anthracene	50.0	44.2	88.4	50.0	45.3	90.6	2.45	55 - 130	55	
Benzo(a)pyrene	50.0	41.8	83.5	50.0	42.5	84.9	1.71	55 - 135	62	
Benzo(b)fluoranthene	50.0	44.8	89.5	50.0	42.3	84.5	5.78	45 - 125	60	
Benzo(g,h,i)Perylene	50.0	37.8	75.5	50.0	39.1	78.2	3.51	40 - 140	88	
Benzo(k)fluoranthene	50.0	44.8	89.5	50.0	44.2	88.3	1.37	50 - 140	60	
Bis(2-Chloroethoxy)Methane	50.0	33.1	66.1	50.0	30.7	61.3	7.56	45 - 105	55	
Bis(2-Chloroethyl)ether	50.0	35.7	71.5	50.0	32.8	65.5	8.63	30 - 120	45	
bis(2-Chloroisopropyl)ether	50.0	36.7	73.4	50.0	33.1	66.2	10.3	25 - 130	44	
bis(2-Ethylhexyl)phthalate	50.0	44.5	89.1	50.0	45.0	90.0	1.04	45 - 150	57	
Butylbenzylphthalate	50.0	43.4	86.8	50.0	42.7	85.4	1.63	50 - 150	62	
Carbazole	50.0	46.4	92.7	50.0	47.2	94.3	1.70	50 - 130	109	
Chrysene	50.0	43.9	87.8	50.0	44.1	88.1	0.308	55 - 130	55	
Di-N-Butylphthalate	50.0	43.9	87.8	50.0	44.4	88.7	1.03	55 - 118	61	
Di-n-octylphthalate	50.0	45.5	91.0	50.0	45.7	91.4	0.414	35 - 146	64	
Dibenzo(a,h)Anthracene	50.0	40.2	80.4	50.0	41.6	83.3	3.55	40 - 125	86	

KEMRON FORMS - Modified 06/02/2006
Version 1.5 PDF File ID: 511538
Report generated 07/10/2006 16:00

LABORATORY CONTROL SAMPLE (LCS)

00061840

Login Number: L0606695 Analyst: ALT/JWR Prep Method: 3510C
 Instrument ID: HPMS4 Matrix: Water Method: 8270C
 Workgroup (AAB#): WG216777 Units: ug/L
 Sample ID: WG216687-02 LCS File ID: 4M33556 Run Date: 07/06/2006 18:48
 Sample ID: WG216687-03 LCS2 File ID: 4M33557 Run Date: 07/06/2006 19:23

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Dibenzofuran	50.0	34.3	68.7	50.0	31.8	63.7	7.50	45 - 115	54	
Diethylphthalate	50.0	40.4	80.8	50.0	40.1	80.2	0.717	40 - 120	59	
Dimethylphthalate	50.0	36.4	72.7	50.0	34.6	69.3	4.82	25 - 112	57	
Fluoranthene	50.0	43.2	86.3	50.0	43.5	87.0	0.774	50 - 137	68	
Fluorene	50.0	35.8	71.5	50.0	34.1	68.2	4.74	50 - 121	59	
Hexachlorobenzene	50.0	38.3	76.7	50.0	38.2	76.5	0.237	50 - 130	55	
Hexachlorobutadiene	50.0	29.4	58.8	50.0	26.9	53.8	8.84	25 - 105	59	
Hexachlorocyclopentadiene	50.0	21.0	42.0	50.0	21.9	43.7	3.93	20 - 143	47	
Hexachloroethane	50.0	28.4	56.9	50.0	25.7	51.5	10.0	30 - 95	47	
Indeno(1,2,3-cd)pyrene	50.0	37.6	75.3	50.0	38.7	77.4	2.80	45 - 135	83	
Isophorone	50.0	35.7	71.4	50.0	33.1	66.2	7.47	40 - 110	71	
N-Nitroso-di-n-propylamine	50.0	36.5	73.1	50.0	32.8	65.5	10.9	35 - 130	51	
N-Nitrosodiphenylamine	50.0	37.5	75.0	50.0	37.6	75.1	0.132	50 - 130	57	
Naphthalene	50.0	30.4	60.8	50.0	28.3	56.5	7.32	40 - 100	45	
Nitrobenzene	50.0	30.7	61.4	50.0	28.7	57.5	6.65	40 - 110	45	
Pentachlorophenol	50.0	40.4	80.8	50.0	44.2	88.5	9.02	40 - 140	60	
Phenanthrene	50.0	39.3	78.6	50.0	39.3	78.6	0.0195	50 - 120	59	
Phenol	50.0	13.1	26.2	50.0	12.2	24.3	7.53	10 - 120	21	
Pyrene	50.0	42.5	85.1	50.0	42.2	84.3	0.878	50 - 115	53	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2-Fluorophenol	36.7	32.4	21 - 100	PASS
Phenol-d5	27.1	24.7	10 - 94	PASS
Nitrobenzene-d5	62.4	58.1	35 - 114	PASS
2-Fluorobiphenyl	68.1	61.3	43 - 116	PASS
2,4,6-Tribromophenol	76.6	74.6	10 - 123	PASS
P-Terphenyl-d14	102	83.1	33 - 141	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS/MSD REPORT

Loginnum: L0606695

Cal ID: HPMS4 - 25-JUN-06

00061841
WORKNUM: NC226941

Instrument ID: HPMS4

Contract #: DACA56-94-D-0020

Prep Method: 3545

Parent ID: L0606695-01

File ID: 4M33585

Dil: 1

Method: 8270C

Sample ID: L0606695-14 MS

File ID: 4M33586

Dil: 1

Matrix: Soil

Sample ID: L0606695-15 MSD

File ID: 4M33587

Dil: 1

Units: ug/kg

Percent Solid: 90.1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
2,4,5-Trichlorophenol	ND	2720	1680	61.7	2720	2120	77.9	23.2	40 - 110	63	
2,4,6-Trichlorophenol	ND	2720	1330	48.8	2720	1580	58.2	17.7	40 - 110	63	
2,4-Dichlorophenol	ND	2720	1240	45.5	2720	1390	50.9	11.2	35 - 110	53	
2,4-Dimethylphenol	ND	2720	340	12.5	2720	297	10.9	13.8	30 - 105	57	*
2,4-Dinitrophenol	ND	2720	2210	81.2	2720	2660	97.9	18.7	40 - 130	72	
2,4-Dinitrotoluene	ND	2720	2280	83.7	2720	2750	101	18.7	50 - 130	75	
2,6-Dinitrotoluene	ND	2720	1760	64.7	2720	2330	85.6	27.7	50 - 125	69	
2-Chloronaphthalene	ND	2720	1490	54.6	2720	1760	64.5	16.7	40 - 105	50	
2-Chlorophenol	ND	2720	1290	47.5	2720	1420	52.3	9.55	35 - 105	47	
2-Methylnaphthalene	ND	2720	1340	49.2	2720	1510	55.5	12.2	35 - 115	49	
2-Methylphenol	ND	2720	940	34.5	2720	957	35.2	1.79	35 - 100	52	*
2-Nitroaniline	ND	2720	1800	66.3	2720	2340	86.1	25.9	45 - 120	67	
2-Nitrophenol	ND	2720	1250	45.9	2720	1380	50.9	10.4	35 - 100	60	
3,3'-Dichlorobenzidine	ND	2720	0	0	2720	0	0	NA	40 - 140	135	*
3-,4-Methylphenol	ND	2720	872	32.1	2720	897	33.0	2.84	35 - 105	52	*
3-Nitroaniline	ND	2720	1720	63.3	2720	2010	73.8	15.4	50 - 130	86	
4,6-Dinitro-2-methylphenol	ND	2720	2050	75.4	2720	2350	86.4	13.6	45 - 130	86	
4-Bromophenyl-phenylether	ND	2720	1630	60.0	2720	2030	74.8	21.9	40 - 115	58	
4-Chloro-3-methylphenol	ND	2720	1430	52.5	2720	1760	64.8	21.0	40 - 100	62	
4-Chloroaniline	ND	2720	732	26.9	2720	801	29.5	9.02	35 - 100	73	*
4-Chlorophenyl-phenyl ether	ND	2720	1640	60.3	2720	2130	78.2	25.8	40 - 110	64	
4-Nitroaniline	ND	2720	1920	70.5	2720	2090	77.0	8.85	35 - 140	95	
4-Nitrophenol	ND	2720	2340	86.1	2720	2490	91.4	5.95	45 - 140	99	
Acenaphthene	ND	2720	1610	59.4	2720	2020	74.2	22.2	40 - 110	70	
Acenaphthylene	ND	2720	1550	57.0	2720	1920	70.4	21.1	40 - 110	53	
Acetophenone	ND	2720	1540	56.5	2720	1730	63.6	11.7	40 - 140	40	
Anthracene	ND	2720	2270	83.3	2720	2590	95.3	13.4	55 - 130	72	
Benzo(a)anthracene	142	2720	2640	91.8	2720	2880	100	8.63	50 - 130	83	
Benzo(a)pyrene	ND	2720	2440	89.8	2720	2660	97.9	8.58	50 - 130	72	
Benzo(b)fluoranthene	153	2720	2490	85.8	2720	2740	95.2	9.82	45 - 125	76	
Benzo(g,h,i)Perylene	ND	2720	2000	73.7	2720	2160	79.4	7.39	40 - 140	85	
Benzo(k)fluoranthene	147	2720	2640	91.5	2720	2850	99.4	7.82	45 - 135	79	
Bis(2-Chloroethoxy)Methane	ND	2720	1400	51.6	2720	1580	58.1	12.0	30 - 100	53	
Bis(2-Chloroethyl)ether	ND	2720	1520	56.0	2720	1690	62.0	10.2	30 - 100	52	
bis(2-Chloroisopropyl)ether	ND	2720	1540	56.7	2720	1720	63.3	11.0	20 - 115	49	
bis(2-Ethylhexyl)phthalate	ND	2720	2790	102	2720	2810	103	1.03	50 - 150	83	
Butylbenzylphthalate	ND	2720	2670	98.0	2720	2700	99.4	1.40	50 - 150	86	
Carbazole	ND	2720	2780	102	2720	3080	113	9.99	50 - 140	99	
Chrysene	175	2720	2580	88.5	2720	2800	96.6	8.20	55 - 140	72	
Di-N-Butylphthalate	ND	2720	2570	94.3	2720	2760	101	7.26	55 - 140	82	
Di-n-octylphthalate	ND	2720	2670	98.0	2720	2900	107	8.46	40 - 145	96	

KEMRON FORMS - Modified 06/02/2006
Version 1.5 PDF File ID: 512714
Report generated 07/10/2006 16:00

MS/MSD REPORT

Loginnum: L0606695

Cal ID: HPMS4 25-JUN-06

00061842
Worknum: NC226941

Instrument ID: HPMS4

Contract #: DACA56-94-D-0020

Prep Method: 3545

Parent ID: L0606695-01

File ID: 4M33585

Dil: 1

Method: 8270C

Sample ID: L0606695-14 MS

File ID: 4M33586

Dil: 1

Matrix: Soil

Sample ID: L0606695-15 MSD

File ID: 4M33587

Dil: 1

Units: ug/kg

Percent Solid: 90.1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Dibenzo(a,h)Anthracene	ND	2720	2240	82.4	2720	2420	88.9	7.53	40 - 140	88	
Dibenzofuran	ND	2720	1600	58.8	2720	2040	74.9	24.0	35 - 110	55	
Diethylphthalate	295	2720	2410	77.8	2720	2720	89.2	12.1	50 - 130	70	
Dimethylphthalate	ND	2720	1690	62.0	2720	2210	81.3	27.0	45 - 115	63	
Fluoranthene	ND	2720	2590	95.1	2720	2790	103	7.68	55 - 140	80	
Fluorene	ND	2720	1740	64.1	2720	2230	82.1	24.6	45 - 115	55	
Hexachlorobenzene	ND	2720	2040	75.2	2720	2470	90.7	18.8	45 - 120	68	
Hexachlorobutadiene	ND	2720	1420	52.1	2720	1550	57.1	9.10	30 - 100	52	
Hexachlorocyclopentadiene	ND	2720	509	18.7	2720	575	21.1	12.2	30 - 110	60	*
Hexachloroethane	ND	2720	1090	40.0	2720	1220	44.7	11.2	30 - 100	47	
Indeno(1,2,3-cd)pyrene	ND	2720	2100	77.4	2720	2270	83.4	7.55	50 - 135	84	
Isophorone	ND	2720	1530	56.4	2720	1730	63.7	12.3	35 - 100	62	
N-Nitroso-di-n-propylamine	ND	2720	1550	56.8	2720	1740	64.0	11.9	35 - 110	59	
N-Nitrosodiphenylamine	ND	2720	1150	42.4	2720	1340	49.3	15.0	50 - 130	65	*
Naphthalene	ND	2720	1360	50.1	2720	1510	55.4	10.1	35 - 100	45	
Nitrobenzene	ND	2720	1370	50.5	2720	1510	55.7	9.74	35 - 100	50	
Pentachlorophenol	ND	2720	2660	97.8	2720	2920	107	9.32	50 - 150	77	
Phenanthrene	ND	2720	2220	81.6	2720	2530	93.2	13.2	50 - 130	70	
Phenol	ND	2720	1350	49.5	2720	1490	55.0	10.4	35 - 100	51	
Pyrene	146	2720	2600	90.3	2720	2840	99.2	8.92	45 - 135	89	

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

00061843

DFTPP

Login Number: L0606695 _____ Tune ID: WG216025-01 _____
Instrument: HPMS4 _____ Run Date: 06/25/2006 _____
Analyst: MDC _____ Run Time: 12:15 _____
Workgroup: WG216025 _____ File ID: 4M33466 _____
Cal ID: HPMS4 - 25-JUN-06 _____

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	32.4	100894	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	35.1	109416	PASS
70.0	69.0	0	2.00	0.486	532	PASS
127	198	40.0	60.0	51.1	159274	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	311445	PASS
199	198	5.00	9.00	6.86	21373	PASS
275	198	10.0	30.0	23.9	74506	PASS
365	198	1.00	100	2.78	8654	PASS
441	443	0.0100	100	82.0	34880	PASS
442	198	40.0	100	72.7	226368	PASS
443	442	17.0	23.0	18.8	42560	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG216025-09	SSCV	01	06/25/2006 21:14	
WG216025-02	CCV	01	06/25/2006 16:37	
WG216025-08	STD	01	06/25/2006 16:02	
WG216025-07	STD	01	06/25/2006 15:27	
WG216025-06	STD	01	06/25/2006 14:53	
WG216025-05	STD	01	06/25/2006 14:18	
WG216025-04	STD	01	06/25/2006 13:43	
WG216025-03	STD	01	06/25/2006 13:09	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061844

DFTPP

Login Number: L0606695
Instrument: HPMS4
Analyst: ALT/JWR
Workgroup: WG216724

Tune ID: WG216724-01
Run Date: 07/06/2006
Run Time: 13:53
File ID: 4M33547

Cal ID: HPMS4 -25-JUN-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	38.9	86750	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	41.0	91485	PASS
70.0	69.0	0	2.00	0.554	507	PASS
127	198	40.0	60.0	54.3	121296	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	223232	PASS
199	198	5.00	9.00	6.70	14957	PASS
275	198	10.0	30.0	23.4	52224	PASS
365	198	1.00	100	2.74	6116	PASS
441	443	0.0100	100	78.6	24993	PASS
442	198	40.0	100	73.1	163128	PASS
443	442	17.0	23.0	19.5	31789	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG216724-02	CCV	07/06/2006 14:12

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG216687-01	BLANK	01	07/06/2006 18:14	
WG216687-02	LCS	01	07/06/2006 18:48	
WG216687-03	LCS2	01	07/06/2006 19:23	
L0606695-16	EQUIPMENT RINSE-SLIDE HAMMER	01	07/06/2006 22:52	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

00061845

DFTPP

Login Number: L0606695
Instrument: HPMS4
Analyst: ALT/JWR
Workgroup: WG216787

Tune ID: WG216787-01
Run Date: 07/07/2006
Run Time: 08:30
File ID: 4M33568

Cal ID: HPMS4 -25-JUN-06

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
51.0	198	30.0	60.0	36.0	81989	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	37.5	85359	PASS
70.0	69.0	0	2.00	0.662	565	PASS
127	198	40.0	60.0	52.2	118762	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	227456	PASS
199	198	5.00	9.00	6.80	15463	PASS
275	198	10.0	30.0	24.6	55893	PASS
365	198	1.00	100	2.96	6738	PASS
441	443	0.0100	100	81.1	28376	PASS
442	198	40.0	100	81.3	184896	PASS
443	442	17.0	23.0	18.9	34970	PASS

This check relates to the following CCV:

Lab ID	Client ID	Date Analyzed
WG216787-02	CCV	07/07/2006 09:22

This check relates to the following samples & batch QC:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG216596-02	BLANK	01	07/07/2006 10:31	
WG216596-03	LCS	01	07/07/2006 11:06	
L0606695-04	07SB02 (3-4)	01	07/07/2006 15:07	
L0606695-12	07SB06 (3-4)	01	07/07/2006 15:41	
L0606695-03	07SB02 (0-1)	01	07/07/2006 16:16	
L0606695-13	DUP-07SB02 (0-1)	01	07/07/2006 16:50	
L0606695-11	07SB06 (0-1)	01	07/07/2006 17:25	
L0606695-01	07SB01 (0-1)	01	07/07/2006 17:59	
L0606695-14	07SB01 (0-1)MS	01	07/07/2006 18:34	
L0606695-15	07SB01 (0-1)MSD	01	07/07/2006 19:08	
L0606695-02	07SB01 (3-4)	DL01	07/07/2006 19:42	

* Sample past 12 hour tune limit

INITIAL CALIBRATION SUMMARY

00061846

Login Number: L0606695
 Analytical Method: 8270C
 ICAL Workgroup: WG216025

Instrument ID: HPMS4
 Initial Calibration Date: 25-JUN-06 16:02
 Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
2,4,6-Trichlorophenol	CCC	0.3643	4.06		
2,4-Dichlorophenol	CCC	0.2953	3.24		
2-Nitrophenol	CCC	0.2249	5.30		
4-Chloro-3-Methylphenol	CCC	0.3000	4.52		
Acenaphthene	CCC	1.140	9.95		
Benzo[a]pyrene	CCC	1.316	3.70		
Di-n-Octyl Phthalate	CCC	1.751	4.27		
Fluoranthene	CCC	1.330	11.4		
Hexachlorobutadiene	CCC	0.1636	7.18		
Pentachlorophenol	CCC	0.1460	11.6		
Phenol	CCC	1.661	4.86		
n-Nitrosodiphenylamine	CCC	0.6408	6.82		
2,4-Dinitrophenol	SPCC	0.1032	42.4	0.994	
4-Nitrophenol	SPCC	0.1926	10.3		
Hexachlorocyclopentadiene	SPCC	0.1115	51.7		0.994
n-Nitrosodipropylamine	SPCC	0.8590	4.61		
2,4,5-Trichlorophenol		0.3984	3.61		
2,4-Dimethylphenol		0.3174	7.10		
2,4-Dinitrotoluene		0.3751	7.18		
2,6-Dinitrotoluene		0.3141	4.93		
2-Chloronaphthalene		1.148	8.35		
2-Chlorophenol		1.505	3.72		
2-Methylnaphthalene		0.7264	9.71		
2-Methylphenol		1.127	3.98		
2-Nitroaniline		0.3223	5.37		
3,3'-Dichlorobenzidine		0.3514	27.5	0.993	
3-,4-Methylphenol		1.628	3.38		
3-Nitroaniline		0.2686	17.7	0.995	
4,6-Dinitro-2-Methylphenol		0.1486	20.1	0.998	
4-Bromophenyl Phenyl Ether		0.2492	5.84		
4-Chloroaniline		0.3691	7.99		
4-Chlorophenyl Phenyl Ether		0.6389	7.42		
4-Nitroaniline		0.2899	12.7		
Acenaphthylene		1.842	9.52		
Anthracene		1.288	11.3		
Benzo[a]anthracene		1.313	8.82		
Benzo[b]fluoranthene		1.452	3.79		
Benzo[ghi]perylene		1.295	3.71		
Benzo[k]fluoranthene		1.294	6.58		
Butyl Benzyl Phthalate		0.7285	7.72		
Carbazole		1.048	21.7		0.997
Chrysene		1.314	10.7		
Di-n-Butyl Phthalate		1.447	10.6		
Dibenz[ah]anthracene		1.252	3.33		
Dibenzofuran		1.614	12.9		

KEMRON FORMS - Modified 06/12/2006
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INITIAL CALIBRATION SUMMARY

00061847

Login Number: L0606695
Analytical Method: 8270C
ICAL Workgroup: WG216025

Instrument ID: HPMS4
Initial Calibration Date: 25-JUN-06 16:02
Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
Diethylphthalate		1.281	8.42		
Dimethylphthalate		1.302	7.44		
Fluorene		1.360	9.52		
Hexachlorobenzene		0.2521	7.06		
Hexachloroethane		0.5946	3.65		
Indeno[1,2,3-cd]pyrene		1.558	3.56		
Isophorone		0.5738	6.91		
Naphthalene		1.067	10.7		
Nitrobenzene		0.3406	6.84		
Phenanthrene		1.283	11.7		
Pyrene		1.470	11.9		
bis(2-Chloroethoxy)methane		0.3841	7.95		
bis(2-Chloroethyl)ether		0.8859	7.53		
bis(2-Chloroisopropyl)ether		1.790	11.5		
bis(2-Ethylhexyl)phthalate		0.9676	9.47		

INITIAL CALIBRATION SUMMARY

00061848

Login Number: L0606695
 Analytical Method: 8270C
 ICAL Workgroup: WG216025

Instrument ID: HPMS4
 Initial Calibration Date: 25-JUN-06 16:02
 Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
2,4,6-Trichlorophenol	CCC	0.3643	4.06		
2,4-Dichlorophenol	CCC	0.2953	3.24		
2-Nitrophenol	CCC	0.2249	5.30		
4-Chloro-3-Methylphenol	CCC	0.3000	4.52		
Acenaphthene	CCC	1.140	9.95		
Benzo[a]pyrene	CCC	1.316	3.70		
Di-n-Octyl Phthalate	CCC	1.751	4.27		
Fluoranthene	CCC	1.330	11.4		
Hexachlorobutadiene	CCC	0.1636	7.18		
Pentachlorophenol	CCC	0.1460	11.6		
Phenol	CCC	1.661	4.86		
n-Nitrosodiphenylamine	CCC	0.6408	6.82		
2,4-Dinitrophenol	SPCC	0.1032	42.4	0.994	
4-Nitrophenol	SPCC	0.1926	10.3		
Hexachlorocyclopentadiene	SPCC	0.1115	51.7		0.994
n-Nitrosodipropylamine	SPCC	0.8590	4.61		
2,4,5-Trichlorophenol		0.3984	3.61		
2,4-Dimethylphenol		0.3174	7.10		
2,4-Dinitrotoluene		0.3751	7.18		
2,6-Dinitrotoluene		0.3141	4.93		
2-Chloronaphthalene		1.148	8.35		
2-Chlorophenol		1.505	3.72		
2-Methylnaphthalene		0.7264	9.71		
2-Methylphenol		1.127	3.98		
2-Nitroaniline		0.3223	5.37		
3,3'-Dichlorobenzidine		0.3514	27.5	0.993	
3-,4-Methylphenol		1.628	3.38		
3-Nitroaniline		0.2686	17.7	0.995	
4,6-Dinitro-2-Methylphenol		0.1486	20.1	0.998	
4-Bromophenyl Phenyl Ether		0.2492	5.84		
4-Chloroaniline		0.3691	7.99		
4-Chlorophenyl Phenyl Ether		0.6389	7.42		
4-Nitroaniline		0.2899	12.7		
Acenaphthylene		1.842	9.52		
Anthracene		1.288	11.3		
Benzo[a]anthracene		1.313	8.82		
Benzo[b]fluoranthene		1.452	3.79		
Benzo[ghi]perylene		1.295	3.71		
Benzo[k]fluoranthene		1.294	6.58		
Butyl Benzyl Phthalate		0.7285	7.72		
Carbazole		1.048	21.7		0.997
Chrysene		1.314	10.7		
Di-n-Butyl Phthalate		1.447	10.6		
Dibenz[ah]anthracene		1.252	3.33		
Dibenzofuran		1.614	12.9		

KEMRON FORMS - Modified 06/12/2006
 Version 1.5 PDF File ID: 513287
 Report generated 07/10/2006 16:01

INITIAL CALIBRATION SUMMARY

00061849

Login Number: L0606695
Analytical Method: 8270C
ICAL Workgroup: WG216025

Instrument ID: HPMS4
Initial Calibration Date: 25-JUN-06 16:02
Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
Diethylphthalate		1.281	8.42		
Dimethylphthalate		1.302	7.44		
Fluorene		1.360	9.52		
Hexachlorobenzene		0.2521	7.06		
Hexachloroethane		0.5946	3.65		
Indeno[1,2,3-cd]pyrene		1.558	3.56		
Isophorone		0.5738	6.91		
Naphthalene		1.067	10.7		
Nitrobenzene		0.3406	6.84		
Phenanthrene		1.283	11.7		
Pyrene		1.470	11.9		
bis(2-Chloroethoxy)methane		0.3841	7.95		
bis(2-Chloroethyl)ether		0.8859	7.53		
bis(2-Chloroisopropyl)ether		1.790	11.5		
bis(2-Ethylhexyl)phthalate		0.9676	9.47		

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS4

00061850

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-02			WG216025-03			WG216025-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
2,4,6-Trichlorophenol	50.0	626533	0.3465	3.00	40626	0.3511	15.0	195292	0.3826
2,4-Dichlorophenol	50.0	890232	0.2822	3.00	59790	0.2908	15.0	278807	0.3073
2-Nitrophenol	50.0	722091	0.2289	3.00	41973	0.2041	15.0	212386	0.2341
4-Chloro-3-Methylphenol	50.0	896129	0.2841	3.00	61770	0.3004	15.0	287872	0.3173
Acenaphthene	50.0	1962353	1.085	3.00	148268	1.281	15.0	641217	1.256
Benzo[a]pyrene	50.0	2981995	1.240	3.00	217004	1.365	15.0	956006	1.371
Di-n-Octyl Phthalate	50.0	4087778	1.699	3.00	275213	1.731	15.0	1293024	1.854
Fluoranthene	50.0	3414180	1.263	3.00	261508	1.531	15.0	1134945	1.479
Hexachlorobutadiene	50.0	479918	0.1521	3.00	37361	0.1817	15.0	158560	0.1748
Pentachlorophenol	50.0	375513	0.1389	NA	NA	NA	15.0	92321	0.1203
Phenol	50.0	1255831	1.573	3.00	93415	1.726	15.0	412273	1.750
n-Nitrosodiphenylamine	50.0	1636278	0.6051	3.00	118925	0.6961	15.0	527557	0.6875
2,4-Dinitrophenol	50.0	177852	0.09840	NA	NA	NA	15.0	19298	0.03780
4-Nitrophenol	50.0	346812	0.1918	NA	NA	NA	15.0	79343	0.1554
Hexachlorocyclopentadiene	50.0	209576	0.1159	3.00	1540	0.01330	15.0	34037	0.06670
n-Nitrosodipropylamine	50.0	641104	0.8029	3.00	48252	0.8918	15.0	212058	0.9003
2,4,5-Trichlorophenol	50.0	684009	0.3783	3.00	45548	0.3936	15.0	212498	0.4163
2,4-Dimethylphenol	50.0	1003263	0.3180	3.00	70676	0.3437	15.0	309758	0.3415
2,4-Dinitrotoluene	50.0	673961	0.3727	3.00	41013	0.3544	15.0	208407	0.4083
2,6-Dinitrotoluene	50.0	543345	0.3005	3.00	33222	0.2871	15.0	165534	0.3243
2-Chloronaphthalene	50.0	1953787	1.081	3.00	146817	1.269	15.0	641301	1.256
2-Chlorophenol	50.0	1130858	1.416	3.00	84262	1.557	15.0	367239	1.559
2-Methylnaphthalene	50.0	2176202	0.6898	3.00	168629	0.8201	15.0	725476	0.7997
2-Methylphenol	50.0	853898	1.069	3.00	62324	1.152	15.0	279006	1.185
2-Nitroaniline	50.0	563037	0.3114	NA	NA	NA	15.0	175339	0.3435
3,3'-Dichlorobenzidine	50.0	746242	0.2947	3.00	78621	0.4930	15.0	334802	0.4683
3-,4-Methylphenol	50.0	1242932	1.557	3.00	89342	1.651	15.0	396642	1.684
3-Nitroaniline	50.0	486608	0.2691	NA	NA	NA	15.0	168135	0.3294
4,6-Dinitro-2-Methylphenol	50.0	385024	0.1424	NA	NA	NA	15.0	78710	0.1026
4-Bromophenyl Phenyl Ether	50.0	625879	0.2315	3.00	45447	0.2660	15.0	203616	0.2654
4-Chloroaniline	50.0	1047709	0.3321	3.00	84586	0.4114	15.0	360691	0.3976
4-Chlorophenyl Phenyl Ether	50.0	1082247	0.5985	3.00	80802	0.6983	15.0	353312	0.6921
4-Nitroaniline	50.0	533629	0.2951	NA	NA	NA	15.0	174431	0.3417
Acenaphthylene	50.0	3184436	1.761	3.00	233075	2.014	15.0	1045538	2.048
Anthracene	50.0	3330810	1.232	3.00	254073	1.487	15.0	1093923	1.426
Benzo[a]anthracene	50.0	3116378	1.231	3.00	236576	1.484	15.0	1015579	1.421
Benzo[b]fluoranthene	50.0	3318252	1.380	3.00	232950	1.465	15.0	1071333	1.536
Benzo[ghi]perylene	50.0	2888420	1.201	3.00	201580	1.268	15.0	917033	1.315
Benzo[k]fluoranthene	50.0	2956983	1.229	3.00	210955	1.327	15.0	965285	1.384
Butyl Benzyl Phthalate	50.0	1702075	0.6721	3.00	127496	0.7995	15.0	555884	0.7775
Carbazole	50.0	2854447	1.056	3.00	221604	1.297	15.0	979700	1.277
Chrysene	50.0	3111508	1.229	3.00	243765	1.529	15.0	1032084	1.444

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INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS4

00061851

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-05			WG216025-06			WG216025-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
2,4,6-Trichlorophenol	25.0	336695	0.3812	80.0	1155576	0.3630	100	1380122	0.3729
2,4-Dichlorophenol	25.0	478056	0.3066	80.0	1625862	0.2935	100	1929637	0.2995
2-Nitrophenol	25.0	369121	0.2368	80.0	1244069	0.2245	100	1494457	0.2320
4-Chloro-3-Methylphenol	25.0	494798	0.3174	80.0	1638374	0.2957	100	1933608	0.3001
Acenaphthene	25.0	1083372	1.227	80.0	3418208	1.074	100	3965739	1.071
Benzo[a]pyrene	25.0	1620763	1.345	80.0	5488700	1.293	100	6470040	1.323
Di-n-Octyl Phthalate	25.0	2219672	1.843	80.0	7380628	1.738	100	8535707	1.746
Fluoranthene	25.0	1904984	1.440	80.0	5912045	1.237	100	6789932	1.231
Hexachlorobutadiene	25.0	264038	0.1694	80.0	866993	0.1565	100	1025900	0.1592
Pentachlorophenol	25.0	180949	0.1367	80.0	744062	0.1557	100	903615	0.1638
Phenol	25.0	693773	1.748	80.0	2259274	1.623	100	2654518	1.645
n-Nitrosodiphenylamine	25.0	891167	0.6734	80.0	2940272	0.6154	100	3420802	0.6202
2,4-Dinitrophenol	25.0	58731	0.06650	80.0	412597	0.1296	100	533655	0.1442
4-Nitrophenol	25.0	167892	0.1901	80.0	655378	0.2059	100	779309	0.2105
Hexachlorocyclopentadiene	25.0	84498	0.09570	80.0	495180	0.1556	100	624709	0.1688
n-Nitrosodipropylamine	25.0	352058	0.8872	80.0	1155797	0.8301	100	1358530	0.8419
2,4,5-Trichlorophenol	25.0	366443	0.4149	80.0	1259360	0.3956	100	1498571	0.4049
2,4-Dimethylphenol	25.0	516480	0.3313	80.0	1660541	0.2997	100	1947203	0.3022
2,4-Dinitrotoluene	25.0	364829	0.4131	80.0	1178556	0.3702	100	1361299	0.3678
2,6-Dinitrotoluene	25.0	290676	0.3291	80.0	1013346	0.3183	100	1211789	0.3274
2-Chloronaphthalene	25.0	1072436	1.214	80.0	3466245	1.089	100	4042928	1.092
2-Chlorophenol	25.0	615569	1.551	80.0	2054135	1.475	100	2450596	1.519
2-Methylnaphthalene	25.0	1208672	0.7753	80.0	3782169	0.6826	100	4381246	0.6800
2-Methylphenol	25.0	465175	1.172	80.0	1538707	1.105	100	1820628	1.128
2-Nitroaniline	25.0	302420	0.3424	80.0	1007283	0.3164	100	1184222	0.3199
3,3'-Dichlorobenzidine	25.0	475371	0.3832	80.0	1236241	0.2760	100	1450021	0.2807
3-,4-Methylphenol	25.0	672158	1.694	80.0	2243754	1.612	100	2644127	1.639
3-Nitroaniline	25.0	286241	0.3241	80.0	734426	0.2307	100	840520	0.2271
4,6-Dinitro-2-Methylphenol	25.0	168141	0.1271	80.0	798634	0.1672	100	975099	0.1768
4-Bromophenyl Phenyl Ether	25.0	344046	0.2600	80.0	1150235	0.2407	100	1356795	0.2460
4-Chloroaniline	25.0	600660	0.3853	80.0	1974821	0.3564	100	2313702	0.3591
4-Chlorophenyl Phenyl Ether	25.0	594177	0.6727	80.0	1946798	0.6116	100	2278705	0.6156
4-Nitroaniline	25.0	284506	0.3221	80.0	869559	0.2732	100	969065	0.2618
Acenaphthylene	25.0	1764415	1.998	80.0	5563281	1.748	100	6409832	1.732
Anthracene	25.0	1836336	1.388	80.0	5722844	1.198	100	6548924	1.187
Benzo[a]anthracene	25.0	1718038	1.385	80.0	5573426	1.244	100	6460999	1.251
Benzo[b]fluoranthene	25.0	1758208	1.460	80.0	5870312	1.382	100	7224214	1.478
Benzo[ghi]perylene	25.0	1578273	1.310	80.0	5569059	1.312	100	6602639	1.351
Benzo[k]fluoranthene	25.0	1699579	1.411	80.0	5164407	1.216	100	6356025	1.300
Butyl Benzyl Phthalate	25.0	939916	0.7577	80.0	3043399	0.6794	100	3536070	0.6845
Carbazole	25.0	1636367	1.237	80.0	4236649	0.8867	100	4445350	0.8060
Chrysene	25.0	1726266	1.392	80.0	5528874	1.234	100	6332675	1.226

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS4

00061852

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-08		
	CONC	RESP	RF
2,4,6-Trichlorophenol	120	1638423	0.3530
2,4-Dichlorophenol	120	2309489	0.2873
2-Nitrophenol	120	1716416	0.2136
4-Chloro-3-Methylphenol	120	2289569	0.2849
Acenaphthene	120	4571101	0.9848
Benzo[a]pyrene	120	7807494	1.276
Di-n-Octyl Phthalate	120	10066238	1.645
Fluoranthene	120	7787615	1.130
Hexachlorobutadiene	120	1219571	0.1517
Pentachlorophenol	120	1107262	0.1607
Phenol	120	3135078	1.563
n-Nitrosodiphenylamine	120	4050180	0.5877
2,4-Dinitrophenol	120	663287	0.1429
4-Nitrophenol	120	937125	0.2019
Hexachlorocyclopentadiene	120	764107	0.1646
n-Nitrosodipropylamine	NA	NA	NA
2,4,5-Trichlorophenol	120	1788452	0.3853
2,4-Dimethylphenol	120	2291895	0.2852
2,4-Dinitrotoluene	120	1573995	0.3391
2,6-Dinitrotoluene	120	1449746	0.3123
2-Chloronaphthalene	120	4793641	1.033
2-Chlorophenol	120	2929458	1.460
2-Methylnaphthalene	120	5123591	0.6375
2-Methylphenol	120	2164525	1.079
2-Nitroaniline	120	1393843	0.3003
3,3'-Dichlorobenzidine	120	1709673	0.2642
3-,4-Methylphenol	120	3128702	1.559
3-Nitroaniline	120	1071780	0.2309
4,6-Dinitro-2-Methylphenol	120	1208063	0.1753
4-Bromophenyl Phenyl Ether	120	1616738	0.2346
4-Chloroaniline	120	2748697	0.3420
4-Chlorophenyl Phenyl Ether	120	2708078	0.5835
4-Nitroaniline	120	1138288	0.2452
Acenaphthylene	120	7406250	1.596
Anthracene	120	7563715	1.098
Benzo[a]anthracene	120	7598744	1.174
Benzo[b]fluoranthene	120	8950932	1.463
Benzo[ghi]perylene	120	8011854	1.309
Benzo[k]fluoranthene	120	7292275	1.192
Butyl Benzyl Phthalate	NA	NA	NA
Carbazole	120	5332041	0.7737
Chrysene	120	7402207	1.144

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INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS4

00061853

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-02			WG216025-03			WG216025-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Di-n-Butyl Phthalate	50.0	3743892	1.385	3.00	276612	1.619	15.0	1238032	1.613
Dibenz[ah]anthracene	50.0	2843714	1.182	3.00	192791	1.212	15.0	898502	1.288
Dibenzofuran	50.0	2776658	1.536	3.00	216425	1.870	15.0	935306	1.832
Diethylphthalate	50.0	2180878	1.206	3.00	163592	1.414	15.0	714089	1.399
Dimethylphthalate	50.0	2201045	1.217	3.00	165482	1.430	15.0	717861	1.406
Fluorene	50.0	2324748	1.286	3.00	175957	1.521	15.0	765195	1.499
Hexachlorobenzene	50.0	635869	0.2352	3.00	47554	0.2784	15.0	206936	0.2697
Hexachloroethane	50.0	447827	0.5609	3.00	33222	0.6140	15.0	144823	0.6149
Indeno[1,2,3-cd]pyrene	50.0	3497452	1.454	3.00	241145	1.516	15.0	1116868	1.601
Isophorone	50.0	1709591	0.5419	3.00	127008	0.6177	15.0	562668	0.6202
Naphthalene	50.0	3194656	1.013	3.00	251436	1.223	15.0	1067274	1.177
Nitrobenzene	50.0	1012162	0.3208	3.00	75068	0.3651	15.0	334717	0.3690
Phenanthrene	50.0	3277633	1.212	3.00	256437	1.501	15.0	1089465	1.420
Pyrene	50.0	3533684	1.395	3.00	272346	1.708	15.0	1174663	1.643
bis(2-Chloroethoxy)methane	50.0	1158936	0.3674	3.00	86807	0.4222	15.0	377572	0.4162
bis(2-Chloroethyl)ether	50.0	665299	0.8332	3.00	52906	0.9778	15.0	223753	0.9500
bis(2-Chloroisopropyl)ether	50.0	1348404	1.689	3.00	112044	2.071	15.0	470196	1.996
bis(2-Ethylhexyl)phthalate	50.0	2346603	0.9266	3.00	169374	1.062	15.0	766887	1.073

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS4

00061854

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-05			WG216025-06			WG216025-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Di-n-Butyl Phthalate	25.0	2083899	1.575	80.0	6497793	1.360	100	7431264	1.347
Dibenz[ah]anthracene	25.0	1552251	1.289	80.0	5350318	1.260	100	6294516	1.288
Dibenzofuran	25.0	1563331	1.770	80.0	4764625	1.497	100	5426968	1.466
Diethylphthalate	25.0	1205433	1.365	80.0	3881373	1.219	100	4517494	1.220
Dimethylphthalate	25.0	1205487	1.365	80.0	3972839	1.248	100	4671662	1.262
Fluorene	25.0	1287106	1.457	80.0	4090425	1.285	100	4740063	1.281
Hexachlorobenzene	25.0	346169	0.2616	80.0	1155310	0.2418	100	1350449	0.2448
Hexachloroethane	25.0	244318	0.6157	80.0	814217	0.5848	100	961505	0.5959
Indeno[1,2,3-cd]pyrene	25.0	1906546	1.583	80.0	6676655	1.572	100	7891567	1.614
Isophorone	25.0	944740	0.6060	80.0	3063024	0.5528	100	3568420	0.5539
Naphthalene	25.0	1781947	1.143	80.0	5563223	1.004	100	6409372	0.9948
Nitrobenzene	25.0	560100	0.3593	80.0	1818682	0.3283	100	2130696	0.3307
Phenanthrene	25.0	1824069	1.378	80.0	5722979	1.198	100	6508299	1.180
Pyrene	25.0	1972084	1.590	80.0	6090736	1.360	100	6979928	1.351
bis(2-Chloroethoxy)methane	25.0	633817	0.4065	80.0	2039999	0.3682	100	2352938	0.3652
bis(2-Chloroethyl)ether	25.0	371349	0.9359	80.0	1176747	0.8451	100	1374238	0.8516
bis(2-Chloroisopropyl)ether	25.0	767389	1.934	80.0	2308184	1.658	100	2655318	1.646
bis(2-Ethylhexyl)phthalate	25.0	1297708	1.046	80.0	4106817	0.9168	100	4708762	0.9115

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS4

00061855

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-08		
	CONC	RESP	RF
Di-n-Butyl Phthalate	120	8495520	1.233
Dibenz[ah]anthracene	120	7631950	1.247
Dibenzofuran	120	6167087	1.329
Diethylphthalate	120	5318845	1.146
Dimethylphthalate	120	5506070	1.186
Fluorene	120	5527661	1.191
Hexachlorobenzene	120	1605633	0.2330
Hexachloroethane	120	1154954	0.5757
Indeno[1,2,3-cd]pyrene	120	9569505	1.564
Isophorone	120	4212495	0.5241
Naphthalene	120	7338222	0.9130
Nitrobenzene	120	2501245	0.3112
Phenanthrene	120	7522862	1.092
Pyrene	120	8033272	1.242
bis(2-Chloroethoxy)methane	120	2754230	0.3427
bis(2-Chloroethyl)ether	120	1621060	0.8080
bis(2-Chloroisopropyl)ether	120	3088984	1.540
bis(2-Ethylhexyl)phthalate	120	5420652	0.8377

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS4

00061856

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-02			WG216025-03			WG216025-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
2,4,6-Trichlorophenol	50.0	626533	0.3465	3.00	40626	0.3511	15.0	195292	0.3826
2,4-Dichlorophenol	50.0	890232	0.2822	3.00	59790	0.2908	15.0	278807	0.3073
2-Nitrophenol	50.0	722091	0.2289	3.00	41973	0.2041	15.0	212386	0.2341
4-Chloro-3-Methylphenol	50.0	896129	0.2841	3.00	61770	0.3004	15.0	287872	0.3173
Acenaphthene	50.0	1962353	1.085	3.00	148268	1.281	15.0	641217	1.256
Benzo[a]pyrene	50.0	2981995	1.240	3.00	217004	1.365	15.0	956006	1.371
Di-n-Octyl Phthalate	50.0	4087778	1.699	3.00	275213	1.731	15.0	1293024	1.854
Fluoranthene	50.0	3414180	1.263	3.00	261508	1.531	15.0	1134945	1.479
Hexachlorobutadiene	50.0	479918	0.1521	3.00	37361	0.1817	15.0	158560	0.1748
Pentachlorophenol	50.0	375513	0.1389	NA	NA	NA	15.0	92321	0.1203
Phenol	50.0	1255831	1.573	3.00	93415	1.726	15.0	412273	1.750
n-Nitrosodiphenylamine	50.0	1636278	0.6051	3.00	118925	0.6961	15.0	527557	0.6875
2,4-Dinitrophenol	50.0	177852	0.09840	NA	NA	NA	15.0	19298	0.03780
4-Nitrophenol	50.0	346812	0.1918	NA	NA	NA	15.0	79343	0.1554
Hexachlorocyclopentadiene	50.0	209576	0.1159	3.00	1540	0.01330	15.0	34037	0.06670
n-Nitrosodipropylamine	50.0	641104	0.8029	3.00	48252	0.8918	15.0	212058	0.9003
2,4,5-Trichlorophenol	50.0	684009	0.3783	3.00	45548	0.3936	15.0	212498	0.4163
2,4-Dimethylphenol	50.0	1003263	0.3180	3.00	70676	0.3437	15.0	309758	0.3415
2,4-Dinitrotoluene	50.0	673961	0.3727	3.00	41013	0.3544	15.0	208407	0.4083
2,6-Dinitrotoluene	50.0	543345	0.3005	3.00	33222	0.2871	15.0	165534	0.3243
2-Chloronaphthalene	50.0	1953787	1.081	3.00	146817	1.269	15.0	641301	1.256
2-Chlorophenol	50.0	1130858	1.416	3.00	84262	1.557	15.0	367239	1.559
2-Methylnaphthalene	50.0	2176202	0.6898	3.00	168629	0.8201	15.0	725476	0.7997
2-Methylphenol	50.0	853898	1.069	3.00	62324	1.152	15.0	279006	1.185
2-Nitroaniline	50.0	563037	0.3114	NA	NA	NA	15.0	175339	0.3435
3,3'-Dichlorobenzidine	50.0	746242	0.2947	3.00	78621	0.4930	15.0	334802	0.4683
3-,4-Methylphenol	50.0	1242932	1.557	3.00	89342	1.651	15.0	396642	1.684
3-Nitroaniline	50.0	486608	0.2691	NA	NA	NA	15.0	168135	0.3294
4,6-Dinitro-2-Methylphenol	50.0	385024	0.1424	NA	NA	NA	15.0	78710	0.1026
4-Bromophenyl Phenyl Ether	50.0	625879	0.2315	3.00	45447	0.2660	15.0	203616	0.2654
4-Chloroaniline	50.0	1047709	0.3321	3.00	84586	0.4114	15.0	360691	0.3976
4-Chlorophenyl Phenyl Ether	50.0	1082247	0.5985	3.00	80802	0.6983	15.0	353312	0.6921
4-Nitroaniline	50.0	533629	0.2951	NA	NA	NA	15.0	174431	0.3417
Acenaphthylene	50.0	3184436	1.761	3.00	233075	2.014	15.0	1045538	2.048
Anthracene	50.0	3330810	1.232	3.00	254073	1.487	15.0	1093923	1.426
Benzo[a]anthracene	50.0	3116378	1.231	3.00	236576	1.484	15.0	1015579	1.421
Benzo[b]fluoranthene	50.0	3318252	1.380	3.00	232950	1.465	15.0	1071333	1.536
Benzo[ghi]perylene	50.0	2888420	1.201	3.00	201580	1.268	15.0	917033	1.315
Benzo[k]fluoranthene	50.0	2956983	1.229	3.00	210955	1.327	15.0	965285	1.384
Butyl Benzyl Phthalate	50.0	1702075	0.6721	3.00	127496	0.7995	15.0	555884	0.7775
Carbazole	50.0	2854447	1.056	3.00	221604	1.297	15.0	979700	1.277
Chrysene	50.0	3111508	1.229	3.00	243765	1.529	15.0	1032084	1.444

KEMRON FORMS - Modified 03/06/2006
Version 1.6 PDF File ID: 513287
Report generated 07/10/2006 16:01

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS4

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

00061857

Analyte	WG216025-05			WG216025-06			WG216025-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
2,4,6-Trichlorophenol	25.0	336695	0.3812	80.0	1155576	0.3630	100	1380122	0.3729
2,4-Dichlorophenol	25.0	478056	0.3066	80.0	1625862	0.2935	100	1929637	0.2995
2-Nitrophenol	25.0	369121	0.2368	80.0	1244069	0.2245	100	1494457	0.2320
4-Chloro-3-Methylphenol	25.0	494798	0.3174	80.0	1638374	0.2957	100	1933608	0.3001
Acenaphthene	25.0	1083372	1.227	80.0	3418208	1.074	100	3965739	1.071
Benzo[a]pyrene	25.0	1620763	1.345	80.0	5488700	1.293	100	6470040	1.323
Di-n-Octyl Phthalate	25.0	2219672	1.843	80.0	7380628	1.738	100	8535707	1.746
Fluoranthene	25.0	1904984	1.440	80.0	5912045	1.237	100	6789932	1.231
Hexachlorobutadiene	25.0	264038	0.1694	80.0	866993	0.1565	100	1025900	0.1592
Pentachlorophenol	25.0	180949	0.1367	80.0	744062	0.1557	100	903615	0.1638
Phenol	25.0	693773	1.748	80.0	2259274	1.623	100	2654518	1.645
n-Nitrosodiphenylamine	25.0	891167	0.6734	80.0	2940272	0.6154	100	3420802	0.6202
2,4-Dinitrophenol	25.0	58731	0.06650	80.0	412597	0.1296	100	533655	0.1442
4-Nitrophenol	25.0	167892	0.1901	80.0	655378	0.2059	100	779309	0.2105
Hexachlorocyclopentadiene	25.0	84498	0.09570	80.0	495180	0.1556	100	624709	0.1688
n-Nitrosodipropylamine	25.0	352058	0.8872	80.0	1155797	0.8301	100	1358530	0.8419
2,4,5-Trichlorophenol	25.0	366443	0.4149	80.0	1259360	0.3956	100	1498571	0.4049
2,4-Dimethylphenol	25.0	516480	0.3313	80.0	1660541	0.2997	100	1947203	0.3022
2,4-Dinitrotoluene	25.0	364829	0.4131	80.0	1178556	0.3702	100	1361299	0.3678
2,6-Dinitrotoluene	25.0	290676	0.3291	80.0	1013346	0.3183	100	1211789	0.3274
2-Chloronaphthalene	25.0	1072436	1.214	80.0	3466245	1.089	100	4042928	1.092
2-Chlorophenol	25.0	615569	1.551	80.0	2054135	1.475	100	2450596	1.519
2-Methylnaphthalene	25.0	1208672	0.7753	80.0	3782169	0.6826	100	4381246	0.6800
2-Methylphenol	25.0	465175	1.172	80.0	1538707	1.105	100	1820628	1.128
2-Nitroaniline	25.0	302420	0.3424	80.0	1007283	0.3164	100	1184222	0.3199
3,3'-Dichlorobenzidine	25.0	475371	0.3832	80.0	1236241	0.2760	100	1450021	0.2807
3-,4-Methylphenol	25.0	672158	1.694	80.0	2243754	1.612	100	2644127	1.639
3-Nitroaniline	25.0	286241	0.3241	80.0	734426	0.2307	100	840520	0.2271
4,6-Dinitro-2-Methylphenol	25.0	168141	0.1271	80.0	798634	0.1672	100	975099	0.1768
4-Bromophenyl Phenyl Ether	25.0	344046	0.2600	80.0	1150235	0.2407	100	1356795	0.2460
4-Chloroaniline	25.0	600660	0.3853	80.0	1974821	0.3564	100	2313702	0.3591
4-Chlorophenyl Phenyl Ether	25.0	594177	0.6727	80.0	1946798	0.6116	100	2278705	0.6156
4-Nitroaniline	25.0	284506	0.3221	80.0	869559	0.2732	100	969065	0.2618
Acenaphthylene	25.0	1764415	1.998	80.0	5563281	1.748	100	6409832	1.732
Anthracene	25.0	1836336	1.388	80.0	5722844	1.198	100	6548924	1.187
Benzo[a]anthracene	25.0	1718038	1.385	80.0	5573426	1.244	100	6460999	1.251
Benzo[b]fluoranthene	25.0	1758208	1.460	80.0	5870312	1.382	100	7224214	1.478
Benzo[ghi]perylene	25.0	1578273	1.310	80.0	5569059	1.312	100	6602639	1.351
Benzo[k]fluoranthene	25.0	1699579	1.411	80.0	5164407	1.216	100	6356025	1.300
Butyl Benzyl Phthalate	25.0	939916	0.7577	80.0	3043399	0.6794	100	3536070	0.6845
Carbazole	25.0	1636367	1.237	80.0	4236649	0.8867	100	4445350	0.8060
Chrysene	25.0	1726266	1.392	80.0	5528874	1.234	100	6332675	1.226

KEMRON FORMS - Modified 03/06/2006
Version 1.6 PDF File ID: 513287
Report generated 07/10/2006 16:01

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS4

00061858

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-08		
	CONC	RESP	RF
2,4,6-Trichlorophenol	120	1638423	0.3530
2,4-Dichlorophenol	120	2309489	0.2873
2-Nitrophenol	120	1716416	0.2136
4-Chloro-3-Methylphenol	120	2289569	0.2849
Acenaphthene	120	4571101	0.9848
Benzo[a]pyrene	120	7807494	1.276
Di-n-Octyl Phthalate	120	10066238	1.645
Fluoranthene	120	7787615	1.130
Hexachlorobutadiene	120	1219571	0.1517
Pentachlorophenol	120	1107262	0.1607
Phenol	120	3135078	1.563
n-Nitrosodiphenylamine	120	4050180	0.5877
2,4-Dinitrophenol	120	663287	0.1429
4-Nitrophenol	120	937125	0.2019
Hexachlorocyclopentadiene	120	764107	0.1646
n-Nitrosodipropylamine	NA	NA	NA
2,4,5-Trichlorophenol	120	1788452	0.3853
2,4-Dimethylphenol	120	2291895	0.2852
2,4-Dinitrotoluene	120	1573995	0.3391
2,6-Dinitrotoluene	120	1449746	0.3123
2-Chloronaphthalene	120	4793641	1.033
2-Chlorophenol	120	2929458	1.460
2-Methylnaphthalene	120	5123591	0.6375
2-Methylphenol	120	2164525	1.079
2-Nitroaniline	120	1393843	0.3003
3,3'-Dichlorobenzidine	120	1709673	0.2642
3-,4-Methylphenol	120	3128702	1.559
3-Nitroaniline	120	1071780	0.2309
4,6-Dinitro-2-Methylphenol	120	1208063	0.1753
4-Bromophenyl Phenyl Ether	120	1616738	0.2346
4-Chloroaniline	120	2748697	0.3420
4-Chlorophenyl Phenyl Ether	120	2708078	0.5835
4-Nitroaniline	120	1138288	0.2452
Acenaphthylene	120	7406250	1.596
Anthracene	120	7563715	1.098
Benzo[a]anthracene	120	7598744	1.174
Benzo[b]fluoranthene	120	8950932	1.463
Benzo[ghi]perylene	120	8011854	1.309
Benzo[k]fluoranthene	120	7292275	1.192
Butyl Benzyl Phthalate	NA	NA	NA
Carbazole	120	5332041	0.7737
Chrysene	120	7402207	1.144

KEMRON FORMS - Modified 03/06/2006
Version 1.6 PDF File ID: 513287
Report generated 07/10/2006 16:01

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS4

00061859

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-02			WG216025-03			WG216025-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Di-n-Butyl Phthalate	50.0	3743892	1.385	3.00	276612	1.619	15.0	1238032	1.613
Dibenz[ah]anthracene	50.0	2843714	1.182	3.00	192791	1.212	15.0	898502	1.288
Dibenzofuran	50.0	2776658	1.536	3.00	216425	1.870	15.0	935306	1.832
Diethylphthalate	50.0	2180878	1.206	3.00	163592	1.414	15.0	714089	1.399
Dimethylphthalate	50.0	2201045	1.217	3.00	165482	1.430	15.0	717861	1.406
Fluorene	50.0	2324748	1.286	3.00	175957	1.521	15.0	765195	1.499
Hexachlorobenzene	50.0	635869	0.2352	3.00	47554	0.2784	15.0	206936	0.2697
Hexachloroethane	50.0	447827	0.5609	3.00	33222	0.6140	15.0	144823	0.6149
Indeno[1,2,3-cd]pyrene	50.0	3497452	1.454	3.00	241145	1.516	15.0	1116868	1.601
Isophorone	50.0	1709591	0.5419	3.00	127008	0.6177	15.0	562668	0.6202
Naphthalene	50.0	3194656	1.013	3.00	251436	1.223	15.0	1067274	1.177
Nitrobenzene	50.0	1012162	0.3208	3.00	75068	0.3651	15.0	334717	0.3690
Phenanthrene	50.0	3277633	1.212	3.00	256437	1.501	15.0	1089465	1.420
Pyrene	50.0	3533684	1.395	3.00	272346	1.708	15.0	1174663	1.643
bis(2-Chloroethoxy)methane	50.0	1158936	0.3674	3.00	86807	0.4222	15.0	377572	0.4162
bis(2-Chloroethyl)ether	50.0	665299	0.8332	3.00	52906	0.9778	15.0	223753	0.9500
bis(2-Chloroisopropyl)ether	50.0	1348404	1.689	3.00	112044	2.071	15.0	470196	1.996
bis(2-Ethylhexyl)phthalate	50.0	2346603	0.9266	3.00	169374	1.062	15.0	766887	1.073

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS4

00061860

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-05			WG216025-06			WG216025-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Di-n-Butyl Phthalate	25.0	2083899	1.575	80.0	6497793	1.360	100	7431264	1.347
Dibenz[ah]anthracene	25.0	1552251	1.289	80.0	5350318	1.260	100	6294516	1.288
Dibenzofuran	25.0	1563331	1.770	80.0	4764625	1.497	100	5426968	1.466
Diethylphthalate	25.0	1205433	1.365	80.0	3881373	1.219	100	4517494	1.220
Dimethylphthalate	25.0	1205487	1.365	80.0	3972839	1.248	100	4671662	1.262
Fluorene	25.0	1287106	1.457	80.0	4090425	1.285	100	4740063	1.281
Hexachlorobenzene	25.0	346169	0.2616	80.0	1155310	0.2418	100	1350449	0.2448
Hexachloroethane	25.0	244318	0.6157	80.0	814217	0.5848	100	961505	0.5959
Indeno[1,2,3-cd]pyrene	25.0	1906546	1.583	80.0	6676655	1.572	100	7891567	1.614
Isophorone	25.0	944740	0.6060	80.0	3063024	0.5528	100	3568420	0.5539
Naphthalene	25.0	1781947	1.143	80.0	5563223	1.004	100	6409372	0.9948
Nitrobenzene	25.0	560100	0.3593	80.0	1818682	0.3283	100	2130696	0.3307
Phenanthrene	25.0	1824069	1.378	80.0	5722979	1.198	100	6508299	1.180
Pyrene	25.0	1972084	1.590	80.0	6090736	1.360	100	6979928	1.351
bis(2-Chloroethoxy)methane	25.0	633817	0.4065	80.0	2039999	0.3682	100	2352938	0.3652
bis(2-Chloroethyl)ether	25.0	371349	0.9359	80.0	1176747	0.8451	100	1374238	0.8516
bis(2-Chloroisopropyl)ether	25.0	767389	1.934	80.0	2308184	1.658	100	2655318	1.646
bis(2-Ethylhexyl)phthalate	25.0	1297708	1.046	80.0	4106817	0.9168	100	4708762	0.9115

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HPMS4

00061861

Analytical Method: 8270C

Initial Calibration Date: 25-JUN-06 16:02

Column ID: F

Analyte	WG216025-08		
	CONC	RESP	RF
Di-n-Butyl Phthalate	120	8495520	1.233
Dibenz[ah]anthracene	120	7631950	1.247
Dibenzofuran	120	6167087	1.329
Diethylphthalate	120	5318845	1.146
Dimethylphthalate	120	5506070	1.186
Fluorene	120	5527661	1.191
Hexachlorobenzene	120	1605633	0.2330
Hexachloroethane	120	1154954	0.5757
Indeno[1,2,3-cd]pyrene	120	9569505	1.564
Isophorone	120	4212495	0.5241
Naphthalene	120	7338222	0.9130
Nitrobenzene	120	2501245	0.3112
Phenanthrene	120	7522862	1.092
Pyrene	120	8033272	1.242
bis(2-Chloroethoxy)methane	120	2754230	0.3427
bis(2-Chloroethyl)ether	120	1621060	0.8080
bis(2-Chloroisopropyl)ether	120	3088984	1.540
bis(2-Ethylhexyl)phthalate	120	5420652	0.8377

ALTERNATE SOURCE CALIBRATION REPORT

00061862

Login Number: L0606695 Run Date: 06/25/2006 Sample ID: WG216025-09
 Instrument ID: HPMS4 Run Time: 21:14 Method: 8270C
 File ID: 4M33482 Analyst: MDC
 ICal Workgroup: WG216025 Cal ID: HPMS4 - 25-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
2,4,6-Trichlorophenol	CCC	50	49.5	0.361	1	ug/mL	
2,4-Dichlorophenol	CCC	50	49.4	0.292	1.2	ug/mL	
2-Nitrophenol	CCC	50	49.0	0.220	2	ug/mL	
4-Chloro-3-Methylphenol	CCC	50	48.7	0.292	2.6	ug/mL	
Acenaphthene	CCC	50	53.2	1.21	6.4	ug/mL	
Benzo[a]pyrene	CCC	50	53.0	1.40	6.1	ug/mL	
Di-n-Octyl Phthalate	CCC	50	49.6	1.74	.8	ug/mL	
Fluoranthene	CCC	50	53.2	1.41	6.3	ug/mL	
Hexachlorobutadiene	CCC	50	51.2	0.168	2.3	ug/mL	
n-Nitrosodiphenylamine	CCC	50	49.6	0.636	.7	ug/mL	
Pentachlorophenol	CCC	50	47.8	0.140	4.4	ug/mL	
Phenol	CCC	50	48.9	1.62	2.3	ug/mL	
2,4-Dinitrophenol	SPCC	50	52.9	0.124	5.9	ug/mL	
4-Nitrophenol	SPCC	50	49.4	0.191	1.1	ug/mL	
Hexachlorocyclopentadiene	SPCC	50	57.5	0.157	15	ug/mL	
n-Nitrosodipropylamine	SPCC	50	51.3	0.882	2.7	ug/mL	
2,4,5-Trichlorophenol		50	48.6	0.387	2.8	ug/mL	
2,4-Dimethylphenol		50	49.1	0.312	1.8	ug/mL	
2,4-Dinitrotoluene		50	51.8	0.389	3.7	ug/mL	
2,6-Dinitrotoluene		50	49.0	0.308	1.9	ug/mL	
2-Chloronaphthalene		50	47.9	1.10	4.1	ug/mL	
2-Chlorophenol		50	48.8	1.47	2.4	ug/mL	
2-Methylnaphthalene		50	47.1	0.685	5.7	ug/mL	
2-Methylphenol		50	48.8	1.10	2.4	ug/mL	
2-Nitroaniline		50	47.8	0.308	4.3	ug/mL	
3,3'-Dichlorobenzidine		50	40.2	0.248	19.6	ug/mL	
3-,4-Methylphenol		50	49.1	1.60	1.8	ug/mL	
3-Nitroaniline		50	39.7	0.213	20.6	ug/mL	
4,6-Dinitro-2-Methylphenol		50	51.1	0.160	2.1	ug/mL	
4-Bromophenyl Phenyl Ether		50	41.4	0.206	17.2	ug/mL	
4-Chloroaniline		50	43.2	0.319	13.6	ug/mL	
4-Chlorophenyl Phenyl Ether		50	46.8	0.598	6.4	ug/mL	
4-Nitroaniline		50	46.0	0.266	8.1	ug/mL	
Acenaphthylene		50	54.4	2.00	8.8	ug/mL	
Anthracene		50	53.1	1.37	6.2	ug/mL	
Benzo[a]anthracene		50	54.3	1.43	8.6	ug/mL	
Benzo[b]fluoranthene		50	50.1	1.46	.3	ug/mL	
Benzo[ghi]perylene		50	51.7	1.34	3.4	ug/mL	
Benzo[k]fluoranthene		50	51.3	1.33	2.7	ug/mL	
bis(2-Chloroethoxy)methane		50	51.6	0.396	3.2	ug/mL	
bis(2-Chloroethyl)ether		50	49.8	0.882	.5	ug/mL	
bis(2-Chloroisopropyl)ether		50	47.8	1.71	4.3	ug/mL	

KEMRON FORMS - Modified 04/11/2006
 Version 1.5 PDF File ID: 513288
 Report generated 07/10/2006 16:01

ALTERNATE SOURCE CALIBRATION REPORT

00061863

Login Number: L0606695 Run Date: 06/25/2006 Sample ID: WG216025-09
 Instrument ID: HPMS4 Run Time: 21:14 Method: 8270C
 File ID: 4M33482 Analyst: MDC
 ICal Workgroup: WG216025 Cal ID: HPMS4 - 25-JUN-06

Analyte	Expected	Found	RF	%D	UNITS	Q
bis(2-Ethylhexyl)phthalate	50	49.9	0.966	.1	ug/mL	
Butyl Benzyl Phthalate	50	49.7	0.724	.6	ug/mL	
Carbazole	50	55.6	1.11	11.1	ug/mL	
Chrysene	50	52.9	1.39	5.9	ug/mL	
Di-n-Butyl Phthalate	50	49.3	1.43	1.4	ug/mL	
Dibenz[ah]anthracene	50	52.2	1.31	4.4	ug/mL	
Dibenzofuran	50	47.3	1.53	5.4	ug/mL	
Diethylphthalate	50	48.3	1.24	3.3	ug/mL	
Dimethylphthalate	50	46.9	1.22	6.2	ug/mL	
Fluorene	50	52.4	1.42	4.7	ug/mL	
Hexachlorobenzene	50	47.8	0.241	4.5	ug/mL	
Hexachloroethane	50	48.2	0.573	3.6	ug/mL	
Indeno[1,2,3-cd]pyrene	50	50.0	1.56	0	ug/mL	
Isophorone	50	53.4	0.613	6.8	ug/mL	
Naphthalene	50	52.7	1.12	5.4	ug/mL	
Nitrobenzene	50	48.0	0.327	3.9	ug/mL	
Phenanthrene	50	52.4	1.34	4.7	ug/mL	
Pyrene	50	53.4	1.57	6.7	ug/mL	

* Exceeds %D Limit

CCC Calibration Check Compounds
 SPCC System Performance Check Compounds

ALTERNATE SOURCE CALIBRATION REPORT

00061864

Login Number: L0606695 Run Date: 06/25/2006 Sample ID: WG216025-09
 Instrument ID: HPMS4 Run Time: 21:14 Method: 8270C
 File ID: 4M33482 Analyst: MDC
 ICal Workgroup: WG216025 Cal ID: HPMS4 - 25-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
2,4,6-Trichlorophenol	CCC	50	49.5	0.361	1	ug/mL	
2,4-Dichlorophenol	CCC	50	49.4	0.292	1.2	ug/mL	
2-Nitrophenol	CCC	50	49.0	0.220	2	ug/mL	
4-Chloro-3-Methylphenol	CCC	50	48.7	0.292	2.6	ug/mL	
Acenaphthene	CCC	50	53.2	1.21	6.4	ug/mL	
Benzo[a]pyrene	CCC	50	53.0	1.40	6.1	ug/mL	
Di-n-Octyl Phthalate	CCC	50	49.6	1.74	.8	ug/mL	
Fluoranthene	CCC	50	53.2	1.41	6.3	ug/mL	
Hexachlorobutadiene	CCC	50	51.2	0.168	2.3	ug/mL	
n-Nitrosodiphenylamine	CCC	50	49.6	0.636	.7	ug/mL	
Pentachlorophenol	CCC	50	47.8	0.140	4.4	ug/mL	
Phenol	CCC	50	48.9	1.62	2.3	ug/mL	
2,4-Dinitrophenol	SPCC	50	52.9	0.124	5.9	ug/mL	
4-Nitrophenol	SPCC	50	49.4	0.191	1.1	ug/mL	
Hexachlorocyclopentadiene	SPCC	50	57.5	0.157	15	ug/mL	
n-Nitrosodipropylamine	SPCC	50	51.3	0.882	2.7	ug/mL	
2,4,5-Trichlorophenol		50	48.6	0.387	2.8	ug/mL	
2,4-Dimethylphenol		50	49.1	0.312	1.8	ug/mL	
2,4-Dinitrotoluene		50	51.8	0.389	3.7	ug/mL	
2,6-Dinitrotoluene		50	49.0	0.308	1.9	ug/mL	
2-Chloronaphthalene		50	47.9	1.10	4.1	ug/mL	
2-Chlorophenol		50	48.8	1.47	2.4	ug/mL	
2-Methylnaphthalene		50	47.1	0.685	5.7	ug/mL	
2-Methylphenol		50	48.8	1.10	2.4	ug/mL	
2-Nitroaniline		50	47.8	0.308	4.3	ug/mL	
3,3'-Dichlorobenzidine		50	40.2	0.248	19.6	ug/mL	
3-,4-Methylphenol		50	49.1	1.60	1.8	ug/mL	
3-Nitroaniline		50	39.7	0.213	20.6	ug/mL	
4,6-Dinitro-2-Methylphenol		50	51.1	0.160	2.1	ug/mL	
4-Bromophenyl Phenyl Ether		50	41.4	0.206	17.2	ug/mL	
4-Chloroaniline		50	43.2	0.319	13.6	ug/mL	
4-Chlorophenyl Phenyl Ether		50	46.8	0.598	6.4	ug/mL	
4-Nitroaniline		50	46.0	0.266	8.1	ug/mL	
Acenaphthylene		50	54.4	2.00	8.8	ug/mL	
Anthracene		50	53.1	1.37	6.2	ug/mL	
Benzo[a]anthracene		50	54.3	1.43	8.6	ug/mL	
Benzo[b]fluoranthene		50	50.1	1.46	.3	ug/mL	
Benzo[ghi]perylene		50	51.7	1.34	3.4	ug/mL	
Benzo[k]fluoranthene		50	51.3	1.33	2.7	ug/mL	
bis(2-Chloroethoxy)methane		50	51.6	0.396	3.2	ug/mL	
bis(2-Chloroethyl)ether		50	49.8	0.882	.5	ug/mL	
bis(2-Chloroisopropyl)ether		50	47.8	1.71	4.3	ug/mL	

KEMRON FORMS - Modified 04/11/2006
 Version 1.5 PDF File ID: 513288
 Report generated 07/10/2006 16:01

ALTERNATE SOURCE CALIBRATION REPORT

00061865

Login Number: L0606695 Run Date: 06/25/2006 Sample ID: WG216025-09
 Instrument ID: HPMS4 Run Time: 21:14 Method: 8270C
 File ID: 4M33482 Analyst: MDC
 ICal Workgroup: WG216025 Cal ID: HPMS4 - 25-JUN-06

Analyte	Expected	Found	RF	%D	UNITS	Q
bis(2-Ethylhexyl)phthalate	50	49.9	0.966	.1	ug/mL	
Butyl Benzyl Phthalate	50	49.7	0.724	.6	ug/mL	
Carbazole	50	55.6	1.11	11.1	ug/mL	
Chrysene	50	52.9	1.39	5.9	ug/mL	
Di-n-Butyl Phthalate	50	49.3	1.43	1.4	ug/mL	
Dibenz[ah]anthracene	50	52.2	1.31	4.4	ug/mL	
Dibenzofuran	50	47.3	1.53	5.4	ug/mL	
Diethylphthalate	50	48.3	1.24	3.3	ug/mL	
Dimethylphthalate	50	46.9	1.22	6.2	ug/mL	
Fluorene	50	52.4	1.42	4.7	ug/mL	
Hexachlorobenzene	50	47.8	0.241	4.5	ug/mL	
Hexachloroethane	50	48.2	0.573	3.6	ug/mL	
Indeno[1,2,3-cd]pyrene	50	50.0	1.56	0	ug/mL	
Isophorone	50	53.4	0.613	6.8	ug/mL	
Naphthalene	50	52.7	1.12	5.4	ug/mL	
Nitrobenzene	50	48.0	0.327	3.9	ug/mL	
Phenanthrene	50	52.4	1.34	4.7	ug/mL	
Pyrene	50	53.4	1.57	6.7	ug/mL	

* Exceeds %D Limit

CCC Calibration Check Compounds
 SPCC System Performance Check Compounds

CONTINUING CALIBRATION VERIFICATION (CCV)

00061866

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216724-02
 Instrument ID: HPMS4 Run Time: 14:12 Method: 8270C
 File ID: 4M33548 Analyst: ALT/JWR
 Workgroup (AAB#): WG216777 Cal ID: HPMS4 - 25-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
2,4,6-Trichlorophenol	CCC	50	46.7	0.340	6.6	ug/mL	
2,4-Dichlorophenol	CCC	50	46.4	0.274	7.3	ug/mL	
2-Nitrophenol	CCC	50	49.5	0.223	1	ug/mL	
4-Chloro-3-Methylphenol	CCC	50	48.2	0.289	3.5	ug/mL	
Acenaphthene	CCC	50	48.2	1.10	3.7	ug/mL	
Benzo[a]pyrene	CCC	50	47.2	1.24	5.6	ug/mL	
Di-n-Octyl Phthalate	CCC	50	49.1	1.72	1.8	ug/mL	
Fluoranthene	CCC	50	48.3	1.28	3.5	ug/mL	
Hexachlorobutadiene	CCC	50	47.8	0.156	4.4	ug/mL	
n-Nitrosodiphenylamine	CCC	50	46.5	0.596	7	ug/mL	
Pentachlorophenol	CCC	50	46.5	0.136	7	ug/mL	
Phenol	CCC	50	46.9	1.56	6.3	ug/mL	
1,4-Dichlorobenzene	CCC	50	47.1	1.51	5.8	ug/mL	
2,4-Dinitrophenol	SPCC	50	43.6	0.0939	12.8	ug/mL	
4-Nitrophenol	SPCC	50	45.7	0.176	8.7	ug/mL	
Hexachlorocyclopentadiene	SPCC	50	40.6	0.100	18.7	ug/mL	
n-Nitrosodipropylamine	SPCC	50	49.3	0.846	1.5	ug/mL	
2,4,5-Trichlorophenol		50	45.4	0.362	9.2	ug/mL	
2,4-Dimethylphenol		50	48.0	0.305	4	ug/mL	
2,4-Dinitrotoluene		50	49.0	0.368	1.9	ug/mL	
2,6-Dinitrotoluene		50	47.5	0.298	5	ug/mL	
2-Chloronaphthalene		50	47.0	1.08	6.1	ug/mL	
2-Chlorophenol		50	46.0	1.39	7.9	ug/mL	
2-Methylnaphthalene		50	47.9	0.696	4.2	ug/mL	
2-Methylphenol		50	46.9	1.06	6.2	ug/mL	
2-Nitroaniline		50	49.5	0.319	1	ug/mL	
3,3'-Dichlorobenzidine		50	49.9	0.296	.2	ug/mL	
3-,4-Methylphenol		50	46.8	1.52	6.4	ug/mL	
3-Nitroaniline		50	39.5	0.212	21.1	ug/mL	
4,6-Dinitro-2-Methylphenol		50	42.7	0.129	14.6	ug/mL	
4-Bromophenyl Phenyl Ether		50	47.0	0.234	6	ug/mL	
4-Chloroaniline		50	38.9	0.287	22.2	ug/mL	
4-Chlorophenyl Phenyl Ether		50	47.4	0.605	5.3	ug/mL	
4-Nitroaniline		50	45.8	0.265	8.5	ug/mL	
Acenaphthylene		50	47.9	1.77	4.1	ug/mL	
Anthracene		50	47.9	1.23	4.3	ug/mL	
Benzo[a]anthracene		50	46.4	1.22	7.2	ug/mL	
Benzo[b]fluoranthene		50	46.7	1.36	6.6	ug/mL	
Benzo[ghi]perylene		50	44.1	1.14	11.8	ug/mL	
Benzo[k]fluoranthene		50	50.3	1.30	.6	ug/mL	
bis(2-Chloroethoxy)methane		50	48.2	0.370	3.6	ug/mL	
bis(2-Chloroethyl)ether		50	49.6	0.880	.7	ug/mL	

KEMRON FORMS - Modified 06/21/2006
 Version 1.3 PDF File ID: 513291
 Report generated 07/10/2006 16:01

CONTINUING CALIBRATION VERIFICATION (CCV)

00061867

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216724-02
 Instrument ID: HPMS4 Run Time: 14:12 Method: 8270C
 File ID: 4M33548 Analyst: ALT/JWR
 Workgroup (AAB#): WG216777 Cal ID: HPMS4 - 25-JUN-06

Analyte	Expected	Found	RF	%D	UNITS	Q
bis(2-Chloroisopropyl)ether	50	51.9	1.86	3.8	ug/mL	
bis(2-Ethylhexyl)phthalate	50	48.0	0.929	4	ug/mL	
Butyl Benzyl Phthalate	50	46.2	0.673	7.6	ug/mL	
Carbazole	50	50.9	1.04	1.8	ug/mL	
Chrysene	50	46.8	1.23	6.5	ug/mL	
Di-n-Butyl Phthalate	50	49.2	1.43	1.5	ug/mL	
Dibenz[ah]anthracene	50	46.1	1.15	7.8	ug/mL	
Dibenzofuran	50	48.0	1.55	3.9	ug/mL	
Diethylphthalate	50	48.4	1.24	3.1	ug/mL	
Dimethylphthalate	50	47.2	1.23	5.5	ug/mL	
Fluorene	50	48.1	1.31	3.9	ug/mL	
Hexachlorobenzene	50	47.5	0.239	5	ug/mL	
Hexachloroethane	50	48.4	0.575	3.3	ug/mL	
Indeno[1,2,3-cd]pyrene	50	45.4	1.41	9.2	ug/mL	
Isophorone	50	48.6	0.557	2.9	ug/mL	
Naphthalene	50	47.7	1.02	4.5	ug/mL	
Nitrobenzene	50	48.9	0.333	2.2	ug/mL	
Phenanthrene	50	47.6	1.22	4.9	ug/mL	
Pyrene	50	46.6	1.37	6.9	ug/mL	

* Exceeds %D Criteria

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

CONTINUING CALIBRATION VERIFICATION (CCV)

00061868

Login Number: L0606695 Run Date: 07/07/2006 Sample ID: WG216787-02
 Instrument ID: HPMS4 Run Time: 09:22 Method: 8270C
 File ID: 4M33570 Analyst: ALT/JWR
 Workgroup (AAB#): WG216941 Cal ID: HPMS4 - 25-JUN-06

Analyte		Expected	Found	RF	%D	UNITS	Q
2,4,6-Trichlorophenol	CCC	50	50.6	0.368	1.1	ug/mL	
2,4-Dichlorophenol	CCC	50	50.5	0.298	1	ug/mL	
2-Nitrophenol	CCC	50	56.2	0.253	12.3	ug/mL	
4-Chloro-3-Methylphenol	CCC	50	51.8	0.311	3.6	ug/mL	
Acenaphthene	CCC	50	51.3	1.17	2.5	ug/mL	
Benzo[a]pyrene	CCC	50	50.1	1.32	.2	ug/mL	
Di-n-Octyl Phthalate	CCC	50	54.7	1.91	9.4	ug/mL	
Fluoranthene	CCC	50	50.8	1.35	1.7	ug/mL	
Hexachlorobutadiene	CCC	50	51.5	0.169	3	ug/mL	
n-Nitrosodiphenylamine	CCC	50	49.7	0.637	.7	ug/mL	
Pentachlorophenol	CCC	50	48.9	0.143	2.2	ug/mL	
Phenol	CCC	50	50.8	1.69	1.7	ug/mL	
1,4-Dichlorobenzene	CCC	50	50.5	1.62	1	ug/mL	
2,4-Dinitrophenol	SPCC	50	50.6	0.117	1.2	ug/mL	
4-Nitrophenol	SPCC	50	43.6	0.168	12.8	ug/mL	
Hexachlorocyclopentadiene	SPCC	50	41.3	0.102	17.4	ug/mL	
n-Nitrosodipropylamine	SPCC	50	52.8	0.907	5.6	ug/mL	
2,4,5-Trichlorophenol		50	50.1	0.399	.1	ug/mL	
2,4-Dimethylphenol		50	50.7	0.322	1.3	ug/mL	
2,4-Dinitrotoluene		50	53.3	0.400	6.6	ug/mL	
2,6-Dinitrotoluene		50	50.9	0.320	1.9	ug/mL	
2-Chloronaphthalene		50	49.9	1.14	.2	ug/mL	
2-Chlorophenol		50	50.2	1.51	.4	ug/mL	
2-Methylnaphthalene		50	51.0	0.741	2	ug/mL	
2-Methylphenol		50	51.0	1.15	2	ug/mL	
2-Nitroaniline		50	52.0	0.335	3.9	ug/mL	
3,3'-Dichlorobenzidine		50	53.1	0.312	6.1	ug/mL	
3-,4-Methylphenol		50	51.0	1.66	1.9	ug/mL	
3-Nitroaniline		50	42.9	0.226	14.3	ug/mL	
4,6-Dinitro-2-Methylphenol		50	48.1	0.149	3.8	ug/mL	
4-Bromophenyl Phenyl Ether		50	49.9	0.249	.2	ug/mL	
4-Chloroaniline		50	41.0	0.303	18	ug/mL	
4-Chlorophenyl Phenyl Ether		50	50.2	0.641	.4	ug/mL	
4-Nitroaniline		50	44.9	0.260	10.1	ug/mL	
Acenaphthylene		50	50.6	1.87	1.3	ug/mL	
Anthracene		50	50.3	1.30	.7	ug/mL	
Benzo[a]anthracene		50	50.1	1.31	.1	ug/mL	
Benzo[b]fluoranthene		50	50.3	1.46	.6	ug/mL	
Benzo[ghi]perylene		50	45.7	1.18	8.6	ug/mL	
Benzo[k]fluoranthene		50	54.9	1.42	9.8	ug/mL	
bis(2-Chloroethoxy)methane		50	50.9	0.391	1.8	ug/mL	
bis(2-Chloroethyl)ether		50	52.5	0.930	5	ug/mL	

KEMRON FORMS - Modified 06/21/2006
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CONTINUING CALIBRATION VERIFICATION (CCV)

00061869

Login Number: L0606695 Run Date: 07/07/2006 Sample ID: WG216787-02
 Instrument ID: HPMS4 Run Time: 09:22 Method: 8270C
 File ID: 4M33570 Analyst: ALT/JWR
 Workgroup (AAB#): WG216941 Cal ID: HPMS4 - 25-JUN-06

Analyte	Expected	Found	RF	%D	UNITS	Q
bis(2-Chloroisopropyl)ether	50	54.5	1.95	9	ug/mL	
bis(2-Ethylhexyl)phthalate	50	51.9	1.00	3.8	ug/mL	
Butyl Benzyl Phthalate	50	50.4	0.734	.7	ug/mL	
Carbazole	50	54.2	1.09	8.4	ug/mL	
Chrysene	50	50.1	1.32	.3	ug/mL	
Di-n-Butyl Phthalate	50	51.7	1.50	3.4	ug/mL	
Dibenz[ah]anthracene	50	47.7	1.19	4.7	ug/mL	
Dibenzofuran	50	50.9	1.64	1.9	ug/mL	
Diethylphthalate	50	51.2	1.31	2.3	ug/mL	
Dimethylphthalate	50	50.3	1.31	.6	ug/mL	
Fluorene	50	50.7	1.38	1.5	ug/mL	
Hexachlorobenzene	50	50.1	0.253	.2	ug/mL	
Hexachloroethane	50	51.9	0.617	3.7	ug/mL	
Indeno[1,2,3-cd]pyrene	50	47.2	1.47	5.7	ug/mL	
Isophorone	50	51.7	0.594	3.5	ug/mL	
Naphthalene	50	50.6	1.08	1.3	ug/mL	
Nitrobenzene	50	51.1	0.348	2.2	ug/mL	
Phenanthrene	50	50.1	1.28	.1	ug/mL	
Pyrene	50	50.7	1.49	1.4	ug/mL	

* Exceeds %D Criteria

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061870

Login Number: L0606695 _____
Instrument ID: HPMS4 _____
Workgroup (AAB#): WG216777 _____

CCV Number: WG216724-02 _____
CAL ID: HPMS4 - 25-JUN-06 _____
Matrix: WATER _____

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
WG216724-02	NA	NA	552937	1296388	1909876	2229089	1793920	1965509
Upper Limit	NA	NA	1105874	2592776	3819752	4458178	3587840	3931018
Lower Limit	NA	NA	276469	648194	954938	1114545	896960	982755
L0606695-16	1.00	01	563088	1243345	1709520	2186662	1544794	1812273
WG216687-01	1.00	01	556446	1230702	1724513	2158866	1577742	1822904
WG216687-02	1.00	01	559146	1298747	1882421	2474944	1733764	1961905
WG216687-03	1.00	01	809553	1874111	2744947	3513375	2593938	2830018

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Acenaphthene-d10
IS-3 - Chrysene-d12
IS-4 - Naphthalene-d8
IS-5 - Perylene-d12
IS-6 - Phenanthrene-d10

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00061871

Login Number: L0606695 _____
Instrument ID: HPMS4 _____
Workgroup (AAB#): WG216941 _____

CCV Number: WG216787-02 _____
CAL ID: HPMS4 - 25-JUN-06 _____
Matrix: SOLID _____

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
WG216787-02	NA	NA	590772	1389651	1958324	2387634	1768879	2096819
Upper Limit	NA	NA	1181544	2779302	3916648	4775268	3537758	4193638
Lower Limit	NA	NA	295386	694826	979162	1193817	884440	1048410
L0606695-01	1.00	01	585597	1295073	1849777	2285676	1721812	1931756
L0606695-02	2.00	DL01	543927	1208781	1670790	2107446	1519485	1760462
L0606695-03	1.00	01	572617	1266021	1757781	2221429	1614674	1859728
L0606695-04	1.00	01	545940	1214085	1674265	2127983	1515135	1799802
L0606695-11	1.00	01	541542	1206591	1697892	2111487	1574123	1781275
L0606695-12	1.00	01	541202	1199938	1648688	2103929	1494009	1763771
L0606695-13	1.00	01	534653	1178348	1624503	2080402	1474202	1724865
L0606695-14	1.00	01	561778	1284895	1861475	2400921	1702499	1951266
L0606695-15	1.00	01	541856	1250113	1797766	2371659	1637835	1904061
WG216596-02	1.00	01	569919	1262650	1733456	2214661	1543585	1861277
WG216596-03	1.00	01	562694	1292762	1882529	2441391	1712381	1961237

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Acenaphthene-d10
IS-3 - Chrysene-d12
IS-4 - Naphthalene-d8
IS-5 - Perylene-d12
IS-6 - Phenanthrene-d10

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061872

Login Number: L0606695
Instrument ID: HPMS4
Workgroup (AAB#): WG216777

CCV Number: WG216724-02
CAL ID: HPMS4 - 25-JUN-06
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
WG216724-02	NA	NA	9.29	13.13	18.41	10.89	21	15.01
Upper Limit	NA	NA	9.79	13.63	18.91	11.39	21.5	15.51
Lower Limit	NA	NA	8.79	12.63	17.91	10.39	20.5	14.51
L0606695-16	1.00	01	9.28	13.13	18.41	10.89	21	15.01
WG216687-01	1.00	01	9.29	13.13	18.41	10.89	21	15.01
WG216687-02	1.00	01	9.29	13.13	18.41	10.89	21	15.01
WG216687-03	1.00	01	9.29	13.13	18.42	10.89	21	15.01

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Acenaphthene-d10
IS-3 - Chrysene-d12
IS-4 - Naphthalene-d8
IS-5 - Perylene-d12
IS-6 - Phenanthrene-d10

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00061873

Login Number: L0606695
Instrument ID: HPMS4
Workgroup (AAB#): WG216941

CCV Number: WG216787-02
CAL ID: HPMS4 - 25-JUN-06
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
WG216787-02	NA	NA	9.28	13.13	18.41	10.89	21	15.01
Upper Limit	NA	NA	9.78	13.63	18.91	11.39	21.5	15.51
Lower Limit	NA	NA	8.78	12.63	17.91	10.39	20.5	14.51
L0606695-01	1.00	01	9.28	13.13	18.41	10.89	20.99	15.01
L0606695-02	2.00	DL01	9.28	13.13	18.41	10.89	20.99	15
L0606695-03	1.00	01	9.28	13.13	18.41	10.89	20.99	15.01
L0606695-04	1.00	01	9.28	13.13	18.41	10.89	20.99	15.01
L0606695-11	1.00	01	9.28	13.13	18.41	10.89	21	15.01
L0606695-12	1.00	01	9.28	13.13	18.41	10.89	21	15.01
L0606695-13	1.00	01	9.28	13.13	18.41	10.89	20.99	15
L0606695-14	1.00	01	9.28	13.13	18.41	10.89	21	15.01
L0606695-15	1.00	01	9.28	13.13	18.41	10.89	21	15.01
WG216596-02	1.00	01	9.28	13.13	18.41	10.88	20.99	15
WG216596-03	1.00	01	9.29	13.13	18.41	10.89	21	15.01

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Acenaphthene-d10
IS-3 - Chrysene-d12
IS-4 - Naphthalene-d8
IS-5 - Perylene-d12
IS-6 - Phenanthrene-d10

Underline = Response outside limits

KEMRON Environmental Services
Data Checklist

00061874

Date: 08-JUL-2006
 Analyst: HAV
 Analyst: CAA
 Method: TX-T1005
 Instrument: HP14
 Curve Workgroup: NA
 Runlog ID: 11137
 Analytical Workgroups: L0606695, L0607001, L0607002, L0607037(P&A), L0606648

Runlog ID number:	11137
System Performance Check	NA
DFTPP	NA
Endrin/DDT Breakdown	NA
Initial Calibration	X
Average RF	X
Linear Reg or Higher Order Curve	
Second Source standard % Difference	X
Continuing Calibration /Check Standards	X
Project/Client Specific Requirements	X
Special Standards	
Blanks	X
TCL's	X
Surrogates	X
LCS (Laboratory Control Sample)	X
Recoveries	X
Surrogates	X
MS/MSD/Duplicates	X
Samples	X
TCL Hits	X
Spectra of TCL Hits	NA
Surrogates	X
Internal Standards Criteria	NA
Library Searches	NA
Calculations & Correct Factors	X
Dilutions Run	
Reruns	
Manual Integrations	NA
Case Narrative	X
Results Reporting/Data Qualifiers	X
KOBRA Workgroup Data	X
Check for Completeness	X
Primary Reviewer	HAV
Secondary Reviewer	MDC
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the reasonableness of the results	X

Primary Reviewer:
10-JUL-2006



Secondary Reviewer:
11-JUL-2006



Generated: JUL-11-2006 13:45:47

KEMRON Environmental Services

Instrument Run Log

00061875

Instrument: HP14 Dataset: 070806
 Analyst1: HAV Analyst2: CAA
 Method: T1005 SOP: GCSOP05 Rev: 4

Maintenance Log ID: _____

Column 1 ID: RTX-5Column 2 ID: NA

Workgroups: _____

Internal Standard: NA Surrogate Standard: NA

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	14G9101	pentane	1	1		07/08/06 10:30
2	14G9102	WIN DEF STD	1	1	SOS78-19	07/08/06 11:10
3	14G9103	WG216894-01 TPH @10000ppm	1	1		07/08/06 11:51
4	14G9104	WG216894-02 TPH @5000ppm	1	1		07/08/06 12:31
5	14G9105	WG216894-03 TPH @2500ppm	1	1		07/08/06 13:12
6	14G9106	WG216894-04 TPH @1000ppm	1	1		07/08/06 13:52
7	14G9107	WG216894-05 TPH @500ppm	1	1		07/08/06 14:33
8	14G9108	WG216894-06 TPH @50ppm	1	1		07/08/06 15:13
9	14G9109	WG216894-07 ALT TPH @1000ppm	1	1	STD13642	07/08/06 15:53
10	14G9110	WG216656-01 BLANK FX14 P7 SOIL	7	1	SOIL	07/08/06 16:34
11	14G9111	L0606648-01	7	1	SOIL	07/08/06 17:14
12	14G9112	L0606648-02	7	1	SOIL	07/08/06 17:54
13	14G9113	L0606648-03	7	1	SOIL	07/08/06 18:35
14	14G9114	L0606648-04	7	1	SOIL	07/08/06 19:15
15	14G9115	WG216656-03 L0606695-01	7	1	SOIL	07/08/06 19:56
16	14G9116	WG216656-04 L0606695-14 MS	7	1	SOIL	07/08/06 20:36
17	14G9117	WG216656-05 L0606695-15 MSD	7	1	SOIL	07/08/06 21:16
18	14G9118	L0606695-02	7	1	SOIL	07/08/06 21:57
19	14G9119	L0606695-03	7	1	SOIL	07/08/06 22:37
20	14G9120	L0606695-04	7	1	SOIL	07/08/06 23:18
21	14G9121	L0606695-11	7	1	SOIL	07/08/06 23:59
22	14G9122	WG216656-02 LCS FX14 P7 SOIL	7	1	SOIL	07/09/06 00:39
23	14G9123	WG216894-08 TPH CCV @1000ppm	1	1		07/09/06 01:20
24	14G9124	WG216757-01 BLANK FX14 P8 WATER	1	1		07/09/06 02:00
25	14G9125	L0606695-12	7	1	SOIL	07/09/06 02:42
26	14G9126	L0606695-13	7	1	SOIL	07/09/06 03:23
27	14G9127	L0607037-01	7	1	SOIL	07/09/06 04:04
28	14G9128	L0607037-02	7	1	SOIL	07/09/06 04:45
29	14G9129	L0607037-03	7	1	SOIL	07/09/06 05:27
30	14G9130	L0606695-16	1	1		07/09/06 06:08
31	14G9131	L0607037-04	1	1		07/09/06 06:49
32	14G9132	L0607037-05	1	1		07/09/06 07:30
33	14G9133	L0607001-01 MDL \#1	1	1		07/09/06 08:11
34	14G9134	L0607002-01 MDL \#2	1	1		07/09/06 08:52
35	14G9135	WG216757-02 LCS FX14 P8	1	1		07/09/06 09:32

Page: 1 of 2

Approved: 11-JUL-06



KEMRON Environmental Services

Instrument Run Log

00061876

Instrument: HP14 Dataset: 070806
Analyst1: HAV Analyst2: CAA
Method: T1005 SOP: GCSOP05 Rev: 4

Maintenance Log ID: _____

Column 1 ID: RTX-5 Column 2 ID: NA

Workgroups: _____

Internal Standard: NA Surrogate Standard: NA

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
36	14G9136	WG216757-03 LCS DUP FX14 P8	1	1		07/09/06 10:13
37	14G9137	WG216894-09 TPH CCV @1000ppm	1	1		07/09/06 10:54

Comments

Seq.	Rerun	Dil.	Reason	Analytes





Semivolatile Sample Extract Log Sheet

Document Control No.: FX0014 Page: 7 of 50

Parameter: T1005 Matrix: Soil
 SOP# GCSOP5 Rev. # 4
 Analyst: CAA Date/Time Extracted: 7-5-06 @ 12:00
 Spike/Surrogate analyst: CAA Witness: HV
 Surrogate #: SOS 38-42/STD 11371
 Spike # A: N21-0514 Spike # B: _____
 Ext Solvent: Pentane Lot#: UFO225
 Ext Solvent: _____ Lot#: _____
 Ext Disk: _____ Lot#: _____

Extraction Work Group: WG216656
 Analytical Work Group: WG216657
 Run I.D.: R1085886

Color Code
 T = Transparent
 C = Colored
 O = Opaque

other: methanol (HPLC grade) DI water

	Sample ID	Test Code	pH	Initial Wt / Vol	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Comments
1	Blank	T1005		10.08 g	200 µL		10.0 mL	T	DI Water > 2 mL/each to all samples
2	LCS			10.00 g		1 mL			Methanol
3	L0606648-01			10.02 g					
4	L0606648-02			10.04 g					
5	L0606648-03			10.01 g					
6	L0606648-04			10.03 g					
7	L0606695-01 REF			10.09 g					
8	L0606695-02			10.10 g					
9	L0606695-03			10.04 g					
10	L0606695-04			10.03 g					
11	L0606695-11			9.99 g					
12	L0606695-12			10.02 g					
13	L0606695-13			10.04 g					
14	L0606695-14 MS			10.04 g		1 mL			
15	L0606695-15 MS			10.10 g					
16	L0607037-01			9.99 g					
17	L0607037-02			10.05 g					
18	L0607037-03			10.06 g					
19									
20									
21									
22									
23									
24									

CAA 7/6/06

Reviewed by: HV 7/6/06



Semivolatile Sample Extract Log Sheet

Document Control No.: FX0014 Page: 8 of 50

Parameter: T1005 Matrix: Water
 SOP# GCSOP5 Rev. # 4
 Analyst: CAA Date/Time Extracted: 7-6-06 @ 14:15
 Spike/Surrogate analyst: CAA Witness: HV
 Surrogate #: SOS 38-42/STD 11371
 Spike # A: N21-142514 Spike # B: _____
 Ext Solvent: Pentane Lot#: UF0225
 Ext Solvent: _____ Lot#: _____
 Ext Disk: _____ Lot#: _____

Extraction Work Group: WG216757
 Analytical Work Group: WG216758
 Run I.D.: R1085890
 Reagent: _____ Lot # _____
 Reagent: _____ Lot # _____
 Other: NaCl Lot#: C02H3A

Color Code

T = Transparent

C = Colored

O = Opaque

	Sample ID	Test Code	pH	Initial Wt / Vol	Amount Surrogate	Amount Spike	Final Volume	Extract Color	Comments
1	Blank	T1005		30 mL	60 µL		3.0 mL	T	NaCl ~ 2-3g to all samples
2	LCS					300 µL			
3	LCS DUP					300 µL			
4	MDL L0607001-01					75 µL *			* 75 µL of 500 µg/mL N21-14
5	MDL#2 L0607002-01					75 µL *			
6	L0607037-04					300 µL			
7	L0607037-05					300 µL			
8	L0606095-16	↓	<2.0	32.85g	↓		↓	↓	(57.92-25.07)
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

CAA 7/10/06

Reviewed by: HV 7/10/06

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061879

Analytical Method: T1005
Login Number: L0606695

AAB#: WG216657

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
07SB01 (0-1)	06/29/06	06/30/06	07/05/06	14	6.11	07/08/06	14	3.33	
07SB01 (3-4)	06/29/06	06/30/06	07/05/06	14	6.09	07/08/06	14	3.41	
07SB02 (0-1)	06/29/06	06/30/06	07/05/06	14	6.07	07/08/06	14	3.44	
07SB02 (3-4)	06/29/06	06/30/06	07/05/06	14	6.05	07/08/06	14	3.47	
07SB06 (0-1)	06/29/06	06/30/06	07/05/06	14	6.02	07/08/06	14	3.50	
07SB06 (3-4)	06/29/06	06/30/06	07/05/06	14	6.01	07/09/06	14	3.61	
DUP-07SB02 (0-1)	06/29/06	06/30/06	07/05/06	14	6.07	07/09/06	14	3.64	
07SB01 (0-1)MS	06/29/06	06/30/06	07/05/06	14	6.11	07/08/06	14	3.36	
07SB01 (0-1)MSD	06/29/06	06/30/06	07/05/06	14	6.11	07/08/06	14	3.39	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061880

Analytical Method: T1005
Login Number: L0606695

AAB#: WG216758

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
EQUIPMENT RINSE-SLIDE HAMMER	06/29/06	06/30/06	07/06/06	14	7.04	07/09/06	14	2.66	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

00061881

Login Number: L0606695 _____
 Instrument Id: HP14 _____
 Workgroup (AAB#): WG216657 _____

Method: T1005 _____
 CAL ID: HP14 - 08 - JUL - 06 _____
 Matrix: SOLID _____

Sample Number	Dilution	Tag	1	2
L0606695-01	1.00	01	98.3	102
L0606695-02	1.00	01	104	108
L0606695-03	1.00	01	89.1	89.6
L0606695-04	1.00	01	100	104
L0606695-11	1.00	01	107	108
L0606695-12	1.00	01	98.5	106
L0606695-13	1.00	01	107	109
L0606695-14	1.00	01	104	109
L0606695-15	1.00	01	104	107
WG216656-01	1.00	01	94.0	102
WG216656-02	1.00	01	98.4	103

Surrogates	Surrogate Limits		
1 - Chlorobenzene	31	-	130
2 - o-Terphenyl	70	-	130

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

00061882

Login Number: L0606695
Instrument Id: HP14
Workgroup (AAB#): WG216758

Method: T1005
CAL ID: HP14 - 08 - JUL - 06
Matrix: WATER

Sample Number	Dilution	Tag	1	2
L0606695-16	1.00	01	106	116
WG216757-01	1.00	01	100	118
WG216757-02	1.00	01	93.8	106
WG216757-03	1.00	01	98.8	108

Surrogates	Surrogate Limits
1 - Chlorobenzene	31 - 130
2 - o-Terphenyl	70 - 130

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

METHOD BLANK SUMMARY

00061883

Login Number: L0606695
 Blank File ID: 14G9110
 Date Analyzed: 07/08/06
 Time Analyzed: 16:34
 Analyst: HAV

Work Group: WG216657
 Blank Sample ID: WG216656-01
 Instrument ID: HP14
 Method: T1005

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
07SB01 (0-1)	L0606695-01	14G9115	07/08/06 19:56	01
07SB01 (0-1)MS	L0606695-14	14G9116	07/08/06 20:36	01
07SB01 (0-1)MSD	L0606695-15	14G9117	07/08/06 21:16	01
07SB01 (3-4)	L0606695-02	14G9118	07/08/06 21:57	01
07SB02 (0-1)	L0606695-03	14G9119	07/08/06 22:37	01
07SB02 (3-4)	L0606695-04	14G9120	07/08/06 23:18	01
07SB06 (0-1)	L0606695-11	14G9121	07/08/06 23:59	01
LCS	WG216656-02	14G9122	07/09/06 00:39	01
07SB06 (3-4)	L0606695-12	14G9125	07/09/06 02:42	01
DUP-07SB02 (0-1)	L0606695-13	14G9126	07/09/06 03:23	01

METHOD BLANK SUMMARY

00061884

Login Number: L0606695
Blank File ID: 14G9124
Date Analyzed: 07/09/06
Time Analyzed: 02:00
Analyst: HAV

Work Group: WG216758
Blank Sample ID: WG216757-01
Instrument ID: HP14
Method: T1005

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
EQUIPMENT RINSE-SLIDE HAMMER	L0606695-16	14G9130	07/09/06 06:08	01
LCS	WG216757-02	14G9135	07/09/06 09:32	01
LCS2	WG216757-03	14G9136	07/09/06 10:13	01

METHOD BLANK REPORT

00061885

Login Number: L0606695 Run Date: 07/08/2006 Sample ID: WG216656-01
Instrument ID: HP14 Run Time: 16:34 Prep Method: METHOD
File ID: 14G9110 Analyst: HAV Method: T1005
Workgroup (AAB#): WG216657 Matrix: Solid Units: mg/kg
Contract #: DACA56-94-D-0020 Cal ID: HP14-08-JUL-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Carbon Range C6-C35	25.0	50.0	46.1	1	J

Surrogates	% Recovery	Surrogate Limits	Qualifier
Chlorobenzene	94.0	31 - 130	PASS
o-Terphenyl	102	70 - 130	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

METHOD BLANK REPORT

00061886

Login Number: L0606695 Run Date: 07/09/2006 Sample ID: WG216757-01
Instrument ID: HP14 Run Time: 02:00 Prep Method: METHOD
File ID: 14G9124 Analyst: HAV Method: T1005
Workgroup (AAB#): WG216758 Matrix: Water Units: mg/L
Contract #: DACA56-94-D-0020 Cal ID: HP14-08-JUL-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Carbon Range C6-C35	2.50	5.00	4.89	1	J

Surrogates	% Recovery	Surrogate Limits	Qualifier
Chlorobenzene	100	31 - 130	PASS
o-Terphenyl	118	70 - 130	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

LABORATORY CONTROL SAMPLE (LCS)

00061887

Login Number: L0606695 Run Date: 07/09/2006 Sample ID: WG216656-02
Instrument ID: HP14 Run Time: 00:39 Prep Method: METHOD
File ID: 14G9122 Analyst: HAV Method: T1005
Workgroup (AAB#): WG216657 Matrix: Solid Units: mg/kg
Contract #: DACA56-94-D-0020 Cal ID: HP14-08-JUL-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Carbon Range C6-C35	1000	970	97.0	75 - 125	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Chlorobenzene	98.4	31 - 130	PASS
o-Terphenyl	103	70 - 130	PASS

* FAILS %REC LIMIT

LABORATORY CONTROL SAMPLE (LCS)

00061888

Login Number: **L0606695** Analyst: **HAV** Prep Method: **METHOD**
 Instrument ID: **HP14** Matrix: **Water** Method: **T1005**
 Workgroup (AAB#): **WG216758** Units: **mg/L**
 Sample ID: **WG216757-02 LCS** File ID: **14G9135** Run Date: **07/09/2006 09:32**
 Sample ID: **WG216757-03 LCS2** File ID: **14G9136** Run Date: **07/09/2006 10:13**

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Carbon Range C6-C35	100	124	124	100	82.6	82.6	40.0	75 - 125	20	#

Surogates	LCS	LCS2	Surrogate Limits		Qualifier
	% Recovery	% Recovery			
Chlorobenzene	93.8	98.8	31	- 130	PASS
o-Terphenyl	106	108	70	- 130	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS/MSD REPORT

Loginnum: L0606695 Cal ID: HP14 - 08 - JUL - 06 Worknum: 00061889
 Instrument ID: HP14 Contract #: DACA56-94-D-0020 Prep Method: METHOD
 Parent ID: L0606695-01 File ID: 1469115 Dil: 1 Method: T1005
 Sample ID: L0606695-14 MS File ID: 1469116 Dil: 1 Matrix: Soil
 Sample ID: L0606695-15 MSD File ID: 1469117 Dil: 1 Units: mg/kg
 Percent Solid: 90.1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Carbon Range C6-C35	85.8	1110	1090	91.2	1100	999	83.1	9.10	75 - 125	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

INITIAL CALIBRATION SUMMARY

00061890

Login Number: L0606695
Analytical Method: T1005
ICAL Workgroup: WG216894

Instrument ID: HP14
Initial Calibration Date: 08-JUL-06 15:13
Column ID: F

Analyte		AVG RF	% RSD	LINEAR	QUAD
Carbon Range C6-C35		26300	23.8		

INITIAL CALIBRATION DATA

Login Number:L0606695

Instrument ID:HP14

00061891

Analytical Method:T1005

Initial Calibration Date:08-JUL-06 15:13

Column ID:F

Analyte	WG216894-01			WG216894-02			WG216894-03		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Carbon Range C6-C35	10000	196268391	19630	5000	129536575	25910	2500	78042665	31220

INITIAL CALIBRATION DATA

Login Number: L0606695

Instrument ID: HP14

00061892

Analytical Method: T1005

Initial Calibration Date: 08-JUL-06 15:13

Column ID: F

Analyte	WG216894-04			WG216894-05			WG216894-06		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Carbon Range C6-C35	1000	36143436	36140	500	11188808	22380	50.0	1124977	22500

ALTERNATE SOURCE CALIBRATION REPORT

00061893

Login Number: L0606695 Run Date: 07/08/2006 Sample ID: WG216894-07
Instrument ID: HP14 Run Time: 15:53 Method: T1005
File ID: 14G9109 Analyst: HAV
Ical Workgroup: WG216894 Cal ID: HP14 - 08-JUL-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Carbon Range C6-C35		1000	885	23300	11.5	mg/L	

* Exceeds %D Limit

CONTINUING CALIBRATION VERIFICATION (CCV)

00061894

Login Number: L0606695 Run Date: 07/09/2006 Sample ID: WG216894-08
Instrument ID: HP14 Run Time: 01:20 Method: T1005
File ID: 14G9123 Analvst: HAV
Workgroup (AAB#): WG216657 Cal ID: HP14 - 08-JUL-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Carbon Range C6-C35		1000	956	25100	4.4	mg/L	

* Exceeds %D Criteria

CONTINUING CALIBRATION VERIFICATION (CCV)

00061895

Login Number: L0606695 Run Date: 07/09/2006 Sample ID: WG216894-09
Instrument ID: HP14 Run Time: 10:54 Method: T1005
File ID: 14G9137 Analvst: HAV
Workgroup (AAB#): WG216657 Cal ID: HP14 - 08-JUL-06

Analyte		Expected	Found	RF	%D	UNITS	Q
Carbon Range C6-C35		1000	999	26300	.1	mg/L	

* Exceeds %D Criteria

Inorganic QA/QC

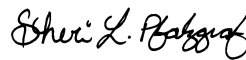
KEMRON Environmental Services Data Checklist

00061897

Date: 06-JUL-2006
 Analyst: SLP
 Analyst: NA
 Method: 6010B
 Instrument: PE-ICP2
 Curve Workgroup: 216812
 Runlog ID: 11114
 Analytical Workgroups: 216702, 216721

Calibration/Linearity	X
CV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	645, 647, 691, 695
Client Forms	X
Level X	645
Level 3	647, 695
Level 4	691
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	SLP
Secondary Reviewer	LSB
Comments	

Primary Reviewer:
07-JUL-2006



Secondary Reviewer:
07-JUL-2006



Generated: JUL-07-2006 14:58:46

KEMRON Environmental Services
Data Checklist

00061898

Date: 11-JUL-2006
 Analyst: SLP
 Analyst: NA
 Method: 6010B
 Instrument: IRIS-ICP
 Curve Workgroup: 217040
 Runlog ID: 11159
 Analytical Workgroups: 216803, 216804, 216991

Calibration/Linearity	X
CV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	677, 695, 031, 013, 708, 019
Client Forms	X
Level X	
Level 3	695, 031, 013
Level 4	
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	SLP
Secondary Reviewer	LSB
Comments	

Primary Reviewer:
11-JUL-2006



Secondary Reviewer:
11-JUL-2006



Generated: JUL-12-2006 08:52:33

KEMRON Environmental Services Data Checklist

00061899

Date: 12-JUL-2006
 Analyst: JYH
 Analyst: NA
 Method: 6010B
 Instrument: PE-ICP
 Curve Workgroup: 217159
 Runlog ID: 11180
 Analytical Workgroups: 216831,217125,217140,216803

Calibration/Linearity	X
CV/CCV	X
ICB/CCB	X
ICSA/CSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	
Case Narrative	135,031
Client Forms	X
Level X	
Level 3	135,031
Level 4	
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	JYH
Secondary Reviewer	LSB
Comments	

Primary Reviewer:
13-JUL-2006



Secondary Reviewer:
13-JUL-2006



Generated: JUL-13-2006 16:18:41

KEMRON Environmental Services

Instrument Run Log

00061900

Instrument: PE-ICP2 Dataset: 070606HR.CSV
 Analyst1: SLP Analyst2: N/A
 Method: 6010B SOP: ME600E Rev: 6
 Maintenance Log ID: 14586

Calibration Std: STD13553 ICV/CCV Std: STD13551 Post Spike: STD12687
 ICSA: STD13264 ICSAB: STD13265

Workgroups: 216702, 216721

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	P2.070606.103343	WG216812-01	Calibration Point		1		07/06/06 10:33
2	P2.070606.103956	WG216812-02	Calibration Point		1		07/06/06 10:39
3	P2.070606.104611	WG216812-03	Calibration Point		1		07/06/06 10:46
4	P2.070606.105227	WG216812-04	Calibration Point		1		07/06/06 10:52
5	P2.070606.105745	WG216812-05	Calibration Point		1		07/06/06 10:57
6	P2.070606.110314	WG216812-06	Initial Calibration Verification		1		07/06/06 11:03
7	P2.070606.110908	WG216812-07	Initial Calibration Verification		1		07/06/06 11:09
8	P2.070606.111425	WG216812-08	Initial Calib Blank		1		07/06/06 11:14
9	P2.070606.112039	WG216812-09	Interference Check		1		07/06/06 11:20
10	P2.070606.112528	WG216812-10	Interference Check		1		07/06/06 11:25
11	P2.070606.113053	WG216812-11	Interference Check		1		07/06/06 11:30
12	P2.070606.113613	WG216812-12	CCV		1		07/06/06 11:36
13	P2.070606.114132	WG216812-13	CCB		1		07/06/06 11:41
14	P2.070606.114747	WG216501-02	Method/Prep Blank	50/50	1		07/06/06 11:47
15	P2.070606.115359	WG216501-03	Laboratory Control S	50/50	1		07/06/06 11:53
16	P2.070606.115928	WG216501-01	Reference Sample		1	L0606645-01	07/06/06 11:59
17	P2.070606.120542	WG216501-04	Matrix Spike	50/50	1		07/06/06 12:05
18	P2.070606.121102	WG216501-05	Matrix Spike Duplica	50/50	1		07/06/06 12:11
19	P2.070606.121626	L0606647-01	EFF62806	50/50	1		07/06/06 12:16
20	P2.070606.122143	WG216702-02	Serial Dilution		5	L0606647-01	07/06/06 12:21
21	P2.070606.122702	WG216702-01	Post Digestion Spike		1	L0606647-01	07/06/06 12:27
22	P2.070606.123230	L0606652-36	ORG.S01.202.14	50/50	1		07/06/06 12:32
23	P2.070606.123844	L0606652-38	ORG.S02.202.14	50/50	1		07/06/06 12:38
24	P2.070606.124459	WG216812-14	CCV		1		07/06/06 12:44
25	P2.070606.125021	WG216812-15	CCB		1		07/06/06 12:50
26	P2.070606.125635	L0606664-01	EFFLUENT	50/50	1		07/06/06 12:56
27	P2.070606.130156	WG216812-16	CCV		1		07/06/06 13:01
28	P2.070606.130718	WG216812-17	CCB		1		07/06/06 13:07
29	P2.070606.131623	WG216652-02	Method/Prep Blank	50/50	1		07/06/06 13:16
30	P2.070606.132239	WG216652-03	Laboratory Control S	50/50	1		07/06/06 13:22
31	P2.070606.132809	L0606691-01	IDW-WATER-2	50/50	1		07/06/06 13:28
32	P2.070606.133423	WG216721-02	Serial Dilution		5	L0606691-01	07/06/06 13:34
33	P2.070606.134038	WG216721-01	Post Digestion Spike		1	L0606691-01	07/06/06 13:40
34	P2.070606.134609	WG216652-01	Reference Sample		1	L0606695-16	07/06/06 13:46
35	P2.070606.135321	WG216652-04	Matrix Spike	50/50	1		07/06/06 13:53
36	P2.070606.135841	WG216652-05	Matrix Spike Duplica	50/50	1		07/06/06 13:58
37	P2.070606.140412	WG216812-18	CCV		1		07/06/06 14:04

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Approved: July 07, 2006



KEMRON Environmental Services

Instrument Run Log

00061901

Instrument: PE-ICP2 Dataset: 070606HR.CSV
 Analyst1: SLP Analyst2: N/A
 Method: 6010B SOP: ME600E Rev: 6
 Maintenance Log ID: 14586

Calibration Std: STD13553 ICV/CCV Std: STD13551 Post Spike: STD12687
 ICSA: STD13264 ICSAB: STD13265

Workgroups: 216702, 216721

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
38	P2.070606.140930	WG216812-19	CCB		1		07/06/06 14:09

Comments

Seq.	Rerun	Dil.	Reason	Analytes
6			Reanalyzed due to NPDES failure.	
9			Reanalyzed due to Pb-Ax failure.	
16			Cu, Pb, Se TN; needs reanalyzed @ dil. for Cu, Pb, Se.	



KEMRON Environmental Services

Instrument Run Log

00061902

Instrument: IRIS-ICP Dataset: 20060711.1
 Analyst1: SLP Analyst2: N/A
 Method: 6010B SOP: ME600F Rev: 5
 Maintenance Log ID: 14630

Calibration Std: STD13426 ICV/CCV Std: STD13549 Post Spike: STD12687
 ICSA: STD13626 ICSAB: STD13354

Workgroups: 216803, 216804, 216991

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	IR.071106.074500	WG217040-01	Calibration Point		1		07/11/06 07:45
2	IR.071106.075100	WG217040-02	Calibration Point		1		07/11/06 07:51
3	IR.071106.075700	WG217040-03	Calibration Point		1		07/11/06 07:57
4	IR.071106.080300	WG217040-04	Calibration Point		1		07/11/06 08:03
5	IR.071106.080900	WG217040-05	Calibration Point		1		07/11/06 08:09
6	IR.071106.081500	WG217040-06	Calibration Point		1		07/11/06 08:15
7	IR.071106.082200	WG217040-07	Initial Calibration Verification		1		07/11/06 08:22
8	IR.071106.082800	WG217040-08	Initial Calib Blank		1		07/11/06 08:28
9	IR.071106.083400	WG217040-09	Interference Check		1		07/11/06 08:34
10	IR.071106.084000	WG217040-10	Interference Check		1		07/11/06 08:40
11	IR.071106.084600	WG217040-11	CCV		1		07/11/06 08:46
12	IR.071106.085200	WG217040-12	CCB		1		07/11/06 08:52
13	IR.071106.085800	WG216713-03	Method/Prep Blank	1/50	1		07/11/06 08:58
14	IR.071106.090400	WG216713-04	Laboratory Control S	1/50	1		07/11/06 09:04
15	IR.071106.091000	L0606677-01	GN060104	1.41/50	1		07/11/06 09:10
16	IR.071106.091600	L0606677-02	GN060105	1.35/50	1		07/11/06 09:16
17	IR.071106.092300	L0606677-03	GN060106	1.47/50	1		07/11/06 09:23
18	IR.071106.092900	L0606677-04	GN060107	1.38/50	1		07/11/06 09:29
19	IR.071106.093500	L0606677-07	GN060114	1.45/50	1		07/11/06 09:35
20	IR.071106.094100	L0607031-01	GTSO34		1		07/11/06 09:41
21	IR.071106.094700	WG216713-01	Reference Sample		1	L0606695-01	07/11/06 09:47
22	IR.071106.095300	L0606695-02	07SB01 (3-4)	1.35/50	1		07/11/06 09:53
23	IR.071106.095900	WG217040-13	CCV		1		07/11/06 09:59
24	IR.071106.100500	WG217040-14	CCB		1		07/11/06 10:05
25	IR.071106.101100	WG216803-02	Serial Dilution		5	L0606695-02	07/11/06 10:11
26	IR.071106.101700	WG216803-02	Serial Dilution		25	L0606695-02	07/11/06 10:17
27	IR.071106.102300	WG216803-01	Post Digestion Spike		1	L0606695-02	07/11/06 10:23
28	IR.071106.102900	L0606695-03	07SB02 (0-1)	1.35/50	1		07/11/06 10:29
29	IR.071106.103500	L0606695-04	07SB02 (3-4)	1.37/50	1		07/11/06 10:35
30	IR.071106.104100	L0606695-11	07SB06 (0-1)	1.42/50	1		07/11/06 10:41
31	IR.071106.104700	L0606695-12	07SB06 (3-4)	1.39/50	1		07/11/06 10:47
32	IR.071106.105300	L0606695-13	DUP-07SB02 (0-1)	1.35/50	1		07/11/06 10:53
33	IR.071106.105900	WG216713-05	Matrix Spike		1	L0606695-14	07/11/06 10:59
34	IR.071106.110500	WG216713-06	Matrix Spike Duplica		1	L0606695-15	07/11/06 11:05
35	IR.071106.111100	WG217040-15	CCV		1		07/11/06 11:11
36	IR.071106.111700	WG217040-16	CCB		1		07/11/06 11:17
37	IR.071106.112800	L0606677-07	GN060114	1.45/50	5		07/11/06 11:28

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Approved: July 11, 2006



KEMRON Environmental Services

Instrument Run Log

00061903

Instrument: IRIS-ICP Dataset: 20060711.1
 Analyst1: SLP Analyst2: N/A
 Method: 6010B SOP: ME600F Rev: 5
 Maintenance Log ID: 14630

Calibration Std: STD13426 ICV/CCV Std: STD13549 Post Spike: STD12687
 ICSA: STD13626 ICSAB: STD13354

Workgroups: 216803, 216804, 216991

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
38	IR.071106.113400	L0607031-01	GTSO34		2		07/11/06 11:34
39	IR.071106.114100	L0607031-01	GTSO34	1.4/50	10		07/11/06 11:41
40	IR.071106.114600	WG216713-01	Reference Sample		2	L0606695-01	07/11/06 11:46
41	IR.071106.115200	WG216713-05	Matrix Spike	1.35/50	2	L0606695-14	07/11/06 11:52
42	IR.071106.115800	WG216713-06	Matrix Spike Duplica	1.35/50	2	L0606695-15	07/11/06 11:58
43	IR.071106.120400	WG217040-17	CCV		1		07/11/06 12:04
44	IR.071106.121000	WG217040-18	CCB		1		07/11/06 12:10
45	IR.071106.121700	WG216728-02	Method/Prep Blank	1/50	1		07/11/06 12:17
46	IR.071106.122300	WG216728-03	Laboratory Control S	1/50	1		07/11/06 12:23
47	IR.071106.122900	L0606715-04	266T	1.35/50	10		07/11/06 12:29
48	IR.071106.123500	L0607013-01	09-015	1.35/50	10		07/11/06 12:35
49	IR.071106.124100	WG216804-02	Serial Dilution		50	L0607013-01	07/11/06 12:41
50	IR.071106.124700	WG216804-01	Post Digestion Spike		10	L0607013-01	07/11/06 12:47
51	IR.071106.125300	L0607013-02	09-032	1.35/50	10		07/11/06 12:53
52	IR.071106.125900	L0607013-03	09-051		10		07/11/06 12:59
53	IR.071106.130500	L0607013-04	06-274	1.44/50	10		07/11/06 13:05
54	IR.071106.131100	L0607013-05	07-017	1.35/50	10		07/11/06 13:11
55	IR.071106.131700	WG217040-19	CCV		1		07/11/06 13:17
56	IR.071106.132300	WG217040-20	CCB		1		07/11/06 13:23
57	IR.071106.132900	L0607013-06	06-277	1.36/50	10		07/11/06 13:29
58	IR.071106.133500	L0607013-07	A-033	1.36/50	10		07/11/06 13:35
59	IR.071106.134100	L0607013-08	06-262	1.37/50	10		07/11/06 13:41
60	IR.071106.134700	L0607013-09	A-006	1.36/50	10		07/11/06 13:47
61	IR.071106.135300	L0607013-10	A-006-QC	1.35/50	10		07/11/06 13:53
62	IR.071106.135900	L0607013-11	06-308	1.35/50	10		07/11/06 13:59
63	IR.071106.140500	L0607013-12	05-012	1.35/50	10		07/11/06 14:05
64	IR.071106.141000	WG216728-01	Reference Sample		10	L0607013-13	07/11/06 14:10
65	IR.071106.141600	WG216728-04	Matrix Spike	1.35/50	10	L0607013-14	07/11/06 14:16
66	IR.071106.142200	WG216728-05	Matrix Spike Duplica	1.35/50	10	L0607013-15	07/11/06 14:22
67	IR.071106.142800	WG217040-21	CCV		1		07/11/06 14:28
68	IR.071106.143400	WG217040-22	CCB		1		07/11/06 14:34
69	IR.071106.144000	L0607013-16	06-242	1.37/50	10		07/11/06 14:40
70	IR.071106.144700	WG216728-02	Method/Prep Blank		1		07/11/06 14:47
71	IR.071106.145300	WG216728-03	Laboratory Control S		1		07/11/06 14:53
72	IR.071106.145900	L0607013-03	09-051	1.38/50	1		07/11/06 14:59
73	IR.071106.150500	WG217040-23	CCV		1		07/11/06 15:05
74	IR.071106.151100	WG217040-24	CCB		1		07/11/06 15:11

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Approved: July 11, 2006



KEMRON Environmental Services

Instrument Run Log

00061904

Instrument: IRIS-ICP Dataset: 20060711.1
 Analyst1: SLP Analyst2: N/A
 Method: 6010B SOP: ME600F Rev: 5
 Maintenance Log ID: 14630

Calibration Std: STD13426 ICV/CCV Std: STD13549 Post Spike: STD12687
 ICSA: STD13626 ICSAB: STD13354

Workgroups: 216803, 216804, 216991

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
75	IR.071106.151900	WG216943-01	Method/Prep Blank	.5/50	1		07/11/06 15:19
76	IR.071106.152500	WG216943-02	Laboratory Control S	.5/50	1		07/11/06 15:25
77	IR.071106.153100	WG216943-03	Laboratory Control S	.5/50	1		07/11/06 15:31
78	IR.071106.153700	L0606708-01	GT060068	.273/50	1		07/11/06 15:37
79	IR.071106.154300	WG216991-02	Serial Dilution		5	L0606708-01	07/11/06 15:43
80	IR.071106.154900	WG216991-01	Post Digestion Spike		1	L0606708-01	07/11/06 15:49
81	IR.071106.155500	L0607019-04	GC060949	.288/50	1		07/11/06 15:55
82	IR.071106.160100	WG217040-25	CCV		1		07/11/06 16:01
83	IR.071106.160700	WG217040-26	CCB		1		07/11/06 16:07

Comments

Seq.	Rerun	Dil.	Reason	Analytes
19			Cr OLR; reanalyzed @ dil. for Cr.	
20			Sample instrument flagged for uncorrected interference; reanalyzed @ dil. for all analytes.	
33			Sample instrument flagged for uncorrected interference; reanalyzed @ dil. for all analytes.	
38			Sample instrument flagged for uncorrected interference; reanalyzed @ greater dil. for all analytes.	
46			LCS failed low for V; reanalyzed to confirm.	
52			Pb result ND; reanalyzed undiluted.	
70			Reanalyzed to verify results.	
71			Reanalyzed to verify results.	



KEMRON Environmental Services

Instrument Run Log

00061905

Instrument: PE-ICP Dataset: 071206A.CSV
 Analyst1: JYH Analyst2: N/A
 Method: 6010B SOP: ME600E Rev: 6
 Maintenance Log ID: 14585

Calibration Std: STD13426 ICV/CCV Std: STD13549 Post Spike: STD12687
 ICSA: STD13626 ICSAB: STD13354

Workgroups: 216831,217125,217140,216803

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	PE.071206.080901	WG217167-01	Calibration Point		1		07/12/06 08:09
2	PE.071206.081407	WG217167-02	Calibration Point		1		07/12/06 08:14
3	PE.071206.081914	WG217167-03	Calibration Point		1		07/12/06 08:19
4	PE.071206.082424	WG217167-04	Calibration Point		1		07/12/06 08:24
5	PE.071206.082937	WG217167-05	Initial Calibration Verification		1		07/12/06 08:29
6	PE.071206.083450	WG217167-06	Initial Calib Blank		1		07/12/06 08:34
7	PE.071206.083956	WG217167-07	Interference Check		1		07/12/06 08:39
8	PE.071206.084511	WG217167-08	Interference Check		1		07/12/06 08:45
9	PE.071206.085029	WG217167-09	CCV		1		07/12/06 08:50
10	PE.071206.085542	WG217167-10	CCB		1		07/12/06 08:55
11	PE.071206.090144	WG215786-01	Method/Prep Blank	1/50	1		07/12/06 09:01
12	PE.071206.090649	WG215786-02	Laboratory Control S	1/50	1		07/12/06 09:06
13	PE.071206.091159	WG215786-03	Laboratory Control S	1/50	1		07/12/06 09:11
14	PE.071206.091709	L0603019-01	MDL-1		1		07/12/06 09:17
15	PE.071206.092218	L0603019-02	MDL-2		1		07/12/06 09:22
16	PE.071206.092726	L0603019-03	MDL-3		1		07/12/06 09:27
17	PE.071206.093237	L0603019-04	MDL-4		1		07/12/06 09:32
18	PE.071206.093750	L0603019-05	MDL-5		1		07/12/06 09:37
19	PE.071206.094303	L0603019-06	MDL-6		1		07/12/06 09:43
20	PE.071206.094808	L0603019-07	MDL-7		1		07/12/06 09:48
21	PE.071206.095313	WG217167-11	CCV		1		07/12/06 09:53
22	PE.071206.095826	WG217167-12	CCB		1		07/12/06 09:58
23	PE.071206.102936	WG217110-02	Method/Prep Blank	1/50	1		07/12/06 10:29
24	PE.071206.103443	WG217110-03	Laboratory Control S	1/50	1		07/12/06 10:34
25	PE.071206.103953	WG217110-01	Reference Sample		5	L0607135-01	07/12/06 10:39
26	PE.071206.104506	WG217110-04	Matrix Spike	1.35/50	5		07/12/06 10:45
27	PE.071206.105020	WG217110-05	Matrix Spike Duplica	1.35/50	5		07/12/06 10:50
28	PE.071206.105534	L0607135-02	06-219	1.35/50	5		07/12/06 10:55
29	PE.071206.110048	L0607135-03	06-017	1.42/50	5		07/12/06 11:00
30	PE.071206.110604	L0607135-04	06-024	1.4/50	1		07/12/06 11:06
31	PE.071206.111120	WG217125-01	Post Digestion Spike		1	L0607135-04	07/12/06 11:11
32	PE.071206.111636	WG217125-02	Serial Dilution		5	L0607135-04	07/12/06 11:16
33	PE.071206.112150	WG217167-13	CCV		1		07/12/06 11:21
34	PE.071206.112702	WG217167-14	CCB		1		07/12/06 11:27
35	PE.071206.113207	L0607135-05	06-039	1.37/50	5		07/12/06 11:32
36	PE.071206.113725	L0607135-06	06-050	1.41/50	5		07/12/06 11:37
37	PE.071206.114244	L0607135-07	06-060	1.36/50	5		07/12/06 11:42

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KEMRON Environmental Services

Instrument Run Log

00061906

Instrument: PE-ICP Dataset: 071206A.CSV
 Analyst1: JYH Analyst2: N/A
 Method: 6010B SOP: ME600E Rev: 6
 Maintenance Log ID: 14585

Calibration Std: STD13426 ICV/CCV Std: STD13549 Post Spike: STD12687
 ICSA: STD13626 ICSAB: STD13354

Workgroups: 216831,217125,217140,216803

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
38	PE.071206.114802	L0607135-08	06-075	1.35/50	5		07/12/06 11:48
39	PE.071206.115312	L0607135-09	06-096	1.35/50	5		07/12/06 11:53
40	PE.071206.115824	L0607135-10	06-096-QC	1.37/50	5		07/12/06 11:58
41	PE.071206.120335	L0607135-11	03-094	1.36/50	5		07/12/06 12:03
42	PE.071206.120847	L0607135-12	03-053	1.37/50	5		07/12/06 12:08
43	PE.071206.121359	L0607135-13	03-045	1.41/50	5		07/12/06 12:13
44	PE.071206.121913	L0607135-14	03-021	1.39/50	5		07/12/06 12:19
45	PE.071206.122426	WG217167-15	CCV		1		07/12/06 12:24
46	PE.071206.122938	WG217167-16	CCB		1		07/12/06 12:29
47	PE.071206.123443	L0607135-15	01-017	1.36/50	5		07/12/06 12:34
48	PE.071206.123957	L0607135-16	01-017-QC	1.41/50	5		07/12/06 12:39
49	PE.071206.124511	L0607135-17	02-061	1.35/50	5		07/12/06 12:45
50	PE.071206.125026	L0607135-18	02-017	1.38/50	5		07/12/06 12:50
51	PE.071206.125541	L0607135-19	02-021	1.35/50	5		07/12/06 12:55
52	PE.071206.130056	L0607135-20	02-036	1.36/50	5		07/12/06 13:00
53	PE.071206.130613	WG217167-17	CCV		1		07/12/06 13:06
54	PE.071206.131127	WG217167-18	CCB		1		07/12/06 13:11
55	PE.071206.131738	WG217122-02	Method/Prep Blank	1/50	1		07/12/06 13:17
56	PE.071206.132253	WG217122-03	Laboratory Control S	1/50	1		07/12/06 13:22
57	PE.071206.132807	L0607135-21	08-005-6	1.37/50	1		07/12/06 13:28
58	PE.071206.133329	WG217140-01	Post Digestion Spike		1	L0607135-21	07/12/06 13:33
59	PE.071206.133843	WG217140-02	Serial Dilution		5	L0607135-21	07/12/06 13:38
60	PE.071206.134359	L0607135-22	08-005-6-QC	1.35/50	5		07/12/06 13:43
61	PE.071206.134910	L0607135-23	09-030-6	1.36/50	5		07/12/06 13:49
62	PE.071206.135422	WG217122-01	Reference Sample		5	L0607135-24	07/12/06 13:54
63	PE.071206.135935	WG217122-04	Matrix Spike	1.35/50	5	L0607135-25	07/12/06 13:59
64	PE.071206.140453	WG217122-05	Matrix Spike Duplica	1.35/50	5	L0607135-26	07/12/06 14:04
65	PE.071206.141012	WG217167-19	CCV		1		07/12/06 14:10
66	PE.071206.141526	WG217167-20	CCB		1		07/12/06 14:15
67	PE.071206.142034	L0607135-27	06-035-6	1.35/50	5		07/12/06 14:20
68	PE.071206.142549	L0607135-28	07-011-6	1.35/50	5		07/12/06 14:25
69	PE.071206.143103	L0607135-29	03-057-6	1.42/50	5		07/12/06 14:31
70	PE.071206.143617	L0607135-30	05-011-6	1.36/50	5		07/12/06 14:36
71	PE.071206.144133	L0607135-31	06-277-6		5		07/12/06 14:41
72	PE.071206.144648	L0607135-32	03-036-6	1.36/50	5		07/12/06 14:46
73	PE.071206.145209	L0607135-33	03-022-6	1.35/50	5		07/12/06 14:52
74	PE.071206.145725	WG217167-21	CCV		1		07/12/06 14:57

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KEMRON Environmental Services

Instrument Run Log

00061907

Instrument: PE-ICP Dataset: 071206A.CSV
 Analyst1: JYH Analyst2: N/A
 Method: 6010B SOP: ME600E Rev: 6
 Maintenance Log ID: 14585

Calibration Std: STD13426 ICV/CCV Std: STD13549 Post Spike: STD12687
 ICSA: STD13626 ICSAB: STD13354

Workgroups: 216831,217125,217140,216803

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
75	PE.071206.150238	WG217167-22	CCB		1		07/12/06 15:02
76	PE.071206.151037	L0607135-31	06-277-6	1.37/50	1		07/12/06 15:10
77	PE.071206.151338	WG217167-23	CCV		1		07/12/06 15:13
78	PE.071206.151852	WG217167-24	CCB		1		07/12/06 15:18
79	PE.071206.153226	WG216713-03	Method/Prep Blank	1/50	1		07/12/06 15:32
80	PE.071206.153732	WG216713-04	Laboratory Control S	1/50	1		07/12/06 15:37
81	PE.071206.154252	L0607031-01	GTSO34	1.4/50	10		07/12/06 15:42
82	PE.071206.154809	WG216803-03	Post Digestion Spike		10	L0607031-01	07/12/06 15:48
83	PE.071206.155325	WG216713-01	Reference Sample		1	L0606695-01	07/12/06 15:53
84	PE.071206.155842	WG216713-05	Matrix Spike	1.35/50	1	L0606695-14	07/12/06 15:58
85	PE.071206.160358	WG216713-06	Matrix Spike Duplica	1.35/50	1	L0606695-15	07/12/06 16:03
86	PE.071206.160918	WG217167-25	CCV		1		07/12/06 16:09
87	PE.071206.161430	WG217167-26	CCB		1		07/12/06 16:14

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Metals Digestion Log

R1084677

Analyst(s): VC
Date: 7/5/06
LCS: SM/5 STD 1267
MS/MSD: SM/5 STD 1267
Witness: RC
HNO₃ Lot #: R67 10226
1:1HNO₃: —
HCl Lot #: R67 10225
H₂O₂ Lot #: —
Earliest Sample Due Date: 7/7
Hotblock #: 4
Hotblock Temp - Start: 94.3 C 9:30
Hotblock Temp - End: 95.2 C 13:30

Box: 89
Digestion Work Group: WG 216652
General Digestion
ME401 Revision # 12 - Method 3005A-Water
ME403 Revision # — - Method 3050B-Soil
Furnace Digestion
ME402 Revision # — - Method 3020A-Water
ME403 Revision # — - Method 3050B-Soil
AS/SE Digestion
ME410 Revision # — - Method 7060/7740-Water
Relinquished By: VC
Digest Received By: JYH Date: 7/5/06

	KEMRON #	Initial WT/Vol	Final Volume	Comments	Due Date
1	PRW	50 mL	50 mL		
2	LCSW				02 03
3	06-691-01 #			AFCEE	7/7
4	695 #6				01 7/11
5	16MS				04
6	16MSD				05-
7	VC 7/5/06				
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					

Comments: *level 4

Primary Review: VC calls 7/5/06

Secondary Review: John F. Lat 7/5/06

Metals Digestion Log

Analyst(s): VC
Date: 7/6/06
LCS: 5 mls STD 12687
MS/MSD: 5 mls STD 12687
Witness: N/A
HNO₃ Lot #: R6T 10226
1:1HNO₃: R6T 10288
HCl Lot #: R6T 10225
H₂O₂ Lot #: R6T 10254
Earliest Sample Due Date: 7/11
Hotblock #: 3
Hotblock Temp - Start: 94.3 C 7:20
Hotblock Temp - End: 95.1 C 13:45

Box: 81
Digestion Work Group: WG 214713
R1085150
General Digestion
ME401 Revision # - Method 3005A-Water
ME403 Revision # 12 - Method 3050B-Soil
Furnace Digestion
ME402 Revision # - Method 3020A-Water
ME403 Revision # - Method 3050B-Soil
AS/SE Digestion
ME410 Revision # - Method 7060/7740-Water
Relinquished By: VC
Digest Received By: PAS Date: 7/6/06

	KEMRON #	Initial WT/Vol	Final Volume	Comments	Due Date
1	PBS	1.00	50 ml		03
2	LLS	1.00			04
3	06-477-01	1.41		Reactive w/ 1:1 HNO ₃	7/11
4	02	1.35			
5	03	1.47			
6	04	1.38			
7	07	1.45			
8	625 01 Reg	1.35			01 7/11
9	02	1.35			
10	03 Reg	1.35			02
11	04	1.37			
12	11	1.42			
13	12	1.39			
14	13 dup	1.35		of 03	07
15	14 MS	1.35		of 01	05
16	15 MS	1.35		of 01	06
17	07-031-01	1.40		Reactive w/ 1:1 HNO ₃	7/12
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					

Comments: _____

Primary Review: Vub 7/6/06

Secondary Review: [Signature] 7/6/06

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061910

Analytical Method: 6010B
Login Number: L0606695

AAB#: WG216803

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
07SB01 (0-1)	06/29/06	06/30/06	07/06/06	180	6.92	07/11/06	180	5.18	
07SB01 (3-4)	06/29/06	06/30/06	07/06/06	180	6.91	07/11/06	180	5.10	
07SB02 (0-1)	06/29/06	06/30/06	07/06/06	180	6.88	07/11/06	180	5.12	
07SB02 (3-4)	06/29/06	06/30/06	07/06/06	180	6.86	07/11/06	180	5.13	
07SB06 (0-1)	06/29/06	06/30/06	07/06/06	180	6.83	07/11/06	180	5.13	
07SB06 (3-4)	06/29/06	06/30/06	07/06/06	180	6.83	07/11/06	180	5.14	
DUP-07SB02 (0-1)	06/29/06	06/30/06	07/06/06	180	6.88	07/11/06	180	5.14	
07SB01 (0-1)MS	06/29/06	06/30/06	07/06/06	180	6.92	07/11/06	180	5.18	
07SB01 (0-1)MSD	06/29/06	06/30/06	07/06/06	180	6.92	07/11/06	180	5.19	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061911

Analytical Method: 6010B
Login Number: L0606695

AAB#: WG216721

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
EQUIPMENT RINSE-SLIDE HAMMER	06/29/06	06/30/06	07/05/06	180	5.84	07/06/06	180	1.18	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

METHOD BLANK SUMMARY

00061912

Login Number: L0606695
 Blank File ID: IR.071106.085800
 Date Analyzed: 07/11/06
 Time Analyzed: 08:58
 Analyst: SLP

Work Group: WG216803
 Blank Sample ID: WG216713-03
 Instrument ID: IRIS-ICP
 Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216713-04	IR.071106.090400	07/11/06 09:04	01
07SB01 (3-4)	L0606695-02	IR.071106.095300	07/11/06 09:53	01
07SB02 (0-1)	L0606695-03	IR.071106.102900	07/11/06 10:29	01
07SB02 (3-4)	L0606695-04	IR.071106.103500	07/11/06 10:35	01
07SB06 (0-1)	L0606695-11	IR.071106.104100	07/11/06 10:41	01
07SB06 (3-4)	L0606695-12	IR.071106.104700	07/11/06 10:47	01
DUP-07SB02 (0-1)	L0606695-13	IR.071106.105300	07/11/06 10:53	01
07SB01 (0-1)	L0606695-01	IR.071106.114600	07/11/06 11:46	DL01
07SB01 (0-1)MS	L0606695-14	IR.071106.115200	07/11/06 11:52	DL01
07SB01 (0-1)MSD	L0606695-15	IR.071106.115800	07/11/06 11:58	DL01

METHOD BLANK SUMMARY

00061913

Login Number: L0606695
Blank File ID: P2.070606.131623
Date Analyzed: 07/06/06
Time Analyzed: 13:16
Analyst: SLP

Work Group: WG216721
Blank Sample ID: WG216652-02
Instrument ID: PE-ICP2
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216652-03	P2.070606.132239	07/06/06 13:22	01
EQUIPMENT RINSE-SLIDE HAMMER	L0606695-16	P2.070606.134609	07/06/06 13:46	01

METHOD BLANK REPORT

00061914

Login Number: L0606695 Run Date: 07/11/2006 Sample ID: WG216713-03
Instrument ID: IRIS-ICP Run Time: 08:58 Prep Method: 3050B
File ID: IR.071106.085800 Analyst: SLP Method: 6010B
Workgroup (AAB#): WG216803 Matrix: Solid Units: mg/kg
Contract #: DACA56-94-D-0020 Cal ID: IRIS-I - 11-JUL-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Silver, Total	0.250	2.00	0.250	1	U

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

METHOD BLANK REPORT

00061915

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216652-02
Instrument ID: PE-ICP2 Run Time: 13:16 Prep Method: 3005A
File ID: P2.070606.131623 Analyst: SLP Method: 6010B
Workgroup (AAB#): WG216721 Matrix: Water Units: mg/L
Contract #: DACA56-94-D-0020 Cal ID: PE-ICP - 06-JUL-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Silver, Total	0.00500	0.0100	0.00500	1	U

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

LABORATORY CONTROL SAMPLE (LCS)

00061916

Login Number: L0606695 Run Date: 07/11/2006 Sample ID: WG216713-04
Instrument ID: IRIS-ICP Run Time: 09:04 Prep Method: 3050B
File ID: IR.071106.090400 Analyst: SLP Method: 6010B
Workgroup (AAB#): WG216803 Matrix: Solid Units: mg/kg
Contract #: DACA56-94-D-0020 Cal ID: IRIS-I - 11-JUL-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Silver, Total	10.0	9.12	91.2	80 - 120	

LABORATORY CONTROL SAMPLE (LCS)

00061917

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216652-03
Instrument ID: PE-ICP2 Run Time: 13:22 Prep Method: 3005A
File ID: P2.070606.132239 Analyst: SLP Method: 6010B
Workgroup (AAB#): WG216721 Matrix: Water Units: mg/L
Contract #: DACA56-94-D-0020 Cal ID: PE-ICP - 06-JUL-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Silver, Total	0.200	0.204	102	85 - 115	

MS/MSD REPORT

Loginnum: L0606695 Cal ID: IRIS-ICP-11-JUL-06
Instrument ID: IRIS-ICP Contract #: DACA56-94-D-0020
Parent ID: L0606695-01 File ID: IR.071106.114600 Dil: 2
Sample ID: L0606695-14 MS File ID: IR.071106.115200 Dil: 2
Sample ID: L0606695-15 MSD File ID: IR.071106.115800 Dil: 2

00061918
Worknum: NC216803

Prep Method: 3050B
Method: 6010B
Matrix: Soil
Units: mg/kg
Percent Solid: 90.1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Silver, Total	ND	8.23	7.57	92.0	8.23	7.46	90.7	1.46	75 - 125	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

DUPLICATE REPORT

00061919

Login Number: L0606695

Worknum: WG216803

Instrument ID: IRIS-ICP

Method: 6010B

Sample ID: L0606695-03 File ID: IR.071106.102900 Dil: 1

Matrix: Solid

Duplicate ID: L0606695-13 File ID: IR.071106.105300 Dil: 1

Units: mg/kg

Percent Solid: 89.0

Analyte	Sample	Duplicate	RPD	RPD Limit	Q
Silver, Total	ND	ND	0	20	

MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

00061920

Loginnum: L0606695 Cal ID: PE-ICP2- Worknum: WG216721
 Instrument ID: PE-ICP2 Contract #: DACA56-94-D-0020 Method: 6010B
 Parent ID: WG216652-01 File ID: P2.070606.134609 Dil: 1 Matrix: WATER
 Sample ID: WG216652-04 MS File ID: P2.070606.135321 Dil: 1 Units: mg/L
 Sample ID: WG216652-05 MSD File ID: P2.070606.135841 Dil: 1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Silver, Total	ND	0.200	0.201	100	0.200	0.201	100	0.141	75 - 125	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

KEMRON ENVIRONMENTAL SERVICES
SERIAL DILUTION REPORT

00061921

Sample Login ID:L0606695

Instrument ID:IRIS-ICP

Sample ID:L0606695-02 File ID:IR.071106.095300 Dil:1

Serial Dilution ID:WG216803-02 File ID:IR.071106.101100 Dil:5

Worknum:WG216803

Method:6010B

Units:mg/kg

Analyte	Sample	C	Serial Dilution	C	% Difference	Q
Silver	ND	U	0	U		

U = Result is below MDL

F = Result is between MDL and RL

X = Result is greater than RL and less than 50 times the MDL

E = %D exceeds control limit of 10% and initial

sample result is greater than or equal to 50 times the MDL

KEMRON ENVIRONMENTAL SERVICES
SERIAL DILUTION REPORT

00061922

Sample Login ID: L0606695
Instrument ID: PE-ICP2
Sample ID: L0606691-01 File ID: P2.070606.132809 Dil: 1
Serial Dilution ID: WG216721-02 File ID: P2.070606.133423 Dil: 5

Worknum: WG216721
Method: 6010B
Units: mg/L

Analyte	Sample	C	Serial Dilution	C	% Difference	Q
Silver	ND	U	ND	U		

U = Result is below MDL

F = Result is between MDL and RL

X = Result is greater than RL and less than 50 times the MDL

E = %D exceeds control limit of 10% and initial

sample result is greater than or equal to 50 times the MDL

KEMRON ENVIRONMENTAL SERVICES
POST SPIKE REPORT

00061923

Sample Login ID: L0606695

Worknum: WG216803

Instrument ID: IRIS-ICP

Method: 6010B

Post Spike ID: WG216803-01 File ID: IR.071106.102300 Dil: 1

Units: mg/kg

Sample ID: L0606695-02 File ID: IR.071106.095300 Dil: 1

Matrix: Soil

Analyte	Control Limit %R	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Q
SILVER	75 - 125	0.189		ND	U	0.200	94.5	

N = % Recovery exceeds control limits of 75% - 125%

F = Result is between MDL and RL

U = Sample result is below MDL. A value of zero is used in the calculation.

KEMRON ENVIRONMENTAL SERVICES
POST SPIKE REPORT

00061924

Sample Login ID: L0606695

Worknum: WG216721

Instrument ID: PE-ICP2

Method: 6010B

Post Spike ID: WG216721-01 File ID: P2.070606.134038 Dil: 1

Units: mg/L

Sample ID: L0606691-01 File ID: P2.070606.132809 Dil: 1

Matrix: Water

Analyte	Control Limit %R	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Q
SILVER	75 - 125	0.197		ND	U	0.200	98.5	

N = % Recovery exceeds control limits of 75% - 125%

F = Result is between MDL and RL

U = Sample result is below MDL. A value of zero is used in the calculation.

INITIAL CALIBRATION SUMMARY

Login Number: L0606695
 Analytical Method: 6010B
 ICAL Worknum: WG217040

Workgroup (AAB#): WG216803 00061925
 Instrument ID: IRIS-ICP
 Initial Calibration Date: 11-JUL-2006 08:15

Analyte	WG217040-01		WG217040-03		WG217040-04		WG217040-05		WG217040-06		R	Q
	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT		
Silver	0	-.02032	.008	.31408	.2	7.1522	.4	14.549	.8	29.167	0.999921	

INT = Instrument intensity

R = Coefficient of correlation

Q = Data Qualifier

* = Out of Compliance; R < 0.995

INITIAL CALIBRATION SUMMARY

Login Number: L0606695
 Analytical Method: 6010B
 ICAL Worknum: WG216812

Workgroup (AAB#): WG216721 **00061926**
 Instrument ID: PE-ICP2
 Initial Calibration Date: 06-JUL-2006 10:57

Analyte	WG216812-01		WG216812-02		WG216812-03		WG216812-04		WG216812-05		R	Q
	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT		
Silver	0	-709.97575	.004	661.022032	.008	1210.291054	.4	51659.95991	.8	101160.9769	0.999951	

INT = Instrument intensity

R = Coefficient of correlation

Q = Data Qualifier

* = Out of Compliance; R < 0.995

00061927

Login Number: L0606695 Run Date: 07/11/2006 Sample ID: WG217040-08
Instrument ID: IRIS-ICP Run Time: 08:28 Method: 6010B
File ID: IR.071106.082800 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216803 Cal ID: IRIS-I - 11-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	.00017	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
INITIAL CALIBRATION BLANK (ICB)

00061928

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216812-08
Instrument ID: PE-ICP2 Run Time: 11:14 Method: 6010B
File ID: P2.070606.111425 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216721 Cal ID: PE-ICP - 06-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0100	-.00144	1	U

U = Result is less than MDL
F = Result is between MDL and RL

CONTINUING CALIBRATION BLANK (CCB)

00061929

Login Number: L0606695 Run Date: 07/11/2006 Sample ID: WG217040-12
Instrument ID: IRIS-ICP Run Time: 08:52 Method: 6010B
File ID: IR.071106.085200 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216803 Cal ID: IRIS-I - 11-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	-0.000590	1	U

U = Result is less than MDL

F = Result is between MDL and RL

CONTINUING CALIBRATION BLANK (CCB)

00061930

Login Number: L0606695 Run Date: 07/11/2006 Sample ID: WG217040-14
Instrument ID: IRIS-ICP Run Time: 10:05 Method: 6010B
File ID: IR.071106.100500 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216803 Cal ID: IRIS-I - 11-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	-0.0000200	1	U

U = Result is less than MDL

F = Result is between MDL and RL

CONTINUING CALIBRATION BLANK (CCB)

00061931

Login Number: L0606695 Run Date: 07/11/2006 Sample ID: WG217040-16
Instrument ID: IRIS-ICP Run Time: 11:17 Method: 6010B
File ID: IR.071106.111700 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216803 Cal ID: IRIS-I - 11-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	-0.000220	1	U

U = Result is less than MDL

F = Result is between MDL and RL

CONTINUING CALIBRATION BLANK (CCB)

00061932

Login Number: L0606695 Run Date: 07/11/2006 Sample ID: WG217040-18
Instrument ID: IRIS-ICP Run Time: 12:10 Method: 6010B
File ID: IR.071106.121000 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216803 Cal ID: IRIS-I - 11-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	0.0000300	1	U

U = Result is less than MDL

F = Result is between MDL and RL

CONTINUING CALIBRATION BLANK (CCB)

00061933

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216812-13
Instrument ID: PE-ICP2 Run Time: 11:41 Method: 6010B
File ID: P2.070606.114132 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216721 Cal ID: PE-ICP - 06-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0100	-0.00206	1	U

U = Result is less than MDL

F = Result is between MDL and RL

CONTINUING CALIBRATION BLANK (CCB)

00061934

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216812-17
Instrument ID: PE-ICP2 Run Time: 13:07 Method: 6010B
File ID: P2.070606.130718 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216721 Cal ID: PE-ICP - 06-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0100	-0.00130	1	U

U = Result is less than MDL

F = Result is between MDL and RL

CONTINUING CALIBRATION BLANK (CCB)

00061935

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216812-19
Instrument ID: PE-ICP2 Run Time: 14:09 Method: 6010B
File ID: P2.070606.140930 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216721 Cal ID: PE-ICP - 06-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0100	-0.00131	1	U

U = Result is less than MDL

F = Result is between MDL and RL

INITIAL CALIBRATION VERIFICATION (ICV)

00061936

Login Number: L0606695 Run Date: 07/11/2006 Sample ID: WG217040-07
Instrument ID: IRIS-ICP Run Time: 08:22 Method: 6010B
File ID: IR.071106.082200 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216803 Cal ID: IRIS-I - 11-JUL-06

Analyte		Expected	Found	%REC	LIMITS	Q
Silver		.4	0.391	97.8	90 - 110	

* Exceeds LIMITS Limit

INITIAL CALIBRATION VERIFICATION (ICV)

00061937

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216812-07
Instrument ID: PE-ICP2 Run Time: 11:09 Method: 6010B
File ID: P2.070606.110908 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216721 Cal ID: PE-ICP - 06-JUL-06

Analyte		Expected	Found	%REC	LIMITS	Q
Silver		.4	0.402	101	90 - 110	

* Exceeds LIMITS Limit

CONTINUING CALIBRATION VERIFICATION (CCV)

00061938

Login Number: L0606695 Run Date: 07/11/2006 Sample ID: WG217040-11
Instrument ID: IRIS-ICP Run Time: 08:46 Method: 6010B
File ID: IR.071106.084600 Analvst: SLP
Workgroup (AAB#): WG216803 Cal ID: IRIS-I - 11-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.388	97.0	90 - 110	mg/L	

* Exceeds LIMITS Criteria

CONTINUING CALIBRATION VERIFICATION (CCV)

00061939

Login Number: L0606695 Run Date: 07/11/2006 Sample ID: WG217040-13
Instrument ID: IRIS-ICP Run Time: 09:59 Method: 6010B
File ID: IR.071106.095900 Analvst: SLP
Workgroup (AAB#): WG216803 Cal ID: IRIS-I - 11-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.385	96.2	90 - 110	mg/L	

* Exceeds LIMITS Criteria

CONTINUING CALIBRATION VERIFICATION (CCV)

00061940

Login Number: L0606695 Run Date: 07/11/2006 Sample ID: WG217040-15
Instrument ID: IRIS-ICP Run Time: 11:11 Method: 6010B
File ID: IR.071106.111100 Analvst: SLP
Workgroup (AAB#): WG216803 Cal ID: IRIS-I - 11-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.383	95.8	90 - 110	mg/L	

* Exceeds LIMITS Criteria

CONTINUING CALIBRATION VERIFICATION (CCV)

00061941

Login Number: L0606695 Run Date: 07/11/2006 Sample ID: WG217040-17
Instrument ID: IRIS-ICP Run Time: 12:04 Method: 6010B
File ID: IR.071106.120400 Analvst: SLP
Workgroup (AAB#): WG216803 Cal ID: IRIS-I - 11-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.381	95.3	90 - 110	mg/L	

* Exceeds LIMITS Criteria

CONTINUING CALIBRATION VERIFICATION (CCV)

00061942

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216812-12
Instrument ID: PE-ICP2 Run Time: 11:36 Method: 6010B
File ID: P2.070606.113613 Analvst: SLP
Workgroup (AAB#): WG216721 Cal ID: PE-ICP - 06-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.397	99.2	90 - 110	mg/L	

* Exceeds LIMITS Criteria

CONTINUING CALIBRATION VERIFICATION (CCV)

00061943

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216812-16
Instrument ID: PE-ICP2 Run Time: 13:01 Method: 6010B
File ID: P2.070606.130156 Analvst: SLP
Workgroup (AAB#): WG216721 Cal ID: PE-ICP - 06-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.409	102	90 - 110	mg/L	

* Exceeds LIMITS Criteria

CONTINUING CALIBRATION VERIFICATION (CCV)

00061944

Login Number: L0606695 Run Date: 07/06/2006 Sample ID: WG216812-18
Instrument ID: PE-ICP2 Run Time: 14:04 Method: 6010B
File ID: P2.070606.140412 Analvst: SLP
Workgroup (AAB#): WG216721 Cal ID: PE-ICP - 06-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.399	99.8	90 - 110	mg/L	

* Exceeds LIMITS Criteria

KEMRON ENVIRONMENTAL SERVICES
INTERFERENCE CHECK SAMPLES

00061945

Login number: L0606695
Instrument ID: IRIS-ICP
Sol. A : WG217040-09
Sol. AB : WG217040-10

File ID: IR.071106.083400
File ID: IR.071106.084000

Workgroup (AAB#): WG216803
Method: 6010B
Units: mg/L

ANALYTE	Sol. A			Sol. AB			Q
	True	Found	%Recovery	True	Found	%Recovery	
Silver	NS	0.00176	NS	0.500	0.483	96.6	

NS = Not spiked

* = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.

= Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).

KEMRON ENVIRONMENTAL SERVICES
INTERFERENCE CHECK SAMPLES

00061946

Login number: L0606695
Instrument ID: PE-ICP2
Sol. A : WG216812-10
Sol. AB : WG216812-11

File ID: P2.070606.112528
File ID: P2.070606.113053

Workgroup (AAB#): WG216721
Method: 6010B
Units: mg/L

ANALYTE	Sol. A			Sol. AB			Q
	True	Found	%Recovery	True	Found	%Recovery	
Silver	NS	-0.000530	NS	0.500	0.538	108	

NS = Not spiked

* = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.

= Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061947

Login Number: L0606695
 Instrument ID: IRIS-ICP

Date: 06/08/2006
 Method: 6010B

Analyte	Wave Length	AL	AS	B	BA	BE
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	-0.00000400	-0.00000300	0	0	0
ARSENIC	189.00	0.0000100	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0.00000100	0.0160	0	-0.00181	0
CALCIUM	373.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0
COBALT	228.60	0	0	0	0	0
COPPER	324.70	0	0	0	0	0
IRON	271.40	0	0	0	0	0
LEAD	220.30	0.000500	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	277.90	0	-0.0432	0	0	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0.00830
POTASSIUM	766.40	0	0	0	-0.0660	0
SELENIUM	196.00	0.000156	0	0	0	0
SILICON	251.60	0	0	-0.0157	0	0
SILVER	328.00	0.00000100	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0	0	0	0
THALLIUM	190.80	-0.0000300	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	0	0	0	0	0
VANADIUM	310.20	-0.0000260	0	0	0	0.00900
ZINC	213.80	0	0	0	0	0

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061948

Login Number: L0606695
 Instrument ID: IRIS-ICP

Date: 06/08/2006
 Method: 6010B

Analyte	Wave Length	CA	CO	CR	CU	FE
ALUMINIUM	308.20	0	-0.00524	0	0	0
ANTIMONY	206.80	0	0	0.0230	0	0.00000500
ARSENIC	189.00	0	0	0.000280	0	-0.000110
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0.00160	0	0	0
CADMIUM	228.80	0.00000200	0	0	0	0.00000300
CALCIUM	373.70	0	0	0	0	0.00400
CHROMIUM	267.70	0	0	0	0	-0.0000100
COBALT	228.60	0	0	0.0000450	0	0.0000150
COPPER	324.70	0	0	-0.000150	0	0.0000390
IRON	271.40	0.00160	0.0969	0	0	0
LEAD	220.30	0	-0.000300	-0.000220	0	0.0000170
LITHIUM	670.80	-0.0000500	0	0	0	0
MAGNESIUM	277.90	0	0	-0.00436	0	0
MANGANESE	257.60	0	0	0	0	-0.0000180
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0.000400	0	0	0.00000700
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0.00419	0	0	-0.00100
SILICON	251.60	0	0	0	0	0
SILVER	328.00	0	0	-0.0000420	0	0.00000100
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0.0000600	0	0	-0.000392
THALLIUM	190.80	0	0.00649	0.000190	0	-0.0000800
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	-0.0000300	0	0.000300	0	0
VANADIUM	310.20	0	0	-0.000646	0	-0.0000100
ZINC	213.80	0	0	0	0.000250	0.0000600

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061949

Login Number: L0606695
 Instrument ID: IRIS-ICP

Date: 06/08/2006
 Method: 6010B

Analyte	Wave Length	LI	MG	MN	MO	NI
ALUMINIUM	308.20	0	0	0.00180	0.0300	0
ANTIMONY	206.80	0	0	0	-0.00800	-0.000100
ARSENIC	189.00	0	0	0	0.00108	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	-0.0000500	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0	0	0	-0.0000250
CALCIUM	373.70	0	0	0.00160	0	0.00195
CHROMIUM	267.70	0	0	0.000510	0	0
COBALT	228.60	0	0	0	0	0
COPPER	324.70	0	0	0	0	0
IRON	271.40	0	0	-0.000500	-0.00740	0
LEAD	220.30	0	0	0	-0.00300	0.000489
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	277.90	0	0	0.00132	-0.120	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0.000260	-0.000660	0
SILICON	251.60	0	0	0	0.00800	0
SILVER	328.00	0	0	0.0000800	-0.000290	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0	0	-0.0000800	0
THALLIUM	190.80	0	0	0.00130	-0.00710	0
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	-0.00250	0	0	0	0
VANADIUM	310.20	0	-0.00000400	0	0	0
ZINC	213.80	0	0.0000180	0.000279	0	0.00635

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061950

Login Number: L0606695
 Instrument ID: IRIS-ICP

Date: 06/08/2006
 Method: 6010B

Analyte	Wave Length	SB	SN	TI	V	ZN
ALUMINUM	308.20	0	0	-0.00200	0.00930	0
ANTIMONY	206.80	0	0	0.000620	0.0000700	0
ARSENIC	189.00	-0.000420	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0.00120	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0	0	0.0000360	0
CALCIUM	373.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0.000100	0
COBALT	228.60	0	-0.00339	0.00180	0	-0.00100
COPPER	324.70	0	0	-0.000950	-0.00383	0
IRON	271.40	0	0	0	-0.0430	0
LEAD	220.30	0	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	277.90	0	0	0	0.00570	0
MANGANESE	257.60	0	0	0	-0.0000750	0
MOLYBDENUM	202.03	0	0	0	-0.000247	0.00200
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0.0140
SILICON	251.60	0	0	0.00665	0	0
SILVER	328.00	0	0	0.00268	-0.0143	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0	0	0	0.000768
THALLIUM	190.80	-0.000146	0	0.00180	0.00321	0
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	0	0	0	0	0
VANADIUM	310.20	0	0	0	0	0
ZINC	213.80	0	0	0	0	0

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061951

Login Number: L0606695
 Instrument ID: PE-ICP2

Date: 06/08/2006
 Method: 6010B

Analyte	Wave Length	AG	AL	AS	B	BA
ALUMINIUM	396.15	0	0	0.206	0	0
ANTIMONY	206.84	0	0	0	0	0
ARSENIC	188.98	0	0.190	0	0	0
BARIUM	233.53	0	0	0	0	0
BERYLLIUM	313.11	0	0	0	0	0
BORON	249.68	0	-0.570	0	0	0
CADMIUM	228.80	0	-0.000765	2.00	0	0
CALCIUM	317.93	0	0.152	0.0414	0	0
CHROMIUM	267.72	0	0	0	0	0
COBALT	228.62	0	0.00871	0	0	-1.09
COPPER	327.39	0	0	0	0	0
IRON	239.56	0	0	0	0	0
LEAD	220.35	0	-0.126	0	0	0
LITHIUM	670.78	0	0	0	0	0
MAGNESIUM	279.08	0	0	0	0	0
MANGANESE	257.61	-0.185	-0.00705	-0.231	-0.0949	-0.230
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.49	0	0	0	0	0
SELENIUM	196.03	0	0.0611	0	0	0
SILICON	251.61	0	0	0	0	0
SILVER	328.07	0	0	0	0	0
SODIUM	589.59	0	0	0	0	0
STRONTIUM	407.77	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.93	0	0	0	0	0
TITANIUM	334.94	0	0	0	0	0
VANADIUM	290.88	0.504	0.0184	0.305	0	0.918
ZINC	206.20	0	0	0	0	0

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061952

Login Number: L0606695
 Instrument ID: PE-ICP2

Date: 06/08/2006
 Method: 6010B

Analyte	Wave Length	BE	CA	CD	CO	CR
ALUMINUM	396.15	0	-0.200	0	0	0
ANTIMONY	206.84	0	0	0	0	17.1
ARSENIC	188.98	0	0.0379	9.40	0	-5.93
BARIUM	233.53	0	0	0	0	0
BERYLLIUM	313.11	0	0	0	0	-0.0105
BORON	249.68	0	0.0238	42.3	3.51	1.50
CADMIUM	228.80	0	0	0	-6.00	0
CALCIUM	317.93	0	0	0	243	-16.6
CHROMIUM	267.72	0	0	0	0	0
COBALT	228.62	0	0	0	0	0.436
COPPER	327.39	0	-0.0234	0	0.380	0.107
IRON	239.56	0	-14.2	0	1.91	0.331
LEAD	220.35	0	0	0	0	0.183
LITHIUM	670.78	0	0	0	0	0
MAGNESIUM	279.08	0	0.638	0	0	0
MANGANESE	257.61	-1.04	-0.00379	-0.755	-0.0418	0.169
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0.948	0
POTASSIUM	766.49	0	0	0	0	0
SELENIUM	196.03	0	-0.0778	0	-0.382	0
SILICON	251.61	0	0	0	0	0
SILVER	328.07	0	0	0	0	0
SODIUM	589.59	0	0	0	0	0
STRONTIUM	407.77	0	0	0	0	0
THALLIUM	190.80	0	0	0	3.39	0
TIN	189.93	0	0	0	0	0
TITANIUM	334.94	0	-0.0233	0	0	0.297
VANADIUM	290.88	0	0.0110	0	0	-1.54
ZINC	206.20	0	0.0214	0	0	-3.99

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061953

Login Number: L0606695
 Instrument ID: PE-ICP2

Date: 06/08/2006
 Method: 6010B

Analyte	Wave Length	CU	FE	K	LI	MG
ALUMINUM	396.15	0	-0.185	0	0	0
ANTIMONY	206.84	0	0	0	0	0
ARSENIC	188.98	0	-0.430	0	0	0.0133
BARIUM	233.53	0	-0.00700	0	0	0
BERYLLIUM	313.11	0	0.182	0	0	0
BORON	249.68	0	-2.39	0	0	0
CADMIUM	228.80	0	-0.00172	0	0	0
CALCIUM	317.93	0	0.737	0	0	0.700
CHROMIUM	267.72	0	-0.0500	0	0	0
COBALT	228.62	0	0	0	0	0
COPPER	327.39	0	-0.0206	0	0	0
IRON	239.56	0	0	0	0	-0.168
LEAD	220.35	0.805	0.0435	0	0	0
LITHIUM	670.78	0	0	0	0	0
MAGNESIUM	279.08	0	0.174	0	0	0
MANGANESE	257.61	-0.0457	-0.0117	-0.0181	-0.794	0.0147
MOLYBDENUM	202.03	0	0.0866	0	11.9	0
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.49	0	0.831	0	0	0
SELENIUM	196.03	0	-1.08	0	0	0
SILICON	251.61	0	0	0	0	0
SILVER	328.07	0.0720	-0.198	0	0	0.00521
SODIUM	589.59	0	0.142	0	0	0.210
STRONTIUM	407.77	0	-16.4	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.93	0	0	0	0	0
TITANIUM	334.94	0	0	0	0	-0.0284
VANADIUM	290.88	0	-0.0106	0	0	0.0631
ZINC	206.20	0.337	-0.0545	0	0	0

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061954

Login Number: L0606695
 Instrument ID: PE-ICP2

Date: 06/08/2006
 Method: 6010B

Analyte	Wave Length	MN	MO	NA	NI	PB
ALUMINUM	396.15	0	44.9	0	0	0
ANTIMONY	206.84	0	-1.68	0	-0.653	0
ARSENIC	188.98	0	-2.53	0	0	0
BARIUM	233.53	0	0.163	0	0	0
BERYLLIUM	313.11	-0.131	-0.618	0	-0.00974	0
BORON	249.68	0	-2.08	0	0	0
CADMIUM	228.80	0	0	0	-0.0881	0
CALCIUM	317.93	0	-15.0	0	-1000	0
CHROMIUM	267.72	0.247	0.143	0	0	0
COBALT	228.62	0	-1.60	0	0.129	0
COPPER	327.39	0	0.203	0	0.0857	0.235
IRON	239.56	-1.38	0	0	0	0
LEAD	220.35	0.232	-2.40	0	0	0
LITHIUM	670.78	0	0	0	0	0
MAGNESIUM	279.08	0	-5.59	0	0	0.0252
MANGANESE	257.61	0	-0.0482	-0.00916	-0.0339	-0.0413
MOLYBDENUM	202.03	-0.209	0	0	0.134	0
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.49	0	0	1.45	0	0
SELENIUM	196.03	0.416	0.199	0	0	0
SILICON	251.61	0	12.9	0	0	0
SILVER	328.07	0.130	-0.140	0	0	0
SODIUM	589.59	0	0	0	0	0
STRONTIUM	407.77	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.93	0	0	0	0	0
TITANIUM	334.94	0	0	0	0	0
VANADIUM	290.88	0	0.916	0	0	0
ZINC	206.20	0	0	0	0	0

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061955

Login Number: L0606695
 Instrument ID: PE-ICP2

Date: 06/08/2006
 Method: 6010B

Analyte	Wave Length	SB	SE	SI	SN	SR
ALUMINUM	396.15	0	0	0	0	0
ANTIMONY	206.84	0	0	0	-4.70	0
ARSENIC	188.98	0	0	0	0	0
BARIUM	233.53	0	0	0	0	0
BERYLLIUM	313.11	0	0	0	0	0
BORON	249.68	0	0	0	0	0
CADMIUM	228.80	0	0	0	0	0
CALCIUM	317.93	0	0	2.79	0	0
CHROMIUM	267.72	0	-0.242	0	0	0
COBALT	228.62	0	0	0	0	0
COPPER	327.39	0	0	0	0	0
IRON	239.56	0	0	0	0	0
LEAD	220.35	-0.117	0	0	0	0
LITHIUM	670.78	0	0	0	0	0
MAGNESIUM	279.08	0	-0.0924	0	0	0
MANGANESE	257.61	-0.0505	-0.0281	-0.185	-0.0445	-0.625
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	-0.288	-0.262	0	0	0
POTASSIUM	766.49	0	0	0	0	0
SELENIUM	196.03	0	0	0	0	0
SILICON	251.61	0	0	0	0	0
SILVER	328.07	0	0	0	0	0
SODIUM	589.59	0	0	0	0	0
STRONTIUM	407.77	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.93	0	0	0	0	0
TITANIUM	334.94	0	0	0	0	0
VANADIUM	290.88	0	0	0	0	0
ZINC	206.20	0	0	0	0	0

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00061956

Login Number: L0606695
 Instrument ID: PE-ICP2

Date: 06/08/2006
 Method: 6010B

Analyte	Wave Length	TI	TL	V	ZN
ALUMINIUM	396.15	0	0	0	0
ANTIMONY	206.84	0	0	-3.59	0
ARSENIC	188.98	0	0	0.622	0
BARIUM	233.53	0	0	-3.46	0
BERYLLIUM	313.11	0	0	0	0
BORON	249.68	0	0	0	0
CADMIUM	228.80	0	0	0.0100	0
CALCIUM	317.93	0	0	20.3	0
CHROMIUM	267.72	0	0	-0.459	-1.15
COBALT	228.62	2.07	0	0	0
COPPER	327.39	-0.693	0	-0.338	-0.316
IRON	239.56	0	0	0	0
LEAD	220.35	0	0	0	0
LITHIUM	670.78	0	0	0	0
MAGNESIUM	279.08	0	0	-0.0280	0
MANGANESE	257.61	-0.227	-0.0414	-0.0601	-0.0553
MOLYBDENUM	202.03	0	0	-0.288	0
NICKEL	231.60	0	0.286	0	0
POTASSIUM	766.49	0	0	0	0
SELENIUM	196.03	0	0	0.381	0
SILICON	251.61	0	0	0	0
SILVER	328.07	0	0	-6.14	0
SODIUM	589.59	0	0	0	0
STRONTIUM	407.77	0	0	0	0
THALLIUM	190.80	0	0	0	0
TIN	189.93	0	0	0	0
TITANIUM	334.94	0	0	0	0
VANADIUM	290.88	0	0	0	0
ZINC	206.20	0	0	0.110	0

LINEAR RANGE (QUARTERLY)

00061957

Login Number: L0606695
Instrument ID: IRIS-ICP

Date: 06/06/2006
Method: 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	10.00	800.0
Antimony	55.00	50.0
Arsenic	55.00	100.0
Barium	10.00	20.0
Beryllium	10.00	4.0
Boron	55.00	100.0
Cadmium	55.00	30.0
Calcium	10.00	500.0
Chromium	55.00	20.0
Cobalt	55.00	100.0
Copper	10.00	50.0
Iron	55.00	900.0
Lead	55.00	200.0
Lithium	10.00	10.0
Magnesium	55.00	1000.0
Manganese	55.00	20.0
Molybdenum	55.00	30.0
Nickel	55.00	100.0
Potassium	10.00	200.0
Selenium	55.00	20.0
Silicon	55.00	50.0
Silver	10.00	10.0
Sodium	10.00	150.0
Strontium	55.00	30.0
Thallium	55.00	20.0
Tin	55.00	30.0
Titanium	10.00	25.0
Vanadium	10.00	100.0
Zinc	55.00	20.0

Comments:

Login Number: L0606695
Instrument ID: PE-ICP2

Date: 06/08/2006
Method: 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	10.00	500.0
Antimony	10.00	40.0
Arsenic	10.00	10.0
Barium	10.00	10.0
Beryllium	10.00	2.0
Boron	10.00	20.0
Cadmium	10.00	3.0
Calcium	10.00	500.0
Chromium	10.00	50.0
Cobalt	10.00	50.0
Copper	10.00	50.0
Iron	10.00	400.0
Lead	10.00	50.0
Lithium	10.00	2.0
Magnesium	10.00	500.0
Manganese	10.00	30.0
Molybdenum	10.00	50.0
Nickel	10.00	50.0
Potassium	10.00	100.0
Selenium	10.00	50.0
Silicon	10.00	10.0
Silver	10.00	10.0
Sodium	10.00	200.0
Strontium	10.00	3.0
Thallium	10.00	50.0
Tin	10.00	50.0
Titanium	10.00	10.0
Vanadium	10.00	50.0
Zinc	10.00	40.0

Comments:

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061959

Analytical Method: 314.0
Login Number: L0606695

AAB#: WG216841

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
07SB01 (0-1)	06/29/06	06/30/06	07/10/06	28	11.4	07/10/06	28	11.4	
07SB01 (3-4)	06/29/06	06/30/06	07/10/06	28	11.4	07/10/06	28	11.4	
07SB02 (0-1)	06/29/06	06/30/06	07/10/06	28	11.4	07/10/06	28	11.4	
07SB02 (3-4)	06/29/06	06/30/06	07/10/06	28	11.4	07/10/06	28	11.4	
07SB05 (0-1)	06/29/06	06/30/06	07/10/06	28	11.4	07/10/06	28	11.4	
07SB05 (3-4)	06/29/06	06/30/06	07/10/06	28	11.4	07/10/06	28	11.4	
07SB06 (0-1)	06/29/06	06/30/06	07/10/06	28	11.4	07/10/06	28	11.4	
07SB06 (3-4)	06/29/06	06/30/06	07/10/06	28	11.5	07/10/06	28	11.5	
DUP-07SB02 (0-1)	06/29/06	06/30/06	07/10/06	28	11.5	07/10/06	28	11.5	
07SB01 (0-1)MS	06/29/06	06/30/06	07/10/06	28	11.4	07/10/06	28	11.4	
07SB01 (0-1)MSD	06/29/06	06/30/06	07/10/06	28	11.4	07/10/06	28	11.4	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00061960

Analytical Method: 314.0
Login Number: L0606695

AAB#: WG217333

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
EQUIPMENT RINSE-HAND AUGER	06/29/06	06/30/06	07/14/06	28	14.5	07/14/06	28	14.5	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

METHOD BLANK SUMMARY

00061961

Login Number: L0606695
 Blank File ID: I1071006.12
 Date Analyzed: 07/10/06
 Time Analyzed: 17:50
 Analyst: JWR

Work Group: WG216841
 Blank Sample ID: WG216841-01
 Instrument ID: IC1
 Method: 314.0

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216841-02	I1071006.14	07/10/06 18:31	01
07SB01 (0-1)	L0606695-01	I1071006.15	07/10/06 18:51	01
DUP	WG216841-04	I1071006.16	07/10/06 19:12	01
07SB01 (0-1)MS	L0606695-14	I1071006.17	07/10/06 19:32	01
07SB01 (0-1)MSD	L0606695-15	I1071006.18	07/10/06 19:53	01
07SB01 (3-4)	L0606695-02	I1071006.19	07/10/06 20:13	01
07SB02 (0-1)	L0606695-03	I1071006.20	07/10/06 20:33	01
07SB02 (3-4)	L0606695-04	I1071006.21	07/10/06 20:54	01
07SB05 (0-1)	L0606695-09	I1071006.22	07/10/06 21:14	01
07SB05 (3-4)	L0606695-10	I1071006.24	07/10/06 21:55	DL01
07SB06 (0-1)	L0606695-11	I1071006.25	07/10/06 22:16	01
07SB06 (3-4)	L0606695-12	I1071006.26	07/10/06 22:36	DL01
DUP-07SB02 (0-1)	L0606695-13	I1071006.27	07/10/06 22:56	01

METHOD BLANK SUMMARY

00061962

Login Number: L0606695
Blank File ID: I1071406.12
Date Analyzed: 07/14/06
Time Analyzed: 00:34
Analyst: JWR

Work Group: WG217333
Blank Sample ID: WG217333-01
Instrument ID: IC1
Method: 314.0

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG217333-02	I1071406.15	07/14/06 01:35	01
EQUIPMENT RINSE-HAND AUGER	L0606695-17	I1071406.16	07/14/06 01:55	01
DUP	WG217333-04	I1071406.21	07/14/06 03:37	01

METHOD BLANK REPORT

00061963

Login Number: L0606695 Run Date: 07/10/2006 Sample ID: WG216841-01
Instrument ID: IC1 Run Time: 17:50 Prep Method: 314.0
File ID: I1071006.12 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG216841 Matrix: Solid Units: ug/kg
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Perchlorate	5.00	10.0	5.00	1	U

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

METHOD BLANK REPORT

00061964

Login Number: L0606695 Run Date: 07/14/2006 Sample ID: WG217333-01
Instrument ID: IC1 Run Time: 00:34 Prep Method: 314.0
File ID: I1071406.12 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG217333 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Perchlorate	0.500	1.00	0.500	1	U

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

LABORATORY CONTROL SAMPLE (LCS)

00061965

Login Number: L0606695 Run Date: 07/10/2006 Sample ID: WG216841-02
Instrument ID: IC1 Run Time: 18:31 Prep Method: 314.0
File ID: I1071006.14 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG216841 Matrix: Solid Units: ug/kg
Contract #: DACA56-94-D-0020 Cal ID: IC1 -

Analytes	Expected	Found	% Rec	LCS Limits	Q
Perchlorate	250	254	102	85 - 115	

LABORATORY CONTROL SAMPLE (LCS)

00061966

Login Number: L0606695 Run Date: 07/14/2006 Sample ID: WG217333-02
Instrument ID: IC1 Run Time: 01:35 Prep Method: 314.0
File ID: I1071406.15 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG217333 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	Expected	Found	% Rec	LCS Limits	Q
Perchlorate	25.0	23.9	95.6	85 - 115	

MS/MSD REPORT

Loginnum: L0606695 Cal ID: IC1 - Worknum: 00061967
 Instrument ID: IC1 Contract #: DACA56-94-D-0020 Prep Method: 314.0
 Parent ID: L0606695-01 File ID: I1071006.15 Dil: 1 Method: 314.0
 Sample ID: L0606695-14 MS File ID: I1071006.17 Dil: 1 Matrix: Soil
 Sample ID: L0606695-15 MSD File ID: I1071006.18 Dil: 1 Units: ug/kg

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Perchlorate	106	250	295	75.7	250	331	90.4	11.6	80 - 120	25	*

* FAILS %REC LIMIT

FAILS RPD LIMIT

DUPLICATE (DUP)

00061968

Sample Ref: L0606695-01 Cal ID: IC1 - Worknum: WG216841
Instrument ID: IC1 Method: 314
Sample ID: WG216841-03 File ID: I1071006.15 Dil: 1 Matrix: SOLID
Duplicate ID: WG216841-04 File ID: I1071006.16 Dil: 1 Units: ug/kg

Analyte	Sample	Duplicate	RPD	RPD Limit	Q
Perchlorate	106	112	5.93	25	

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

Co.Name: Shaw Alliance

Prj Contact: Diane Meyer

Prj Name: Site 07

Location: Karnack, Texas

TAT: 7 Business Days

Phone No: (713) 996-4408

PO No : 161755

Sampler Print:

Allen Williams

Sampler Sign:

M. Allen

Hold

of Containers

Sample ID	Comp	Grab	Date	Time	Hold	# of Containers	8260	8270	AG	TX1005	CL04	PCT-S	COMMENTS
07SB01 (0-1)	✓	✓	6/29/06	0925		5	✓	✓	✓	✓	✓	✓	
07SB01 (3-4)	✓	✓	6/29/06	0946		5	✓	✓	✓	✓	✓	✓	
07SB02 (0-1)	✓	✓	6/29/06	1020		5	✓	✓	✓	✓	✓	✓	
07SB02 (3-4)	✓	✓	6/29/06	1050		5	✓	✓	✓	✓	✓	✓	
07SB03 (0-1)							✓	✓	✓	✓	✓	✓	
07SB03 (3-4)													
07SB04 (0-1)													
07SB04 (3-4)													
07SB05 (0-1)	✓	✓	6/29/06	12:00		1							
07SB05 (3-4)	✓	✓	6/29/06	12:20		1							
07SB06 (0-1)	✓	✓	6/29/06	11:30		5	✓	✓	✓	✓	✓	✓	
07SB06 (3-4)	✓	✓	6/29/06	11:40		5	✓	✓	✓	✓	✓	✓	
DUP 07SB02 (0-1)	✓	✓	6/29/06	10:20		5	✓	✓	✓	✓	✓	✓	
MS 07SB01 (0-1)	✓	✓	6/29/06	0925		5	✓	✓	✓	✓	✓	✓	
MSD 07SB01 (0-1)	✓	✓	6/29/06	0925		5	✓	✓	✓	✓	✓	✓	
EQUIPMENT RINSE - Side Hammer	Water		6/25/06	0925		8.5	✓	✓	✓	✓	✓	✓	
EQUIPMENT RINSE - HAND Digger	Water		6/29/06	1315		1	✓	✓	✓	✓	✓	✓	

Relinquished By:

M. Allen

Date/Time

6/29/06

1400

Received By:

Date/Time

Received By:

Date/Time

Relinquished By:

Date/Time

Received for Laboratory By:

Date/Time

Remarks:

C/C Dealed
Sub intact
Cooler Temp 4/0/06 by

KEMRON Environmental Services
Internal Chain of Custody Report

00061970

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**

L0606695-01 247984 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:49	CAA	BRG
3	STORE	SEM	A1	14-JUL-2006 09:48	BRG	HV

Samplenum **Container ID** **Products**

L0606695-01 247985 PCT-S AG 827-SPE CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	W1	EXT	05-JUL-2006 06:38	CEB	BRG
3	STORE	EXT	W1	05-JUL-2006 11:31	BRG	CEB
4	PREP	W1	DIG	05-JUL-2006 16:07	VC	BRG
5	STORE	DIG	W1	06-JUL-2006 11:18	BRG	VC
6	ANALYZ	W1	WET	06-JUL-2006 12:33	JWR	JS
7	STORE	WET	A1	07-JUL-2006 13:02	BRG	JWR

Samplenum **Container ID** **Products**

L0606695-01 247986 826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

KEMRON Environmental Services
Internal Chain of Custody Report

00061971

Login: L0606695

Account: 2773

Project: 2773.025

Samples: 16

Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**

L0606695-01 247987 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:52	JB	JS

Samplenum **Container ID** **Products**

L0606695-02 247988 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:49	CAA	BRG
3	STORE	SEM	A1	14-JUL-2006 09:48	BRG	HV

Samplenum **Container ID** **Products**

L0606695-02 247989 PCT-S AG 827-SPE CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	W1	EXT	05-JUL-2006 06:38	CEB	BRG
3	STORE	EXT	W1	05-JUL-2006 11:31	BRG	CEB
4	PREP	W1	DIG	05-JUL-2006 16:08	VC	BRG
5	STORE	DIG	W1	06-JUL-2006 11:18	BRG	VC
6	ANALYZ	W1	WET	06-JUL-2006 12:33	JWR	JS
7	STORE	WET	A1	07-JUL-2006 13:02	BRG	JWR

KEMRON Environmental Services
Internal Chain of Custody Report

00061972

Login: L0606695

Account: 2773

Project: 2773.025

Samples: 16

Due Date: 11-JUL-2006

<u>Samplenum</u>	<u>Container ID</u>	<u>Products</u>
L0606695-02	247990	826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

<u>Samplenum</u>	<u>Container ID</u>	<u>Products</u>
L0606695-02	247991	ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:52	JB	JS

<u>Samplenum</u>	<u>Container ID</u>	<u>Products</u>
L0606695-03	247992	T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:49	CAA	BRG
3	STORE	SEM	A1	14-JUL-2006 09:48	BRG	HV

KEMRON Environmental Services
Internal Chain of Custody Report

00061973

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**
L0606695-03 247993 PCT-S AG 827-SPE CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	W1	EXT	05-JUL-2006 06:38	CEB	BRG
3	STORE	EXT	W1	05-JUL-2006 11:31	BRG	CEB
4	PREP	W1	DIG	05-JUL-2006 16:07	VC	BRG
5	STORE	DIG	W1	06-JUL-2006 11:18	BRG	VC
6	ANALYZ	W1	WET	06-JUL-2006 12:33	JWR	JS
7	STORE	WET	A1	07-JUL-2006 13:02	BRG	JWR

Samplenum **Container ID** **Products**
L0606695-03 247994 826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Samplenum **Container ID** **Products**
L0606695-03 247995 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:52	JB	JS

KEMRON Environmental Services
Internal Chain of Custody Report

00061974

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**

L0606695-04 247996 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:49	CAA	BRG
3	STORE	SEM	A1	14-JUL-2006 09:48	BRG	HV

Samplenum **Container ID** **Products**

L0606695-04 247997 PCT-S AG 827-SPE CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	W1	EXT	05-JUL-2006 06:38	CEB	BRG
3	STORE	EXT	W1	05-JUL-2006 11:31	BRG	CEB
4	PREP	W1	DIG	05-JUL-2006 16:07	VC	BRG
5	STORE	DIG	W1	06-JUL-2006 11:18	BRG	VC
6	ANALYZ	W1	WET	06-JUL-2006 12:33	JWR	JS
7	STORE	WET	A1	07-JUL-2006 13:02	BRG	JWR

Samplenum **Container ID** **Products**

L0606695-04 247998 826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

KEMRON Environmental Services
Internal Chain of Custody Report

00061975

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**

L0606695-04 247999 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:54	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:52	JB	JS

Samplenum **Container ID** **Products**

L0606695-09 248000

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

Samplenum **Container ID** **Products**

L0606695-09 248001 PCT-S CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	W1	WET	05-JUL-2006 08:19	JB	JS
3	STORE	WET	W1	05-JUL-2006 09:05	JKT	JB
4	ANALYZ	W1	WET	06-JUL-2006 12:34	JWR	JS
5	STORE	WET	A1	07-JUL-2006 13:03	BRG	JWR

Samplenum **Container ID** **Products**

L0606695-09 248002

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

KEMRON Environmental Services
Internal Chain of Custody Report

00061976

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**

L0606695-09 248003

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

Samplenum **Container ID** **Products**

L0606695-10 248004

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

Samplenum **Container ID** **Products**

L0606695-10 248005 PCT-S CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	W1	WET	05-JUL-2006 08:19	JB	JS
3	STORE	WET	W1	05-JUL-2006 09:05	JKT	JB
4	ANALYZ	W1	WET	06-JUL-2006 12:34	JWR	JS
5	STORE	WET	A1	07-JUL-2006 13:03	BRG	JWR

Samplenum **Container ID** **Products**

L0606695-10 248006

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

KEMRON Environmental Services
Internal Chain of Custody Report

00061977

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**

L0606695-10 248007

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

Samplenum **Container ID** **Products**

L0606695-11 248008 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:49	CAA	BRG
3	STORE	SEM	A1	14-JUL-2006 09:48	BRG	HV

Samplenum **Container ID** **Products**

L0606695-11 248009 PCT-S AG 827-SPE CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	W1	EXT	05-JUL-2006 06:38	CEB	BRG
3	STORE	EXT	W1	05-JUL-2006 11:31	BRG	CEB
4	PREP	W1	DIG	05-JUL-2006 16:07	VC	BRG
5	STORE	DIG	W1	06-JUL-2006 11:18	BRG	VC
6	ANALYZ	W1	WET	06-JUL-2006 12:34	JWR	JS
7	STORE	WET	A1	07-JUL-2006 13:03	BRG	JWR

Login: L0606695

Account: 2773

Project: 2773.025

Samples: 16

Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**
L0606695-11 248010 826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Samplenum **Container ID** **Products**
L0606695-11 248011 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:52	JB	JS

Samplenum **Container ID** **Products**
L0606695-12 248012 PCT-S AG T1005 827-SPE CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	W1	EXT	05-JUL-2006 06:38	CEB	BRG
3	STORE	EXT	W1	05-JUL-2006 11:31	BRG	CEB
4	PREP	V1	SEM	05-JUL-2006 11:53	HV	BRG
5	STORE	SEM	A1	05-JUL-2006 13:31	BRG	HV
6	PREP	W1	DIG	05-JUL-2006 16:08	VC	BRG
7	STORE	DIG	W1	06-JUL-2006 11:18	BRG	VC
8	ANALYZ	W1	WET	06-JUL-2006 12:34	JWR	JS
9	STORE	WET	A1	07-JUL-2006 13:03	BRG	JWR

KEMRON Environmental Services
Internal Chain of Custody Report

00061979

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**
L0606695-12 248013 826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Samplenum **Container ID** **Products**
L0606695-12 248014 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:52	JB	JS

Samplenum **Container ID** **Products**
L0606695-13 248015 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:49	CAA	BRG
3	STORE	SEM	A1	14-JUL-2006 09:48	BRG	HV

KEMRON Environmental Services
Internal Chain of Custody Report

00061980

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**
L0606695-13 248016 PCT-S AG 827-SPE CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	W1	EXT	05-JUL-2006 06:38	CEB	BRG
3	STORE	EXT	W1	05-JUL-2006 11:31	BRG	CEB
4	PREP	W1	DIG	05-JUL-2006 16:07	VC	BRG
5	STORE	DIG	W1	06-JUL-2006 11:18	BRG	VC
6	ANALYZ	W1	WET	06-JUL-2006 12:34	JWR	JS
7	STORE	WET	A1	07-JUL-2006 13:03	BRG	JWR

Samplenum **Container ID** **Products**
L0606695-13 248017 826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Samplenum **Container ID** **Products**
L0606695-13 248018 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:52	JB	JS

KEMRON Environmental Services
Internal Chain of Custody Report

00061981

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**

L0606695-14 248019 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:50	CAA	BRG
3	STORE	SEM	A1	14-JUL-2006 09:47	BRG	HV

Samplenum **Container ID** **Products**

L0606695-14 248020 PCT-S AG 827-SPE CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	W1	EXT	05-JUL-2006 06:38	CEB	BRG
3	STORE	EXT	W1	05-JUL-2006 11:31	BRG	CEB
4	PREP	W1	DIG	05-JUL-2006 16:08	VC	BRG
5	STORE	DIG	W1	06-JUL-2006 11:18	BRG	VC
6	ANALYZ	W1	WET	06-JUL-2006 12:34	JWR	JS
7	STORE	WET	A1	07-JUL-2006 13:03	BRG	JWR

Samplenum **Container ID** **Products**

L0606695-14 248021 826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

KEMRON Environmental Services
Internal Chain of Custody Report

00061982

Login: L0606695

Account: 2773

Project: 2773.025

Samples: 16

Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**

L0606695-14 248022 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:52	JB	JS

Samplenum **Container ID** **Products**

L0606695-15 248023 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:49	CAA	BRG
3	STORE	SEM	A1	14-JUL-2006 09:48	BRG	HV

Samplenum **Container ID** **Products**

L0606695-15 248024 PCT-S AG 827-SPE CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	W1	EXT	05-JUL-2006 06:38	CEB	BRG
3	STORE	EXT	W1	05-JUL-2006 11:31	BRG	CEB
4	PREP	W1	DIG	05-JUL-2006 16:08	VC	BRG
5	STORE	DIG	W1	06-JUL-2006 11:17	BRG	VC
6	ANALYZ	W1	WET	06-JUL-2006 12:34	JWR	JS
7	STORE	WET	A1	07-JUL-2006 13:03	BRG	JWR

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**
L0606695-15 248025 826-SPE G-40-T2

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Samplenum **Container ID** **Products**
L0606695-15 248026 ENCORE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:53	JB	JS

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	F1	VOAY	30-JUN-2006 12:52	JB	JS

Samplenum **Container ID** **Products**
L0606695-16 248027 826-SPE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	V1	ORG4	30-JUN-2006 15:42	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	V1	ORG4	30-JUN-2006 15:42	MES	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00061984

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**
L0606695-16 248028 827-SPE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	W1	EXT	06-JUL-2006 07:15	CEB	BRG
3	DISP	EXT	DISP	07-JUL-2006 07:53	JS	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	STORE	W1	A1	06-JUL-2006 10:58	CEB	BRG

Samplenum **Container ID** **Products**
L0606695-16 248029 T1005

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:49	CAA	BRG
3	STORE	SEM	A1	14-JUL-2006 09:47	BRG	HV

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:49	CAA	BRG
3	STORE	SEM	A1	14-JUL-2006 09:47	BRG	HV

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	V1	SEM	05-JUL-2006 09:49	CAA	BRG
3	STORE	SEM	A1	14-JUL-2006 09:48	BRG	HV

Samplenum **Container ID** **Products**
L0606695-16 248030

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	

KEMRON Environmental Services
Internal Chain of Custody Report

00061985

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

Samplenum **Container ID** **Products**

L0606695-16 248031 AG

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	PREP	W1	DIG	05-JUL-2006 08:43	VC	BRG
3	STORE	DIG	A1	10-JUL-2006 06:36	BRG	REK

Samplenum **Container ID** **Products**

L0606695-17 248032 CLO4

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	W1	WET	06-JUL-2006 12:34	JWR	JS
3	STORE	WET	A1	14-JUL-2006 16:10	JS	JWR

Samplenum **Container ID** **Products**

L0606695-18 248033 826-SPE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	V1	ORG4	30-JUN-2006 15:42	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:38	BRG	
2	ANALYZ	V1	ORG4	30-JUN-2006 15:42	MES	BRG

Samplenum **Container ID** **Products**

L0606695-19 248034 826-SPE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:39	BRG	
2	ANALYZ	V1	ORG4	30-JUN-2006 15:42	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:39	BRG	
2	ANALYZ	V1	ORG4	30-JUN-2006 15:42	MES	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00061986

Login: L0606695
Account: 2773
Project: 2773.025
Samples: 16
Due Date: 11-JUL-2006

<u>Samplenum</u>	<u>Container ID</u>	<u>Products</u>
L0606695-20	248035	826-SPE

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:39	BRG	
2	ANALYZ	V1	ORG4	30-JUN-2006 15:42	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			30-JUN-2006 12:39	BRG	
2	ANALYZ	V1	ORG4	30-JUN-2006 15:42	MES	BRG

SAMPLE RECEIPT FORM

B2059 00061987

Date: 10-20-06 Client: SHAW
 Shipped By: () Fed-Ex (☒) UPS () DHL () KEMRON () Client () Other
 Opened By: Blg
 Logged By: Blg Login # L06 06695
 IR Temp Gun: ☒ D () G

156 STARLITE DRIVE
 MARIETTA, OH
 45750
 (740) 373-4071

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	1245	4	1266V72501998	25794	CLC 2617 TB2
2	1381	0	1266V725019698	1773	
3	1350	0	1266V72501991	94789	1296.50 TB01
4					
5					
6					

Were all coolers sealed? ☒ Y N N/A
 Were custody seals used on all coolers? ☒ Y N N/A
 Were custody seals intact? ☒ Y N N/A
 Was visible ice present? ☒ Y N N/A
 Were all coolers in the temperature range of 2-6C? (>6C*) Y ☒ N N/A
 Were the samples frozen?* Y ☒ N N/A
 Were COC papers provided? ☒ Y N N/A
 Were all sample containers intact?* Y ☒ N N/A
 Were all sample labels intact? ☒ Y N N/A
 Were all sample labels legible?* ☒ Y N N/A
 Did all sample labels match the COC?* Y ☒ N N/A
 Was the label information complete?* ☒ Y N N/A
 Were the correct containers used?* ☒ Y N N/A
 Were the correct preservatives added to water samples?* ☒ Y N N/A
 Was the pH tested on preserved water samples? ☒ Y N N/A
 Were pH ranges acceptable?* ☒ Y N N/A
 Was sufficient amount of sample provided?* ☒ Y N N/A
 Were bubbles present in VOA samples?* Y ☒ N N/A
 Were COC's signed and dated? ☒ Y N N/A
 Did samples arrive before hold time expired?* ☒ Y N N/A
 Are discrepancy forms attached?
 *Requires a discrepancy form

Cooler
 1245 = 1140/1050/925
 (2nd) ER @ 1315

Comments: _____

CRF #1
 Revised 8/22/03

CRF#4

Sample Discrepancy Form

Client: Shaw Project: _____

Date Received: 6/30/06

_____ Cooler temperature > than 6 degrees Celsius

Reason _____

☒ Samples received not on chain of custody
TB01 / TB02 / TB03
6/29@1320 / NO writing on label / 6/29@1440

_____ Samples on chain of custody not received

☒ Information on sample containers different from chain of custody
CLC 075B05 (D-1)@1200 = label 1220
075B05 (3-4)@1220 = label 1200

☒ Sample containers received broken, leaking or not sealed (List sample ID)
075B06 (3-4) (1) jar rec'd w/water

_____ pH out (List sample ID, which container, pH prior to adjusting, amount of acid, preservative)

_____ Insufficient sample volume

_____ Air bubbles present in VOA vials (List sample ID)

_____ Hold time expired (List sample ID)

Service Representative:

Was client notified regarding information: **YES**

NO

Name of Person contacted: _____

Company: _____

Service Representative: _____

Date: _____

Last Revised 08/22/03

156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0609007

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

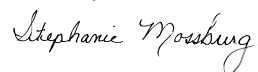
Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

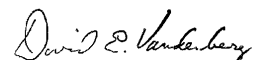
This report was reviewed on September 13, 2006.

A handwritten signature in cursive script, reading "Stephanie Mossburg".

STEPHANIE MOSSBURG - Team Chemist/Data Specialist

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on September 13, 2006.

A handwritten signature in cursive script, reading "David E. Vandenberg".

David Vandenberg - Vice President

FL DOH NELAP ID: E8755
This report contains a total of 28 pages.

Protecting Our Environmental Future

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0609007

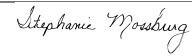
CHAIN OF CUSTODY: The chain of custody number was 10404.

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 3 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 05-SEP-06



Laboratory Data Package Cover Page

00061991

This data Package consists of:

This signature page, the laboratory review checklists, 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 5.13 or ISO/IEC 17025 Section 5.10
- 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) for each analyte, 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 amount,
- 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 %R 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) 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 laboratory review checklist.

Release statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exceptions reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, If applicable: ☐ This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

DEANNA I. HESSON



Conventional Lab Supervisor

September 12, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

RG-366/TRRP-13 December 2002

A1

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0609007
Project Name: 798-LONGHORN
Method: PCTSOLIDS
Prep Batch Number(s): WG221881
Reviewer Name: DEANNA I. HESSON
LRC Date: September 12, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?			✓		
Surrogate recovery data					
Were surrogates added prior to extraction?			✓		
Were surrogate percent recoveries in all samples within the laboratory QC limits?			✓		
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?			✓		
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 the required frequency?			✓		
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?			✓		
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?			✓		
Was the LCSD RPD within QC limits?			✓		
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?			✓		

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?			00061993		
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?	✓				
Were analytical duplicates analyzed at the appropriate frequency?	✓				
Were RPDs or relative standard deviations within the laboratory QC limits?	✓				
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 included in the laboratory data package?			✓		
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?	✓				
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?			✓		
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?			✓		
Initial and continuing calibration verification (ICV 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?			✓		
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?			✓		
Were ion abundance data within the method-required QC limits?			✓		
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?			✓		
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?			✓		
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:					
Were percent recoveries within method QC limits?			✓		
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?			✓		
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?			✓		
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?			✓		

Description	Yes	No	NA(1)	NR(2)	ER(3)
Standards documentation			00061994		
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?			✓		
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?			✓		
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name:	KEMRON
Laboratory Log Number:	L0609007
Project Name:	798-LONGHORN
Method:	PCTSOLIDS
Prep Batch Number(s):	WG221881
Reviewer Name:	DEANNA I. HESSON
LRC Date:	September 12, 2006

EXCEPTIONS REPORT

ER# - Description

Footnotes:

- (1) NA = Not applicable to method or project
- (2) NR = Not reviewed
- (3) ER# = Exception report number

Laboratory Data Package Cover Page

00061996

This data Package consists of:

This signature page, the laboratory review checklists, 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 5.13 or ISO/IEC 17025 Section 5.10
- 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) for each analyte, 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 amount,
- 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 %R 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) 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 laboratory review checklist.

Release statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exceptions reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, If applicable: ☐ This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

DEANNA I. HESSON



Conventional Lab Supervisor

September 12, 2006

Name (Printed)

Signature

Official Title (printed)

DATE

RG-366/TRRP-13 December 2002

A1

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name: KEMRON
Laboratory Log Number: L0609007
Project Name: 798-LONGHORN
Method: 314
Prep Batch Number(s): WG221715
Reviewer Name: DEANNA I. HESSON
LRC Date: September 12, 2006

Description	Yes	No	NA(1)	NR(2)	ER(3)
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?	✓				
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?	✓				
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 quantitation 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?	✓				
If required for the project, TICs reported?	✓				
Surrogate recovery data					
Were surrogates added prior to extraction?			✓		
Were surrogate percent recoveries in all samples within the laboratory QC limits?			✓		
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?	✓				
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 the required frequency?	✓				
Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	✓				
Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
Was the LCSD RPD within QC limits?	✓				
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?	✓				

Description	Yes	No	NA(1)	NR(2)	ER(3)
Were MS/MSD RPDs within laboratory QC limits?	✓		00061998		
Analytical duplicate data					
Were appropriate analytical duplicates analyzed for each matrix?	✓				
Were analytical duplicates analyzed at the appropriate frequency?	✓				
Were RPDs or relative standard deviations within the laboratory QC limits?	✓				
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 included in the laboratory data package?	✓				
Other problems/anomalies					
Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				
Were all necessary corrective actions performed for the reported data?	✓				
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				
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?	✓				
Initial and continuing calibration verification (ICV 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?	✓				
Mass spectral tuning:					
Was the appropriate compound for the method used for tuning?			✓		
Were ion abundance data within the method-required QC limits?			✓		
Internal standards (IS):					
Were IS area counts and retention times within the method-required QC limits?			✓		
Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section 4.12.2)					
Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
Were data associated with manual integrations flagged on the raw data?	✓				
Dual column confirmation					
Did dual column confirmation results meet the method-required QC?			✓		
Tentatively identified compounds (TICs):					
If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
Interference Check Sample (ICS) results:			✓		
Were percent recoveries within method QC limits?			✓		
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?			✓		
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?	✓				
Proficiency test reports:					
Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				

Description	Yes	No	NA(1)	NR(2)	ER(3)
Standards documentation			00061999		
Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
Compound/analyte identification procedures					
Are the procedures for compound/analyte identification documented?	✓				
Demonstration of analyst competency (DOC)					
Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	✓				
Is documentation of the analyst's competency up-to-date and on file?	✓				
Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
Laboratory standard operating procedures (SOPs):					
Are laboratory SOPs current and on file for each method performed?	✓				

KEMRON Environmental Services
Laboratory Review Checklist

Laboratory Name:	KEMRON
Laboratory Log Number:	L0609007
Project Name:	798-LONGHORN
Method:	314
Prep Batch Number(s):	WG221715
Reviewer Name:	DEANNA I. HESSON
LRC Date:	September 12, 2006

EXCEPTIONS REPORT

ER# - Description

Footnotes:

- (1) NA = Not applicable to method or project
- (2) NR = Not reviewed
- (3) ER# = Exception report number

LABORATORY REPORT

L0609007

00062001

09/13/06 08:31

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Meyer

Account Number: 2773

Work ID: LHAAP/SITE 51/KARNACK, TX

P.O. Number: 200328

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
51SB01-01	L0609007-01	30-AUG-06	01-SEP-06
51SB01-02	L0609007-02	30-AUG-06	01-SEP-06

Report Number: **L0609007**Report Date : **September 13, 2006**

00062002

Sample Number: L0609007-01	PrePrep Method: NONE	Instrument: IC1
Client ID: 51SB01-01	Prep Method: 314.0	Prep Date: 09/06/2006 17:40
Matrix: Soil	Analytical Method: 314.0	Cal Date: _____
Workgroup Number: WG221715	Analyst: JWR	Run Date: 09/06/2006 17:40
Collect Date: 08/30/2006 14:45	Dilution: 1	File ID: I1090606.14
Sample Tag: 01	Units: ug/kg	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0		U	10.0	5.01

U Not detected at or above adjusted sample detection limit

Sample Number: L0609007-01	PrePrep Method: NONE	Instrument: OVEN
Client ID: 51SB01-01	Prep Method: D2216-90	Prep Date: 09/09/2006 12:00
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG221881	Analyst: TMM	Run Date: 09/09/2006 12:00
Collect Date: 08/30/2006 14:45	Dilution: 1	File ID: OV.0609091200-15
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	84.9		1.00	1.00

Sample Number: L0609007-02	PrePrep Method: NONE	Instrument: IC1
Client ID: 51SB01-02	Prep Method: 314.0	Prep Date: 09/06/2006 18:00
Matrix: Soil	Analytical Method: 314.0	Cal Date: _____
Workgroup Number: WG221715	Analyst: JWR	Run Date: 09/06/2006 18:00
Collect Date: 08/30/2006 14:50	Dilution: 1	File ID: I1090606.15
Sample Tag: 01	Units: ug/kg	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Perchlorate	14797-73-0		U	10.0	5.00

U Not detected at or above adjusted sample detection limit

Sample Number: L0609007-02	PrePrep Method: NONE	Instrument: OVEN
Client ID: 51SB01-02	Prep Method: D2216-90	Prep Date: 09/09/2006 12:00
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG221881	Analyst: TMM	Run Date: 09/09/2006 12:00
Collect Date: 08/30/2006 14:50	Dilution: 1	File ID: OV.0609091200-16
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	85.6		1.00	1.00

WORKGROUP SUMMARY BY METHOD

WORKGROUP SUMMARY BY METHOD

00062004

Analysis:Perchlorate

Analytical Method:314.0

Workgroup:WG221715

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0609007-01	51SB01-01			09/06/06 17:40	01	IC1	JWR
L0609007-02	51SB01-02			09/06/06 18:00	01	IC1	JWR

Analysis:Perchlorate

Extraction Method:314.0

Workgroup:WG221715

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0609007-01	51SB01-01		09/06/06 16:18			FILTER	JWR
L0609007-02	51SB01-02		09/06/06 16:18			FILTER	JWR

Analysis:Percent Solids

Analytical Method:D2216-90

Workgroup:WG221881

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0609007-01	51SB01-01			09/09/06 12:00		OVEN	TMM
L0609007-02	51SB01-02			09/09/06 12:00		OVEN	TMM

Kemron Environmental Services
Analyst Listing
September 13, 2006

00062005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
ARA - ADRIAN R. ACHTERMANN	BRG - BRENDA R. GREGORY	CAA - CASSIE A. AUGENSTEIN
CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH	CEB - CHAD E. BARNES
CFB - CHAD F. BOOK	CLC - CHRYS L. CRAWFORD	CLS - CARA L. STRICKLER
CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN	CMS - CRYSTAL M. STEPHENS
CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN	CSA - LUCINDA S. ARNOLD
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DR - DEANNA ROBERTS
DRP - DAVE R. PITZER	DSM - DAVID S. MOSSOR	DST - DENNIS S. TEPE
ECL - ERIC C. LAWSON	ED - EMILY E. DECKER	FJB - FRANCES J. BOLDEN
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JKT - JANE K. THOMPSON
JLS - JANICE L. SCHIMMEL	JNB - JOSHUA N. BOOTH	JS - JENNIFER L. SOUTHALL
JWR - JOHN W. RICHARDS	JWS - JACK W. SHEAVES	JYH - JI Y. HU
KCZ - KEVIN C. ZUMBRO	KEB - KATHRYN E. BARNES	KHR - KIM H. RHODES
KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF	LSB - LESLIE S. BUCINA
MDA - MIKE D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
PAS - PATRICK A. STREET	PJM - PAUL J. MILLER	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RNP - RICK N. PETTY
RWC - RODNEY W. CAMPBELL	SCM - SUSAN C. MOELLENDICK	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	SRM - SAMUEL R. MCFEE
TMB - TIFFANY M. BAILEY	TMM - TAMMY M. MORRIS	VC - VICKI COLLIER
WFM - WALTER F. MARTIN		

Qualkey: STD

<u>Qualifier</u>	<u>Description</u>
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	Analyte present in method blank
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
FL	Free Liquid
I	Semiquantitative result (out of instrument calibration range)
J	The analyte was positively identified, but the quantitation was below the RL
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	ESTIMATE & COLUMNS DON'T AGREE TO WITHIN 40%
L	Sample reporting limits elevated due to matrix interference
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Tentatively identified compound(TIC)
NA	Not applicable
ND	Not detected at or above the reporting limit
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria fail. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Undetected; the concentration is below the reported MDL.
UJ	Undetected; the MDL and RL are estimated due to quality control discrepancies.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

Inorganic QA/QC

KEMRON Environmental Services
Data Checklist

00062008

Date: 06-SEP-2006
 Analyst: JWR
 Analyst: NA
 Method: CLO4
 Instrument: IC1
 Curve Workgroup: NA
 Runlog ID: 12144
 Analytical Workgroups: WG221715

System Performance Check	
Eluent check	X
Initial Calibration	
Average RF	
Linear Reg or Higher Order Curve	09/05/06
Alt Source Check	09/05/06
Continuing Calibration	
Continuing Calibration	X
Client Specific Requirements	X
Blanks	
Quant Report / Chromatogram	X
Spike Compounds	X
MS/MSD	X
Excel Spreadsheet	X
Samples	
TCL Hits	X
Manual Integrations	X
Data Package	
Level 2	
Level 3	L0609007, 008
Level 4	
Primary Reviewer	JWR
Secondary Reviewer	MDC
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Check the resonableness of the results	X
Comments: L0609007, 008	LAB DUE 09/12/06
Samples L0609008-01,02 were analyzed at a dilution of 1/4 due to their CLO4 content. The Dup and MS of sample L0609008-02 were also analyzed at a 1/4 dilution. The MS % Rec. was below the advisory limit. All dilutions are performed on the sample extracts (in the case of soils). Due to the level of CLO4 in the parent sample, the level of CLO4 added to the MS and the dilution required, the spiked amount of CLO4 was diluted out.	

Primary Reviewer:
08-SEP-2006



Secondary Reviewer:
11-SEP-2006



Generated: SEP-11-2006 10:41:56

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00062009

Analytical Method: 314.0
Login Number: L0609007

AAB#: WG221715

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
51SB01-01	08/30/06	09/01/06	09/06/06	28	7.12	09/06/06	28	7.12	
51SB01-02	08/30/06	09/01/06	09/06/06	28	7.13	09/06/06	28	7.13	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

METHOD BLANK SUMMARY

00062010

Login Number: L0609007
Blank File ID: I1090606.10
Date Analyzed: 09/06/06
Time Analyzed: 16:18
Analyst: JWR

Work Group: WG221715
Blank Sample ID: WG221715-01
Instrument ID: IC1
Method: 314.0

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG221715-02	I1090606.13	09/06/06 17:19	01
51SB01-01	L0609007-01	I1090606.14	09/06/06 17:40	01
51SB01-02	L0609007-02	I1090606.15	09/06/06 18:00	01
DUP	WG221715-04	I1090606.20	09/06/06 19:42	DL01

METHOD BLANK REPORT

00062011

Login Number: L0609007 Run Date: 09/06/2006 Sample ID: WG221715-01
Instrument ID: IC1 Run Time: 16:18 Prep Method: 314.0
File ID: I1090606.10 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG221715 Matrix: Solid Units: ug/kg
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Perchlorate	5.00	10.0	5.00	1	U

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

LABORATORY CONTROL SAMPLE (LCS)

00062012

Login Number: L0609007 Run Date: 09/06/2006 Sample ID: WG221715-02
Instrument ID: IC1 Run Time: 17:19 Prep Method: 314.0
File ID: I1090606.13 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG221715 Matrix: Solid Units: ug/kg
Contract #: DACA56-94-D-0020 Cal ID: IC1 -

Analytes	Expected	Found	% Rec	LCS Limits	Q
Perchlorate	250	266	106	85 - 115	

KEMRON Environmental Services Data Checklist

00062013

Date: 09-SEP-2006
 Analyst: TMM
 Analyst: NA
 Method: PCT-S
 Instrument: OVEN
 Curve Workgroup: NA
 Runlog ID:
 Analytical Workgroups: WG221881

Calibration/Linearity	09/09/06
Second Source Check	
ICV/CCV (std)	
ICB/CCB	
Blank	
LCS/LCS Dup	
MS/MSD	
Duplicate	X
Upload Results	X
Client Forms	X
QC Violation Sheet	
Case Narratives	
Signed Raw Data	X
STD/LCS on benchsheet	
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	TMM
Secondary Reviewer	DIH
Comments	

Primary Reviewer:
11-SEP-2006



Secondary Reviewer:
13-SEP-2006



Generated: SEP-13-2006 07:59:31



Shaw® Shaw Environmental, Inc.

 3010 Briarpark Drive, Suite 4N
 Houston, TX 77042 (713) 996-4400

CHAIN-OF-CUSTODY Site 51

No. 10404

Laboratory Name: <u>Kemvau</u>		Address: <u>Marrietta Off</u>		Contact:			
Project Name: <u>LHAP</u>		Project Location: <u>Site 51/Kemvau TX</u>		Analysis and Method Desired (Indicate separate containers)			
Project No.: <u>117591</u>		Project Contact: <u>Li Dutz</u>		Project Telephone No.: <u>832-364-0173</u>			
Point of contact:		Project Manager/Supervisor:		Number of Containers <u>Per container</u>			
Telephone No.:							
Item No.	Sample Number	Date	Time	Comp	Grab	Matrix	Sample Description, Location
1	51SB01-01	8/30	1445		X	S	
2	51SB01-02	✓	1450		X	S	
3							
4							
5							
6							
7							
8							
9							
10							
Transfers Relinquished By (Signature): <u>[Signature]</u>		Date/Time: <u>8/31/06 1700</u>		Transfers Accepted By (Signature): <u>UPS</u>		Date/Time:	
						Special Instructions: <u>C/C dated 8/31/06 Sp intact cooler temp 3</u>	
						FedEx Airbill No.: <u>124016632210054751</u>	
				Laboratory: <u>Brenda Crago</u>		Sampler's Signature: <u>[Signature]</u>	
TAT: _____ Standard _____ Rush Due: _____		Seals Intact? _____ Y _____ N		Received Good Condition _____ Y _____ N		Cold	

White - Lab Copy Canary - Field Copy Pink - File Copy

SAMPLE RECEIPT FORM

00062015

Date: 9-01-06 Client: Shaw
 Shipped By: () Fed-Ex () UPS () DHL () KEMRON () Client () Other 9:30
 Opened By: JAI
 Logged By: JBI Login # L06 09007

156 STARLITE DRIVE
 MARIETTA, OH
 45750
 (740) 373-4071

IR Temp Gun: () D MG

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	1462	3	124010632210054751		
2					
3					
4					
5					
6					

Were all coolers sealed?

☒ Y N N/A

Were custody seals used on all coolers?

☒ Y N N/A

Were custody seals intact?

☒ Y N N/A

Was visible ice present?

☒ Y N N/A

Were all coolers in the temperature range of 2-6C? (>6C*)

☒ Y N N/A

Were the samples frozen?*

Y ☒ N N/A

Were COC papers provided?

☒ Y N N/A

Were all sample containers intact?*

☒ Y N N/A

Were all sample labels intact?

☒ Y N N/A

Were all sample labels legible?*

☒ Y N N/A

Did all sample labels match the COC?*

☒ Y N N/A

Was the label information complete?*

☒ Y N N/A

Were the correct containers used?*

☒ Y N N/A

Were the correct preservatives added to water samples?*

Y N ☒ N/A

Was the pH tested on preserved water samples?

Y N ☒ N/A

Were pH ranges acceptable?*

Y N ☒ N/A

Was sufficient amount of sample provided?*

☒ Y N N/A

Were bubbles present in VOA samples?*

Y N ☒ N/A

Were COC's signed and dated?

☒ Y N N/A

Did samples arrive before hold time expired?*

☒ Y N N/A

Are discrepancy forms attached?

Y N ☒ N/A

*Requires a discrepancy form

Comments: _____

CRF #1
 Revised 8/22/03

KEMRON Environmental Services
Internal Chain of Custody Report

00062016

Login: L0609007
Account: 2773
Project: 2773.025
Samples: 2
Due Date: 12-SEP-2006

Samplenum **Container ID** **Products**
L0609007-01 270817 PCT-S CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			01-SEP-2006 12:34	BRG	
2	ANALYZ	W1	WET	05-SEP-2006 11:04	JWR	BRG

Samplenum **Container ID** **Products**
L0609007-02 270818 PCT-S CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			01-SEP-2006 12:34	BRG	
2	ANALYZ	W1	WET	05-SEP-2006 11:04	JWR	BRG

156 Starlite Drive, Marietta, OH 45750 * TEL 740-373-4071 * FAX 740-373-4835 * <http://www.kemron.com>

Laboratory Report Number: L0606661

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader

delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist

afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist

ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist

abock@kemron-lab.com

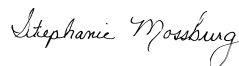
Stephanie Mossburg - Team Chemist/Data Specialist

smossburg@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist

kalbertson@kemron-lab.com

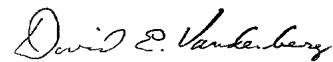
This report was reviewed on 12-JUL-06.



STEPHANIE MOSSBURG

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on 12-JUL-06.



DAVID VANDENBERG

FL DOH NELAP ID: E8755

This report contains a total of 48 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0606661

00062018

07/10/06 08:31

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 2773

Work ID: SITE 51

P.O. Number: 161755

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
51SB02 (0-1)	L0606661-01	28-JUN-06	29-JUN-06
51SB02 (3-4)	L0606661-02	28-JUN-06	29-JUN-06
51SB03 (0-1)	L0606661-03	27-JUN-06	29-JUN-06
51SB03 (3-4)	L0606661-04	27-JUN-06	29-JUN-06
51SB04 (0-1)	L0606661-05	27-JUN-06	29-JUN-06
51SB05 (0-1)	L0606661-06	28-JUN-06	29-JUN-06
DUP-51SB03(0-1)	L0606661-07	27-JUN-06	29-JUN-06
51SB02(0-1)MS	L0606661-08	28-JUN-06	29-JUN-06
51SB02(0-1)MSD	L0606661-09	28-JUN-06	29-JUN-06

KEMRON ENVIRONMENTAL SERVICES
METALS

KEMRON Login No: L0606661

METHOD

Preparation: SW-846 3050B

Analysis: SW-846 6010

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibrations: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

MS/MSD: WG216666(6010) - Sample 01 was chosen by the client for MS/MSD analysis. Samples 08(MS) and 09(MSD) yielded percent recoveries and RPD outside of limits for silver.

Serial Dilution/Post Digestion Spike: WG216666(6010) - All acceptance criteria were met.

SAMPLES

All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: SLP

Approved: 07-JUL-06
<i>Maren Berry</i>

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0606661

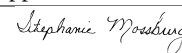
CHAIN OF CUSTODY: The chain of custody number was 2620

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 2 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 06-JUL-06



Report Number: **L0606661**Report Date : **July 10, 2006**

00062021

Sample Number: L0606661-01	PrePrep Method: NONE	Instrument: IRIS-ICP
Client ID: 51SB02 (0-1)	Prep Method: 3050B	Prep Date: 06/30/2006 06:40
Matrix: Soil	Analytical Method: 6010B	Cal Date: 07/06/2006 10:23
Workgroup Number: WG216666	Analyst: SLP	Run Date: 07/06/2006 11:42
Collect Date: 06/28/2006 09:20	Dilution: 1	File ID: IR.070606.114200
Sample Tag: 01	Units: mg/kg	Percent Solid: 93.0

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4	161		1.51	0.189

Sample Number: L0606661-01	PrePrep Method: NONE	Instrument: OVEN
Client ID: 51SB02 (0-1)	Prep Method: D2216-90	Prep Date: 06/30/2006 08:50
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG216522	Analyst: TMM	Run Date: 06/30/2006 08:50
Collect Date: 06/28/2006 09:20	Dilution: 1	File ID: OV.0606300850-05
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	93.0		1.00	1.00

Sample Number: L0606661-02	PrePrep Method: NONE	Instrument: IRIS-ICP
Client ID: 51SB02 (3-4)	Prep Method: 3050B	Prep Date: 06/30/2006 06:40
Matrix: Soil	Analytical Method: 6010B	Cal Date: 07/06/2006 10:23
Workgroup Number: WG216666	Analyst: SLP	Run Date: 07/06/2006 11:48
Collect Date: 06/28/2006 09:38	Dilution: 1	File ID: IR.070606.114800
Sample Tag: 01	Units: mg/kg	Percent Solid: 91.7

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4	5.36		1.65	0.207

Sample Number: L0606661-02	PrePrep Method: NONE	Instrument: OVEN
Client ID: 51SB02 (3-4)	Prep Method: D2216-90	Prep Date: 06/30/2006 08:50
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG216522	Analyst: TMM	Run Date: 06/30/2006 08:50
Collect Date: 06/28/2006 09:38	Dilution: 1	File ID: OV.0606300850-06
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	91.7		1.00	1.00

Report Number: **L0606661**Report Date : **July 10, 2006**

00062022

Sample Number: L0606661-03	PrePrep Method: NONE	Instrument: IRIS-ICP
Client ID: 51SB03 (0-1)	Prep Method: 3050B	Prep Date: 06/30/2006 06:40
Matrix: Soil	Analytical Method: 6010B	Cal Date: 07/06/2006 10:23
Workgroup Number: WG216666	Analyst: SLP	Run Date: 07/06/2006 12:24
Collect Date: 06/27/2006 16:32	Dilution: 1	File ID: IR.070606.122400
Sample Tag: 01	Units: mg/kg	Percent Solid: 93.2

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4	16.1		1.57	0.196

Sample Number: L0606661-03	PrePrep Method: NONE	Instrument: OVEN
Client ID: 51SB03 (0-1)	Prep Method: D2216-90	Prep Date: 06/30/2006 08:50
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG216522	Analyst: TMM	Run Date: 06/30/2006 08:50
Collect Date: 06/27/2006 16:32	Dilution: 1	File ID: OV.0606300850-07
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	93.2		1.00	1.00

Sample Number: L0606661-04	PrePrep Method: NONE	Instrument: IRIS-ICP
Client ID: 51SB03 (3-4)	Prep Method: 3050B	Prep Date: 06/30/2006 06:40
Matrix: Soil	Analytical Method: 6010B	Cal Date: 07/06/2006 10:23
Workgroup Number: WG216666	Analyst: SLP	Run Date: 07/06/2006 12:30
Collect Date: 06/27/2006 16:40	Dilution: 1	File ID: IR.070606.123000
Sample Tag: 01	Units: mg/kg	Percent Solid: 84.5

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4	1.49	J	1.77	0.221

J The analyte was positively identified, but the quantitation was below the RL

Sample Number: L0606661-04	PrePrep Method: NONE	Instrument: OVEN
Client ID: 51SB03 (3-4)	Prep Method: D2216-90	Prep Date: 06/30/2006 08:50
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG216522	Analyst: TMM	Run Date: 06/30/2006 08:50
Collect Date: 06/27/2006 16:40	Dilution: 1	File ID: OV.0606300850-08
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	84.5		1.00	1.00

Report Number: **L0606661**Report Date : **July 10, 2006****00062023**

Sample Number: L0606661-05	PrePrep Method: NONE	Instrument: IRIS-ICP
Client ID: 51SB04 (0-1)	Prep Method: 3050B	Prep Date: 06/30/2006 06:40
Matrix: Soil	Analytical Method: 6010B	Cal Date: 07/06/2006 10:23
Workgroup Number: WG216666	Analyst: SLP	Run Date: 07/06/2006 12:36
Collect Date: 06/27/2006 16:50	Dilution: 1	File ID: IR.070606.123600
Sample Tag: 01	Units: mg/kg	Percent Solid: 96.7

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4	145		1.44	0.179

Sample Number: L0606661-05	PrePrep Method: NONE	Instrument: OVEN
Client ID: 51SB04 (0-1)	Prep Method: D2216-90	Prep Date: 06/30/2006 08:50
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG216522	Analyst: TMM	Run Date: 06/30/2006 08:50
Collect Date: 06/27/2006 16:50	Dilution: 1	File ID: OV.0606300850-09
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	96.7		1.00	1.00

Sample Number: L0606661-06	PrePrep Method: NONE	Instrument: IRIS-ICP
Client ID: 51SB05 (0-1)	Prep Method: 3050B	Prep Date: 06/30/2006 06:40
Matrix: Soil	Analytical Method: 6010B	Cal Date: 07/06/2006 10:23
Workgroup Number: WG216666	Analyst: SLP	Run Date: 07/06/2006 12:42
Collect Date: 06/28/2006 09:00	Dilution: 1	File ID: IR.070606.124200
Sample Tag: 01	Units: mg/kg	Percent Solid: 98.7

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4	149		1.56	0.195

Sample Number: L0606661-06	PrePrep Method: NONE	Instrument: OVEN
Client ID: 51SB05 (0-1)	Prep Method: D2216-90	Prep Date: 06/30/2006 08:50
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG216522	Analyst: TMM	Run Date: 06/30/2006 08:50
Collect Date: 06/28/2006 09:00	Dilution: 1	File ID: OV.0606300850-10
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	98.7		1.00	1.00

Report Number: **L0606661**Report Date : **July 10, 2006**

00062024

Sample Number: L0606661-07	PrePrep Method: NONE	Instrument: IRIS-ICP
Client ID: DUP-51SB03(0-1)	Prep Method: 3050B	Prep Date: 06/30/2006 06:40
Matrix: Soil	Analytical Method: 6010B	Cal Date: 07/06/2006 10:23
Workgroup Number: WG216666	Analyst: SLP	Run Date: 07/06/2006 12:48
Collect Date: 06/27/2006 16:32	Dilution: 1	File ID: IR.070606.124800
Sample Tag: 01	Units: mg/kg	Percent Solid: 93.2

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4	15.2		1.51	0.189

Sample Number: L0606661-07	PrePrep Method: NONE	Instrument: OVEN
Client ID: DUP-51SB03(0-1)	Prep Method: D2216-90	Prep Date: 06/30/2006 08:50
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG216522	Analyst: TMM	Run Date: 06/30/2006 08:50
Collect Date: 06/27/2006 16:32	Dilution: 1	File ID: OV.0606300850-11
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	93.2		1.00	1.00

Sample Number: L0606661-08	PrePrep Method: NONE	Instrument: IRIS-ICP
Client ID: 51SB02(0-1)MS	Prep Method: 3050B	Prep Date: 06/30/2006 06:40
Matrix: Soil	Analytical Method: 6010B	Cal Date: 07/06/2006 10:23
Workgroup Number: WG216666	Analyst: SLP	Run Date: 07/06/2006 12:54
Collect Date: 06/28/2006 09:20	Dilution: 1	File ID: IR.070606.125400
Sample Tag: 01	Units: mg/kg	Percent Solid: 93.0

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4	320		1.57	0.196

Sample Number: L0606661-08	PrePrep Method: NONE	Instrument: OVEN
Client ID: 51SB02(0-1)MS	Prep Method: D2216-90	Prep Date: 06/30/2006 08:50
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG216522	Analyst: TMM	Run Date: 06/30/2006 08:50
Collect Date: 06/28/2006 09:20	Dilution: 1	File ID: OV.0606300850-12
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	93.0		1.00	1.00

Report Number: **L0606661**Report Date : **July 10, 2006**

00062025

Sample Number: L0606661-09	PrePrep Method: NONE	Instrument: IRIS-ICP
Client ID: 51SB02(0-1)MSD	Prep Method: 3050B	Prep Date: 06/30/2006 06:40
Matrix: Soil	Analytical Method: 6010B	Cal Date: 07/06/2006 10:23
Workgroup Number: WG216666	Analyst: SLP	Run Date: 07/06/2006 13:00
Collect Date: 06/28/2006 09:20	Dilution: 1	File ID: IR.070606.130000
Sample Tag: 01	Units: mg/kg	Percent Solid: 93.0

Analyte	CAS. Number	Result	Qual	PQL	SQL
Silver, Total	7440-22-4	217		1.57	0.196

Sample Number: L0606661-09	PrePrep Method: NONE	Instrument: OVEN
Client ID: 51SB02(0-1)MSD	Prep Method: D2216-90	Prep Date: 06/30/2006 08:50
Matrix: Soil	Analytical Method: D2216-90	Cal Date: _____
Workgroup Number: WG216522	Analyst: TMM	Run Date: 06/30/2006 08:50
Collect Date: 06/28/2006 09:20	Dilution: 1	File ID: OV.0606300850-13
	Units: weight %	

Analyte	CAS. Number	Result	Qual	PQL	SQL
Percent Solids	10-02-6	93.0		1.00	1.00

WORKGROUP SUMMARY BY METHOD

WORKGROUP SUMMARY BY METHOD

00062027

Analysis:Metals Analysis

Extraction Method:3050B

Workgroup:WG216495

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606661-01	51SB02 (0-1)		06/30/06 06:40			HOT BLOCK	REK
L0606661-02	51SB02 (3-4)		06/30/06 06:40			HOT BLOCK	REK
L0606661-03	51SB03 (0-1)		06/30/06 06:40			HOT BLOCK	REK
L0606661-04	51SB03 (3-4)		06/30/06 06:40			HOT BLOCK	REK
L0606661-05	51SB04 (0-1)		06/30/06 06:40			HOT BLOCK	REK
L0606661-06	51SB05 (0-1)		06/30/06 06:40			HOT BLOCK	REK
L0606661-07	DUP-51SB03(0-1)		06/30/06 06:40			HOT BLOCK	REK
L0606661-08	51SB02(0-1)MS		06/30/06 06:40			HOT BLOCK	REK
L0606661-09	51SB02(0-1)MSD		06/30/06 06:40			HOT BLOCK	REK

Analysis:Percent Solids

Analytical Method:D2216-90

Workgroup:WG216522

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606661-01	51SB02 (0-1)			06/30/06 08:50		OVEN	TMM
L0606661-02	51SB02 (3-4)			06/30/06 08:50		OVEN	TMM
L0606661-03	51SB03 (0-1)			06/30/06 08:50		OVEN	TMM
L0606661-04	51SB03 (3-4)			06/30/06 08:50		OVEN	TMM
L0606661-05	51SB04 (0-1)			06/30/06 08:50		OVEN	TMM
L0606661-06	51SB05 (0-1)			06/30/06 08:50		OVEN	TMM
L0606661-07	DUP-51SB03(0-1)			06/30/06 08:50		OVEN	TMM
L0606661-08	51SB02(0-1)MS			06/30/06 08:50		OVEN	TMM
L0606661-09	51SB02(0-1)MSD			06/30/06 08:50		OVEN	TMM

Analysis:Metals Analysis

Analytical Method:6010B

Workgroup:WG216666

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0606661-01	51SB02 (0-1)		06/30/06 06:40	07/06/06 11:42	01	IRIS-ICP	SLP
L0606661-02	51SB02 (3-4)		06/30/06 06:40	07/06/06 11:48	01	IRIS-ICP	SLP
L0606661-02	51SB02 (3-4)		06/30/06 06:40	07/06/06 11:54	DL01	IRIS-ICP	SLP
L0606661-03	51SB03 (0-1)		06/30/06 06:40	07/06/06 12:24	01	IRIS-ICP	SLP
L0606661-04	51SB03 (3-4)		06/30/06 06:40	07/06/06 12:30	01	IRIS-ICP	SLP
L0606661-05	51SB04 (0-1)		06/30/06 06:40	07/06/06 12:36	01	IRIS-ICP	SLP
L0606661-06	51SB05 (0-1)		06/30/06 06:40	07/06/06 12:42	01	IRIS-ICP	SLP
L0606661-07	DUP-51SB03(0-1)		06/30/06 06:40	07/06/06 12:48	01	IRIS-ICP	SLP
L0606661-08	51SB02(0-1)MS		06/30/06 06:40	07/06/06 12:54	01	IRIS-ICP	SLP
L0606661-09	51SB02(0-1)MSD		06/30/06 06:40	07/06/06 13:00	01	IRIS-ICP	SLP

Kemron Environmental Services
Analyst Listing July 10, 2006

00062028

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAA - CASSIE A. AUGENSTEIN	CAF - CHERYL A. FLOWERS
CAK - CHERYL A. KOELSCH	CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSA - LUCINDA S. ARNOLD	CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN
DD - DIANE M. DENNIS	DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ
DEV - DAVID E. VANDENBERG	DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON
DLB - DAVID L. BUMGARNER	DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH
DR - DEANNA ROBERTS	DSM - DAVID S. MOSSOR	DST - DENNIS S. TEPE
ECL - ERIC C. LAWSON	ED - EMILY E. DECKER	HAV - HEMA VILASAGAR
JAL - JOHN A. LENT	JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL
JNB - JOSHUA N. BOOTH	JS - JENNIFER L. SOUTHALL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KCZ - KEVIN C. ZUMBRO
KEB - KATHRYN E. BARNES	KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON
LKN - LINDA K. NEDEFF	LSB - LESLIE S. BUCINA	MDA - MIKE D. ALBERTSON
MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING	MKZ - MARILYN K. ZUMBRO
MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL	MMB - MAREN M. BEERY
MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH	PAS - PATRICK A. STREET
PJM - PAUL J. MILLER	RB - ROBERT BUCHANAN	RDC - REBECCA D. CUTLIP
REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL	SCM - SUSAN C. MOELLENDICK
SLM - STEPHANIE L. MOSSBURG	SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE
TMB - TIFFANY M. BAILEY	TMM - TAMMY M. MORRIS	VC - VICKI COLLIER
WFM - WALTER F. MARTIN		

<u>Qualifier</u>	<u>Description</u>
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	Analyte present in method blank
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
FL	Free Liquid
I	Semiquantitative result (out of instrument calibration range)
J	The analyte was positively identified, but the quantitation was below the RL
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	ESTIMATE & COLUMNS DON'T AGREE TO WITHIN 40%
L	Sample reporting limits elevated due to matrix interference
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Tentatively identified compound(TIC)
NA	Not applicable
ND	Not detected at or above the reporting limit
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria fail. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Undetected; the concentration is below the reported MDL.
UJ	Undetected; the MDL and RL are estimated due to quality control discrepancies.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

Inorganic QA/QC

KEMRON Environmental Services
Data Checklist

Date: 06-JUL-2006
Analyst: SLP
Analyst: NA
Method: 6010B
Instrument: IRIS-ICP
Curve Workgroup: 216735
Runlog ID: 11099
Analytical Workgroups: 216666, 216665, 216670

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	648, 661
Client Forms	X
Level X	
Level 3	648, 661
Level 4	
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	SLP
Secondary Reviewer	LSB
Comments	

Primary Reviewer:
06-JUL-2006

Shirley L. Pabst

Secondary Reviewer:
07-JUL-2006

Leslie Bucina

00062032

KEMRON Environmental Services

Instrument Run Log

Instrument: IRIS-ICP Dataset: 20060706.1
 Analyst1: SLP Analyst2: N/A
 Method: 6010B SOP: ME600F Rev: 5
 Maintenance Log ID: 14574

Calibration Std: STD13426 ICV/CCV Std: STD13107 Post Spike: STD12687
 ICSA: STD13102 ICSAB: STD13354

Workgroups: 216666, 216665, 216670

Comments: 55) Power outage occurred after sample analysis. Plasma was reignited, allowed to equilibrate, a CCV and CCB were analyzed, and the analytical sequence was resumed.

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	IR.070606.095300	WG216735-01	Calibration Point		1		07/06/06 09:53
2	IR.070606.095900	WG216735-02	Calibration Point		1		07/06/06 09:59
3	IR.070606.100500	WG216735-03	Calibration Point		1		07/06/06 10:05
4	IR.070606.101100	WG216735-04	Calibration Point		1		07/06/06 10:11
5	IR.070606.101700	WG216735-05	Calibration Point		1		07/06/06 10:17
6	IR.070606.102300	WG216735-06	Calibration Point		1		07/06/06 10:23
7	IR.070606.103000	WG216735-07	Initial Calibration Verification		1		07/06/06 10:30
8	IR.070606.103600	WG216735-08	Initial Calib Blank		1		07/06/06 10:36
9	IR.070606.104200	WG216735-09	Interference Check		1		07/06/06 10:42
10	IR.070606.104800	WG216735-10	Interference Check		1		07/06/06 10:48
11	IR.070606.105400	WG216735-11	CCV		1		07/06/06 10:54
12	IR.070606.110000	WG216735-12	CCB		1		07/06/06 11:00
13	IR.070606.110600	WG216495-03	Method/Prep Blank	1/50	1		07/06/06 11:06
14	IR.070606.111200	WG216495-04	Laboratory Control S	1/50	1		07/06/06 11:12
15	IR.070606.111800	L0606648-01	07SB03 (0-1)	1.43/50	1		07/06/06 11:18
16	IR.070606.112400	L0606648-02	07SB03 (3-4)	1.31/50	1		07/06/06 11:24
17	IR.070606.113000	L0606648-03	07SB04 (0-1)	1.43/50	1		07/06/06 11:30
18	IR.070606.113600	L0606648-04	07SB04 (3-4)	1.37/50	1		07/06/06 11:36
19	IR.070606.114200	L0606661-01	51SB02 (0-1)	1.42/50	1		07/06/06 11:42
20	IR.070606.114800	L0606661-02	51SB02 (3-4)	1.32/50	1		07/06/06 11:48
21	IR.070606.115400	WG216666-02	Serial Dilution		5	L0606661-02	07/06/06 11:54
22	IR.070606.120000	WG216666-02	Serial Dilution		25	L0606661-02	07/06/06 12:00
23	IR.070606.120600	WG216735-13	CCV		1		07/06/06 12:06
24	IR.070606.121200	WG216735-14	CCB		1		07/06/06 12:12
25	IR.070606.121800	WG216666-01	Post Digestion Spike		1	L0606661-02	07/06/06 12:18
26	IR.070606.122400	WG216495-02	Reference Sample		1	L0606661-03	07/06/06 12:24
27	IR.070606.123000	L0606661-04	51SB03 (3-4)	1.34/50	1		07/06/06 12:30
28	IR.070606.123600	L0606661-05	51SB04 (0-1)	1.44/50	1		07/06/06 12:36
29	IR.070606.124200	L0606661-06	51SB05 (0-1)	1.3/50	1		07/06/06 12:42
30	IR.070606.124800	L0606661-07	DUP-51SB03(0-1)	1.42/50	1		07/06/06 12:48
31	IR.070606.125400	WG216495-05	Matrix Spike	1.37/50	1	L0606661-08	07/06/06 12:54
32	IR.070606.130000	WG216495-06	Matrix Spike Duplica	1.37/50	1	L0606661-09	07/06/06 13:00
33	IR.070606.130600	L0606665-03	FLUX	1.31/50	1		07/06/06 13:06
34	IR.070606.131200	WG216735-15	CCV		1		07/06/06 13:12
35	IR.070606.131800	WG216735-16	CCB		1		07/06/06 13:18
36	IR.070606.132800	WG216503-02	Method/Prep Blank	1/50	1		07/06/06 13:28
37	IR.070606.133400	WG216503-03	Laboratory Control S	1/50	1		07/06/06 13:34



00062033

KEMRON Environmental Services

Instrument Run Log

Instrument: IRIS-ICP Dataset: 20060706.1
 Analyst1: SLP Analyst2: N/A
 Method: 6010B SOP: ME600F Rev: 5
 Maintenance Log ID: 14574

Calibration Std: STD13426 ICV/CCV Std: STD13107 Post Spike: STD12687
 ICSA: STD13102 ICSAB: STD13354

Workgroups: 216666, 216665, 216670

Comments: 55) Power outage occurred after sample analysis. Plasma was reignited, allowed to equilibrate, a CCV and CCB were analyzed, and the analytical sequence was resumed.

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
38	IR.070606.134000	L0606652-01	ORG.A3A.202.10	1.4/50	1		07/06/06 13:40
39	IR.070606.134600	WG216665-02	Serial Dilution		5	L0606652-01	07/06/06 13:46
40	IR.070606.135200	WG216665-01	Post Digestion Spike		1	L0606652-01	07/06/06 13:52
41	IR.070606.135800	L0606652-02	ORG.B1A.202.10	1.37/50	1		07/06/06 13:58
42	IR.070606.140400	L0606652-03	ORG.D2A.202.10	1.42/50	1		07/06/06 14:04
43	IR.070606.141000	L0606652-04	ORG.E4A.202.10	1.35/50	1		07/06/06 14:10
44	IR.070606.142100	L0606665-03	FLUX	1.31/50	10		07/06/06 14:21
45	IR.070606.142700	WG216735-17	CCV		1		07/06/06 14:27
46	IR.070606.143300	WG216735-18	CCB		1		07/06/06 14:33
47	IR.070606.144100	WG216503-01	Reference Sample		1	L0606652-05	07/06/06 14:41
48	IR.070606.144700	WG216503-04	Matrix Spike	1.38/50	1	L0606652-06	07/06/06 14:47
49	IR.070606.145300	WG216503-05	Matrix Spike Duplica	1.38/50	1	L0606652-07	07/06/06 14:53
50	IR.070606.145900	L0606652-08	ORG.G2A.202.10	1.46/50	1		07/06/06 14:59
51	IR.070606.150500	L0606652-09	ORG.G2B.202.10	1.35/50	1		07/06/06 15:05
52	IR.070606.151100	L0606652-10	ORG.H1A.202.10	1.5/50	1		07/06/06 15:11
53	IR.070606.151700	L0606652-11	ORG.H4A.202.10	1.38/50	1		07/06/06 15:17
54	IR.070606.152300	L0606652-12	ORG.J3A.202.10	1.35/50	1		07/06/06 15:23
55	IR.070606.152900	L0606652-13	ORG.L4A.202.10	1.36/50	1		07/06/06 15:29
56	IR.070606.155800	WG216735-19	CCV		1		07/06/06 15:58
57	IR.070606.160400	WG216735-20	CCB		1		07/06/06 16:04
58	IR.070606.161000	L0606652-14	ORG.M2A.202.10	1.37/50	1		07/06/06 16:10
59	IR.070606.161600	L0606652-15	ORG.N1A.202.10	1.35/50	1		07/06/06 16:16
60	IR.070606.162200	L0606652-16	ORG.N3A.202.10	1.48/50	1		07/06/06 16:22
61	IR.070606.162800	L0606652-17	ORG.O4A.202.10	1.38/50	1		07/06/06 16:28
62	IR.070606.163400	WG216635-02	Method/Prep Blank	1/50	1		07/06/06 16:34
63	IR.070606.164000	WG216635-03	Laboratory Control S	1/50	1		07/06/06 16:40
64	IR.070606.164600	L0606652-18	ORG.Q2A.202.10	1.38/50	1		07/06/06 16:46
65	IR.070606.165200	WG216670-02	Serial Dilution		5	L0606652-18	07/06/06 16:52
66	IR.070606.165800	WG216670-01	Post Digestion Spike		1	L0606652-18	07/06/06 16:58
67	IR.070606.170400	L0606652-19	ORG.S3A.202.10	1.42/50	1		07/06/06 17:04
68	IR.070606.171000	WG216735-21	CCV		1		07/06/06 17:10
69	IR.070606.171600	WG216735-22	CCB		1		07/06/06 17:16
70	IR.070606.172200	L0606652-20	ORG.T1A.202.10	1.36/50	1		07/06/06 17:22
71	IR.070606.172800	L0606652-21	ORG.T4A.202.10	1.35/50	1		07/06/06 17:28
72	IR.070606.173400	WG216635-01	Reference Sample		1	L0606652-22	07/06/06 17:34
73	IR.070606.174000	WG216635-04	Matrix Spike	1.35/50	1	L0606652-23	07/06/06 17:40
74	IR.070606.174600	WG216635-05	Matrix Spike Duplica	1.35/50	1	L0606652-24	07/06/06 17:46



KEMRON Environmental Services

Instrument Run Log

Instrument: IRIS-ICP Dataset: 20060706.1
 Analyst1: SLP Analyst2: N/A
 Method: 6010B SOP: ME600F Rev: 5
 Maintenance Log ID: 14574

Calibration Std: STD13426 ICV/CCV Std: STD13107 Post Spike: STD12687
 ICSA: STD13102 ICSAB: STD13354

Workgroups: 216666, 216665, 216670

Comments: 55) Power outage occurred after sample analysis. Plasma was reignited, allowed to equilibrate, a CCV and CCB were analyzed, and the analytical sequence was resumed.

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
75	IR.070606.175200	L0606652-25	ORG.V4A.202.10	1.35/50	1		07/06/06 17:52
76	IR.070606.175800	L0606652-26	ORG.V4B.202.10	1.35/50	1		07/06/06 17:58
77	IR.070606.180400	L0606652-27	ORG.W3A.202.10	1.35/50	1		07/06/06 18:04
78	IR.070606.181000	L0606652-28	ORG.Y2A.202.10	1.37/50	1		07/06/06 18:10
79	IR.070606.181600	L0606652-29	ORG.Z1A.202.10	1.35/50	1		07/06/06 18:16
80	IR.070606.182200	WG216735-23	CCV		1		07/06/06 18:22
81	IR.070606.182800	WG216735-24	CCB		1		07/06/06 18:28
82	IR.070606.183400	L0606652-30	ORG.Z4A.202.10	1.36/50	1		07/06/06 18:34
83	IR.070606.184000	L0606652-31	ORG.HH1.202.10	1.36/50	1		07/06/06 18:40
84	IR.070606.184600	L0606652-32	ORG.EE1.202.10	1.35/50	1		07/06/06 18:46
85	IR.070606.185200	L0606652-33	ORG.AA1.202.10	1.39/50	1		07/06/06 18:52
86	IR.070606.185800	L0606652-34	ORG.DD1.202.10	1.37/50	1		07/06/06 18:58
87	IR.070606.190400	WG216735-25	CCV		1		07/06/06 19:04
88	IR.070606.191000	WG216735-26	CCB		1		07/06/06 19:10



Metals Digestion Log

Analyst(s): RLK
Date: 6/30/06
LCS: 5 ml STD 12687
MS/MSD: 5 ml STD 12687
Witness: NO
HNO₃ Lot #: RET 10226
1:1HNO₃: RLT 10288
HCl Lot #: 1265 10225
H₂O₂ Lot #: RLT 10254
Earliest Sample Due Date: 7/6/06
Hotblock #: 1
Hotblock Temp - Start: 92.1 °C 06/40
Hotblock Temp - End: 91.1 °C 01/45

Box: 63
Digestion Work Group: WG 216495

General Digestion

ME401 Revision # _____ - Method 3005A-Water
ME403 Revision # 12 - Method 3050B-Soil

Furnace Digestion

ME402 Revision # _____ - Method 3020A-Water
ME403 Revision # _____ - Method 3050B-Soil

AS/SE Digestion

ME410 Revision # _____ - Method 7060/7740-Water

Relinquished By: RLK
Digest Received By: RLK Date: 6/30/06

	KEMRON #	Initial WT/Vol	Final Volume	Comments	Due Date
1	185	1.005	50ml	05	
2	185	1		04	
3	06-648-01	1.43			7/7
4	02	1.31			
5	03	1.43			
6	04	1.37			
7	06-661-01 REF	1.42		01	7/7
8	02	1.32			
9	03 REF	1.37		02	
10	04	1.34			
11	05	1.44			
12	06	1.30			
13	07 DUP	1.42		DUP OF 01 -07	
14	08 MS	1.37		MS OF 03 -05	
15	09 MSP	1		MSP 1 -06	
16	06-665-03	1.31			7/6
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					

Comments: _____

Primary Review: RLK 6/30/06

Secondary Review: Vicki Callen 6/30/06

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00062036

Analytical Method: 6010B
 Login Number: L0606661

AAB#: WG216666

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
51SB02 (0-1)	06/28/06	06/29/06	06/30/06	180	1.89	07/06/06	180	6.21	
51SB02 (3-4)	06/28/06	06/29/06	06/30/06	180	1.88	07/06/06	180	6.21	
51SB02 (3-4)	06/28/06	06/29/06	06/30/06	180	1.88	07/06/06	180	6.22	
51SB03 (0-1)	06/27/06	06/29/06	06/30/06	180	2.59	07/06/06	180	6.24	
51SB03 (3-4)	06/27/06	06/29/06	06/30/06	180	2.58	07/06/06	180	6.24	
51SB04 (0-1)	06/27/06	06/29/06	06/30/06	180	2.58	07/06/06	180	6.25	
51SB05 (0-1)	06/28/06	06/29/06	06/30/06	180	1.90	07/06/06	180	6.25	
DUP-51SB03(0-1)	06/27/06	06/29/06	06/30/06	180	2.59	07/06/06	180	6.26	
51SB02(0-1)MS	06/28/06	06/29/06	06/30/06	180	1.89	07/06/06	180	6.26	
51SB02(0-1)MSD	06/28/06	06/29/06	06/30/06	180	1.89	07/06/06	180	6.26	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

METHOD BLANK SUMMARY

Login Number: L0606661
 Blank File ID: IR.070606.110600
 Date Analyzed: 07/06/06
 Time Analyzed: 11:06
 Analyst: SLP

Work Group: WG216666
 Blank Sample ID: WG216495-03
 Instrument ID: IRIS-ICP
 Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG216495-04	IR.070606.111200	07/06/06 11:12	01
51SB02 (0-1)	L0606661-01	IR.070606.114200	07/06/06 11:42	01
51SB02 (3-4)	L0606661-02	IR.070606.114800	07/06/06 11:48	01
51SB02 (3-4)	L0606661-02	IR.070606.115400	07/06/06 11:54	DL01
51SB03 (0-1)	L0606661-03	IR.070606.122400	07/06/06 12:24	01
51SB03 (3-4)	L0606661-04	IR.070606.123000	07/06/06 12:30	01
51SB04 (0-1)	L0606661-05	IR.070606.123600	07/06/06 12:36	01
51SB05 (0-1)	L0606661-06	IR.070606.124200	07/06/06 12:42	01
DUP-51SB03(0-1)	L0606661-07	IR.070606.124800	07/06/06 12:48	01
51SB02(0-1)MS	L0606661-08	IR.070606.125400	07/06/06 12:54	01
51SB02(0-1)MSD	L0606661-09	IR.070606.130000	07/06/06 13:00	01

Login Number: L0606661 Run Date: 07/06/2006 Sample ID: WG216495-03
Instrument ID: IRIS-ICP Run Time: 11:06 Prep Method: 3050B
File ID: IR.070606.110600 Analyst: SLP Method: 6010B
Workgroup (AAB#): WG216666 Matrix: Solid Units: mg/kg
Contract #: DACA56-94-D-0020 Cal ID: IRIS-I - 06-JUL-06

Analytes	SQL	PQL	Concentration	Dilution	Qualifier
Silver, Total	0.250	2.00	0.250	1	U

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

Login Number: L0606661 Run Date: 07/06/2006 Sample ID: WG216495-04
Instrument ID: IRIS-ICP Run Time: 11:12 Prep Method: 3050B
File ID: IR.070606.111200 Analyst: SLP Method: 6010B
Workgroup (AAB#): WG216666 Matrix: Solid Units: mg/kg
Contract #: DACA56-94-D-0020 Cal ID: IRIS-I-06-JUL-06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Silver, Total	10.0	9.58	95.8	80 - 120	

MS/MSD REPORT

00062040

Loginnum: L0606661 _____ Cal ID: IRIS-ICP - 06-JUL-06 _____ Worknum: WG216666 _____
 Instrument ID: IRIS-ICP _____ Contract #: DACA56-94-D-0020 _____ Prep Method: 3050B _____
 Parent ID: L0606661-01 _____ File ID: IR.070606.114200 Dil: 1 _____ Method: 6010B _____
 Sample ID: L0606661-08 MS _____ File ID: IR.070606.125400 Dil: 1 _____ Matrix: Soil _____
 Sample ID: L0606661-09 MSD _____ File ID: IR.070606.130000 Dil: 1 _____ Units: mg/kg _____
 Percent Solid: 93.0 _____

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Silver, Total	161	7.85	320	2030	7.85	217	706	38.6	75 - 125	20	*

* FAILS %REC LIMIT

FAILS RPD LIMIT

Login Number: L0606661

Worknum: WG216666

Instrument ID: IRIS-ICP

Method: 6010B

Sample ID: L0606661-03 File ID: IR.070606.122400 Dil: 1

Matrix: Solid

Duplicate ID: L0606661-07 File ID: IR.070606.124800 Dil: 1

Units: mg/kg

Percent Solid: 88.2

Analyte	Sample	Duplicate	RPD	RPD Limit	Q
Silver, Total	17.0	16.1	5.46	20	

KEMRON ENVIRONMENTAL SERVICES
SERIAL DILUTION REPORT

00062042

Sample Login ID: L0606661
Instrument ID: IRIS-ICP
Sample ID: L0606661-02 File ID: IR.070606.114800 Dil: 1
Serial Dilution ID: WG216666-02 File ID: IR.070606.115400 Dil: 5

Worknum: WG216666
Method: 6010B
Units: mg/kg

Analyte	Sample	C	Serial Dilution	C	% Difference	Q
Silver	0.130	X	0.150	F	15.4	

U = Result is below MDL

F = Result is between MDL and RL

X = Result is greater than RL and less than 50 times the MDL

E = %D exceeds control limit of 10% and initial

sample result is greater than or equal to 50 times the MDL

KEMRON ENVIRONMENTAL SERVICES
POST SPIKE REPORT

00062043

Sample Login ID: L0606661

Worknum: WG216666

Instrument ID: IRIS-ICP

Method: 6010B

Post Spike ID: WG216666-01 File ID: IR.070606.121800 Dil: 1

Units: mg/kg

Sample ID: L0606661-02 File ID: IR.070606.114800 Dil: 1

Matrix: Soil

Analyte	Control Limit %R	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Q
SILVER	75 - 125	0.318		0.130		0.200	101	

N = % Recovery exceeds control limits of 75% - 125%

F = Result is between MDL and RL

U = Sample result is below MDL. A value of zero is used in the calculation.

Login Number: L0606661
Analytical Method: 6010B
ICAL Worknum: WG216735

Workgroup (AAB#): WG216666
Instrument ID: IRIS-ICP
Initial Calibration Date: 06-JUL-2006 10:23

Analyte	WG216735-01		WG216735-03		WG216735-04		WG216735-05		WG216735-06		R	Q
	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT		
Silver	0	.0554	.008	.29183	.2	6.591	.4	13.228	.8	26.353	0.999969	

INT = Instrument intensity

R = Coefficient of correlation

Q = Data Qualifier

* = Out of Compliance; R < 0.995

KEMRON Environmental Services
INITIAL CALIBRATION BLANK (ICB)

00062045

Login Number: L0606661 Run Date: 07/06/2006 Sample ID: WG216735-08
Instrument ID: IRIS-ICP Run Time: 10:36 Method: 6010B
File ID: IR.070606.103600 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	-.00195	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK (CCB)

00062046

Login Number: L0606661 Run Date: 07/06/2006 Sample ID: WG216735-12
Instrument ID: IRIS-ICP Run Time: 11:00 Method: 6010B
File ID: IR.070606.110000 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	-0.00120	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK (CCB)

00062047

Login Number: L0606661 Run Date: 07/06/2006 Sample ID: WG216735-14
Instrument ID: IRIS-ICP Run Time: 12:12 Method: 6010B
File ID: IR.070606.121200 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	0.00219	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK (CCB)

00062048

Login Number: L0606661 Run Date: 07/06/2006 Sample ID: WG216735-16
Instrument ID: IRIS-ICP Run Time: 13:18 Method: 6010B
File ID: IR.070606.131800 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Silver	0.00500	0.0400	-0.00109	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
INITIAL CALIBRATION VERIFICATION (ICV)

00062049

Login Number: L0606661 Run Date: 07/06/2006 Sample ID: WG216735-07
Instrument ID: IRIS-ICP Run Time: 10:30 Method: 6010B
File ID: IR.070606.103000 Analyst: SLP Units: mg/L
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analyte		Expected	Found	%REC	LIMITS	Q
Silver		.4	0.394	98.4	90 - 110	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION VERIFICATION (CCV)

00062050

Login Number: L0606661 Run Date: 07/06/2006 Sample ID: WG216735-11
Instrument ID: IRIS-ICP Run Time: 10:54 Method: 6010B
File ID: IR.070606.105400 Analvst: SLP
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.396	99.1	90 - 110	mg/L	

* Exceeds LIMITS Criteria

KEMRON Environmental Services
CONTINUING CALIBRATION VERIFICATION (CCV)

00062051

Login Number: L0606661 Run Date: 07/06/2006 Sample ID: WG216735-13
Instrument ID: IRIS-ICP Run Time: 12:06 Method: 6010B
File ID: IR.070606.120600 Analyst: SLP
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.398	99.5	90 - 110	mg/L	

* Exceeds LIMITS Criteria

KEMRON Environmental Services
CONTINUING CALIBRATION VERIFICATION (CCV)

00062052

Login Number: L0606661 Run Date: 07/06/2006 Sample ID: WG216735-15
Instrument ID: IRIS-ICP Run Time: 13:12 Method: 6010B
File ID: IR.070606.131200 Analvst: SLP
Workgroup (AAB#): WG216666 Cal ID: IRIS-I - 06-JUL-06

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Silver		.4	0.399	99.6	90 - 110	mg/L	

* Exceeds LIMITS Criteria

KEMRON ENVIRONMENTAL SERVICES
INTERFERENCE CHECK SAMPLES

00062053

Login number: L0606661
Instrument ID: IRIS-ICP
Sol. A : WG216735-09
Sol. AB : WG216735-10

File ID: IR.070606.104200
File ID: IR.070606.104800

Workgroup (AAB#): WG216666
Method: 6010B
Units: mg/L

ANALYTE	Sol. A			Sol. AB			Q
	True	Found	%Recovery	True	Found	%Recovery	
Silver	NS	-0.000630	NS	0.500	0.500	100	

NS = Not spiked

* = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.

= Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).

KEMRON Environmental Services
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00062054

Login Number: L0606661 **Date:** 06/08/2006
Insturment ID: IRIS-ICP **Method:** 6010B

Analyte	Wave Length	AL	AS	B	BA	BE
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	-0.00000400	-0.00000300	0	0	0
ARSENIC	189.00	0.0000100	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0.00000100	0.0160	0	-0.00181	0
CALCIUM	373.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0
COBALT	228.60	0	0	0	0	0
COPPER	324.70	0	0	0	0	0
IRON	271.40	0	0	0	0	0
LEAD	220.30	0.000500	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	277.90	0	-0.0432	0	0	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0.00830
POTASSIUM	766.40	0	0	0	-0.0660	0
SELENIUM	196.00	0.000156	0	0	0	0
SILICON	251.60	0	0	-0.0157	0	0
SILVER	328.00	0.00000100	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0	0	0	0
THALLIUM	190.80	-0.0000300	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	0	0	0	0	0
VANADIUM	310.20	-0.0000260	0	0	0	0.00900
ZINC	213.80	0	0	0	0	0

KEMRON Environmental Services
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00062055

Login Number: L0606661 **Date:** 06/08/2006
Insturment ID: IRIS-ICP **Method:** 6010B

Analyte	Wave Length	CA	CO	CR	CU	FE
ALUMINUM	308.20	0	-0.00524	0	0	0
ANTIMONY	206.80	0	0	0.0230	0	0.00000500
ARSENIC	189.00	0	0	0.000280	0	-0.000110
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0.00160	0	0	0
CADMIUM	228.80	0.00000200	0	0	0	0.00000300
CALCIUM	373.70	0	0	0	0	0.00400
CHROMIUM	267.70	0	0	0	0	-0.0000100
COBALT	228.60	0	0	0.0000450	0	0.0000150
COPPER	324.70	0	0	-0.000150	0	0.0000390
IRON	271.40	0.00160	0.0969	0	0	0
LEAD	220.30	0	-0.000300	-0.000220	0	0.0000170
LITHIUM	670.80	-0.0000500	0	0	0	0
MAGNESIUM	277.90	0	0	-0.00436	0	0
MANGANESE	257.60	0	0	0	0	-0.0000180
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0.000400	0	0	0.00000700
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0.00419	0	0	-0.00100
SILICON	251.60	0	0	0	0	0
SILVER	328.00	0	0	-0.0000420	0	0.00000100
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0.0000600	0	0	-0.000392
THALLIUM	190.80	0	0.00649	0.000190	0	-0.0000800
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	-0.0000300	0	0.000300	0	0
VANADIUM	310.20	0	0	-0.000646	0	-0.0000100
ZINC	213.80	0	0	0	0.000250	0.0000600

KEMRON Environmental Services
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00062056

Login Number: L0606661
 Instrument ID: IRIS-ICP

Date: 06/08/2006
 Method: 6010B

Analyte	Wave Length	LI	MG	MN	MO	NI
ALUMINUM	308.20	0	0	0.00180	0.0300	0
ANTIMONY	206.80	0	0	0	-0.00800	-0.000100
ARSENIC	189.00	0	0	0	0.00108	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	-0.0000500	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0	0	0	-0.0000250
CALCIUM	373.70	0	0	0.00160	0	0.00195
CHROMIUM	267.70	0	0	0.000510	0	0
COBALT	228.60	0	0	0	0	0
COPPER	324.70	0	0	0	0	0
IRON	271.40	0	0	-0.000500	-0.00740	0
LEAD	220.30	0	0	0	-0.00300	0.000489
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	277.90	0	0	0.00132	-0.120	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0.000260	-0.000660	0
SILICON	251.60	0	0	0	0.00800	0
SILVER	328.00	0	0	0.0000800	-0.000290	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0	0	-0.0000800	0
THALLIUM	190.80	0	0	0.00130	-0.00710	0
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	-0.00250	0	0	0	0
VANADIUM	310.20	0	-0.00000400	0	0	0
ZINC	213.80	0	0.0000180	0.000279	0	0.00635

KEMRON Environmental Services
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00062057

Login Number: L0606661 _____ **Date:** 06/08/2006 _____
Insturment ID: IRIS-ICP _____ **Method:** 6010B _____

Analyte	Wave Length	SB	SN	TI	V	ZN
ALUMINUM	308.20	0	0	-0.00200	0.00930	0
ANTIMONY	206.80	0	0	0.000620	0.0000700	0
ARSENIC	189.00	-0.000420	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0.00120	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0	0	0.0000360	0
CALCIUM	373.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0.000100	0
COBALT	228.60	0	-0.00339	0.00180	0	-0.00100
COPPER	324.70	0	0	-0.000950	-0.00383	0
IRON	271.40	0	0	0	-0.0430	0
LEAD	220.30	0	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	277.90	0	0	0	0.00570	0
MANGANESE	257.60	0	0	0	-0.0000750	0
MOLYBDENUM	202.03	0	0	0	-0.000247	0.00200
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0.0140
SILICON	251.60	0	0	0.00665	0	0
SILVER	328.00	0	0	0.00268	-0.0143	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	215.20	0	0	0	0	0.000768
THALLIUM	190.80	-0.000146	0	0.00180	0.00321	0
TIN	189.90	0	0	0	0	0
TITANIUM	334.90	0	0		0	0
VANADIUM	310.20	0	0	0	0	0
ZINC	213.80	0	0	0	0	0

Login Number: L0606661
Instrument ID: IRIS-ICP

Date: 06/06/2006
Method: 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	10.00	800.0
Antimony	55.00	50.0
Arsenic	55.00	100.0
Barium	10.00	20.0
Beryllium	10.00	4.0
Boron	55.00	100.0
Cadmium	55.00	30.0
Calcium	10.00	500.0
Chromium	55.00	20.0
Cobalt	55.00	100.0
Copper	10.00	50.0
Iron	55.00	900.0
Lead	55.00	200.0
Lithium	10.00	10.0
Magnesium	55.00	1000.0
Manganese	55.00	20.0
Molybdenum	55.00	30.0
Nickel	55.00	100.0
Potassium	10.00	200.0
Selenium	55.00	20.0
Silicon	55.00	50.0
Silver	10.00	10.0
Sodium	10.00	150.0
Strontium	55.00	30.0
Thallium	55.00	20.0
Tin	55.00	30.0
Titanium	10.00	25.0
Vanadium	10.00	100.0
Zinc	55.00	20.0

Comments:

[illegible]

KEMRON Environmental Services
Internal Chain of Custody Report

00062060

Login: L0606661
Account: 2773
Project: 2773.025
Samples: 9
Due Date: 07-JUL-2006

Samplenum **Container ID** **Products**
L0606661-01 247743 PCT-S AG

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 13:35	BRG	
2	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
3	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
4	ANALYZ	W1	WET	30-JUN-2006 08:13	JB	BRG
5	STORE	WET	A1	30-JUN-2006 09:25	BRG	JB

Samplenum **Container ID** **Products**
L0606661-02 247744 PCT-S AG

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 13:35	BRG	
2	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
3	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
4	ANALYZ	W1	WET	30-JUN-2006 08:13	JB	BRG
5	STORE	WET	A1	30-JUN-2006 09:25	BRG	JB

Samplenum **Container ID** **Products**
L0606661-03 247745 PCT-S AG

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 13:35	BRG	
2	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
3	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
4	ANALYZ	W1	WET	30-JUN-2006 08:13	JB	BRG
5	STORE	WET	A1	30-JUN-2006 09:25	BRG	JB

Samplenum **Container ID** **Products**
L0606661-04 247746 PCT-S AG

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 13:35	BRG	
2	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
3	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
4	ANALYZ	W1	WET	30-JUN-2006 08:13	JB	BRG
5	STORE	WET	A1	30-JUN-2006 09:25	BRG	JB

KEMRON Environmental Services
Internal Chain of Custody Report

00062061

Login: L0606661
Account: 2773
Project: 2773.025
Samples: 9
Due Date: 07-JUL-2006

Samplenum **Container ID** **Products**
L0606661-05 247747 PCT-S AG

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 13:35	BRG	
2	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
3	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
4	ANALYZ	W1	WET	30-JUN-2006 08:13	JB	BRG
5	STORE	WET	A1	30-JUN-2006 09:25	BRG	JB

Samplenum **Container ID** **Products**
L0606661-06 247748 PCT-S AG

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 13:35	BRG	
2	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
3	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
4	ANALYZ	W1	WET	30-JUN-2006 08:13	JB	BRG
5	STORE	WET	A1	30-JUN-2006 09:25	BRG	JB

Samplenum **Container ID** **Products**
L0606661-07 247749 PCT-S AG

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 13:35	BRG	
2	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
3	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
4	ANALYZ	W1	WET	30-JUN-2006 08:13	JB	BRG
5	STORE	WET	A1	30-JUN-2006 09:26	BRG	JB

Samplenum **Container ID** **Products**
L0606661-08 247750 PCT-S AG

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 13:35	BRG	
2	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
3	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
4	ANALYZ	W1	WET	30-JUN-2006 08:13	JB	BRG
5	STORE	WET	A1	30-JUN-2006 09:25	BRG	JB

KEMRON Environmental Services
Internal Chain of Custody Report

00062062

Login: L0606661
Account: 2773
Project: 2773.025
Samples: 9
Due Date: 07-JUL-2006

Samplenum **Container ID** **Products**
L0606661-09 247751 PCT-S AG

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			29-JUN-2006 13:35	BRG	
2	PREP	W1	DIG	29-JUN-2006 14:24	REK	BRG
3	STORE	DIG	W1	30-JUN-2006 06:48	BRG	REK
4	ANALYZ	W1	WET	30-JUN-2006 08:13	JB	BRG
5	STORE	WET	A1	30-JUN-2006 09:26	BRG	JB

SAMPLE RECEIPT FORM

00062063

Date: 6-29-06 Client: Shaw-KS ¹⁰⁰⁵

156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071

Shipped By: () Fed-Ex ☒ UPS () DHL () KEMRON () Client () Other

Opened By: BLG

Logged By: BLG Login # L06 060661

IR Temp Gun: () D ☒

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	1403	2	1266V725019042	8284	
2					
3					
4					
5					
6					

Were all coolers sealed?

☒ Y ☐ N N/A

Were custody seals used on all coolers?

☒ Y ☐ N N/A

Were custody seals intact?

☒ Y ☐ N N/A

Was visible ice present?

☒ Y ☐ N N/A

Were all coolers in the temperature range of 2-6C? (>6C*)

☒ Y ☐ N N/A

Were the samples frozen?*

☐ Y ☒ N N/A

Were COC papers provided?

☒ Y ☐ N N/A

Were all sample containers intact?*

☒ Y ☐ N N/A

Were all sample labels intact?

☒ Y ☐ N N/A

Were all sample labels legible?*

☒ Y ☐ N N/A

Did all sample labels match the COC?*

☐ Y ☒ N N/A

Was the label information complete?*

☒ Y ☐ N N/A

Were the correct containers used?*

☒ Y ☐ N N/A

Were the correct preservatives added to water samples?*

☐ Y ☐ N ☒ N/A

Was the pH tested on preserved water samples?

☐ Y ☐ N ☒ N/A

Were pH ranges acceptable?*

☐ Y ☐ N ☒ N/A

Was sufficient amount of sample provided?*

☒ Y ☐ N N/A

Were bubbles present in VOA samples?*

☐ Y ☐ N ☒ N/A

Were COC's signed and dated?

☒ Y ☐ N N/A

Did samples arrive before hold time expired?*

☒ Y ☐ N N/A

Are discrepancy forms attached?

☒ Y ☐ N N/A

*Requires a discrepancy form

Comments: _____

CRF #1
Revised 8/22/03

CRF#4

Sample Discrepancy Form

Client: Shaw Project: _____Date Received: 6-29-06_____
Cooler temperature > than 6 degrees Celsius

Reason _____

Samples received not on chain of custody_____
Samples on chain of custody not received

✓ Information on sample containers different from chain of custody
C/C 515B03 (0-1), 515B03 (3-4), 515B04 (0-1), 515B05 (0-1),
dup, ms/msd, 5/27 + 5/28 = labels 6/27 + 6/28

Sample containers received broken, leaking or not sealed (List sample ID)_____
pH out (List sample ID, which container, pH prior to adjusting, amount of acid, preservative)_____
Insufficient sample volume_____
Air bubbles present in VOA vials (List sample ID)_____
Hold time expired (List sample ID)**Service Representative:**

Was client notified regarding information: YES

NO

Name of Person contacted: _____

Company: _____

Service Representative: _____

Date: _____

Last Revised 08/22/03